

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time      | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                  |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 0        | 12/27/2010 16:01 | 9.97   | 42.29  | 27.03        | 10.54   | 8.02 | 4.8        | 3.41   | 110.9 |
| 1        | 12/27/2010 16:16 | 9.99   | 42.77  | 27.37        | 10.36   | 8.03 | 3.8        | 3.43   | 109.3 |
| 2        | 12/27/2010 16:31 | 10.01  | 42.85  | 27.43        | 10.45   | 8.02 | 4.6        | 3.45   | 110.3 |
| 3        | 12/27/2010 16:46 | 10.01  | 42.90  | 27.46        | 10.45   | 8.05 | 5.5        | 3.42   | 110.4 |
| 4        | 12/27/2010 17:01 | 10.00  | 42.84  | 27.42        | 10.49   | 8.03 | 6.8        | 3.40   | 110.7 |
| 5        | 12/27/2010 17:16 | 9.97   | 42.78  | 27.37        | 10.48   | 8.05 | 7.8        | 3.37   | 110.5 |
| 6        | 12/27/2010 17:31 | 9.91   | 42.19  | 26.96        | 10.47   | 8.02 | 7.2        | 3.32   | 110.0 |
| 7        | 12/27/2010 17:46 | 9.88   | 42.33  | 27.05        | 10.46   | 8.02 | 7.8        | 3.24   | 109.9 |
| 8        | 12/27/2010 18:01 | 9.76   | 41.51  | 26.47        | 10.48   | 8.02 | 7.5        | 3.17   | 109.4 |
| 9        | 12/27/2010 18:16 | 9.71   | 41.27  | 26.30        | 10.51   | 8.01 | 6.8        | 3.08   | 109.4 |
| 10       | 12/27/2010 18:31 | 9.63   | 41.00  | 26.10        | 10.52   | 7.99 | 5.3        | 3.00   | 109.3 |
| 11       | 12/27/2010 18:46 | 9.63   | 41.07  | 26.16        | 10.46   | 7.99 | 4.9        | 2.89   | 108.7 |
| 12       | 12/27/2010 19:01 | 9.61   | 40.02  | 25.42        | 10.54   | 7.99 | 5.1        | 2.82   | 108.9 |
| 13       | 12/27/2010 19:16 | 9.59   | 40.73  | 25.91        | 10.50   | 7.98 | 5.3        | 2.73   | 108.8 |
| 14       | 12/27/2010 19:31 | 9.56   | 40.48  | 25.73        | 10.48   | 7.98 | 5.8        | 2.66   | 108.3 |
| 15       | 12/27/2010 19:46 | 9.53   | 40.45  | 25.71        | 10.47   | 7.98 | 5.7        | 2.55   | 108.2 |
| 16       | 12/27/2010 20:01 | 9.47   | 40.07  | 25.45        | 10.51   | 7.96 | 5.7        | 2.47   | 108.3 |
| 17       | 12/27/2010 20:16 | 9.44   | 39.95  | 25.36        | 10.52   | 7.98 | 5.8        | 2.40   | 108.3 |
| 18       | 12/27/2010 20:31 | 9.41   | 39.64  | 25.14        | 10.55   | 7.95 | 5.3        | 2.30   | 108.3 |
| 19       | 12/27/2010 20:46 | 9.39   | 39.72  | 25.20        | 10.56   | 7.95 | 5.5        | 2.23   | 108.4 |
| 20       | 12/27/2010 21:01 | 9.37   | 39.57  | 25.09        | 10.59   | 7.96 | 5.4        | 2.16   | 108.6 |
| 21       | 12/27/2010 21:16 | 9.34   | 39.59  | 25.11        | 10.59   | 7.95 | 5.2        | 2.12   | 108.5 |
| 22       | 12/27/2010 21:31 | 9.33   | 39.54  | 25.07        | 10.56   | 7.97 | 4.8        | 2.06   | 108.2 |
| 23       | 12/27/2010 21:46 | 9.32   | 39.51  | 25.05        | 10.62   | 7.97 | 4.3        | 2.03   | 108.7 |
| 24       | 12/27/2010 22:01 | 9.32   | 39.53  | 25.06        | 10.55   | 7.96 | 4.6        | 2.02   | 108.0 |
| 25       | 12/27/2010 22:16 | 9.37   | 39.77  | 25.23        | 10.54   | 7.95 | 4.7        | 2.04   | 108.2 |
| 26       | 12/27/2010 22:31 | 9.37   | 39.75  | 25.22        | 10.54   | 7.97 | 4.6        | 2.03   | 108.2 |
| 27       | 12/27/2010 22:46 | 9.38   | 39.56  | 25.09        | 10.57   | 7.95 | 5.2        | 2.07   | 108.4 |
| 28       | 12/27/2010 23:01 | 9.39   | 39.82  | 25.27        | 10.53   | 7.95 | 5.4        | 2.13   | 108.2 |
| 29       | 12/27/2010 23:16 | 9.40   | 39.53  | 25.06        | 10.55   | 7.96 | 5.3        | 2.17   | 108.2 |
| 30       | 12/27/2010 23:31 | 9.41   | 39.46  | 25.02        | 10.54   | 7.96 | 5.4        | 2.24   | 108.1 |
| 31       | 12/27/2010 23:46 | 9.42   | 39.61  | 25.12        | 10.52   | 7.96 | 5.2        | 2.30   | 108.0 |
| 32       | 12/28/2010 0:01  | 9.44   | 39.77  | 25.23        | 10.50   | 7.95 | 5.5        | 2.37   | 107.9 |
| 33       | 12/28/2010 0:16  | 9.46   | 39.77  | 25.24        | 10.51   | 7.97 | 5.7        | 2.45   | 108.1 |
| 34       | 12/28/2010 0:31  | 9.51   | 39.42  | 24.99        | 10.51   | 7.95 | 5.5        | 2.52   | 108.0 |
| 35       | 12/28/2010 0:46  | 9.56   | 39.62  | 25.13        | 10.49   | 7.96 | 5.6        | 2.59   | 108.0 |
| 36       | 12/28/2010 1:01  | 9.62   | 40.86  | 26.00        | 10.45   | 7.97 | 6.5        | 2.68   | 108.4 |
| 37       | 12/28/2010 1:16  | 9.62   | 40.68  | 25.88        | 10.49   | 7.98 | 7.1        | 2.76   | 108.7 |
| 38       | 12/28/2010 1:31  | 9.66   | 40.87  | 26.01        | 10.47   | 7.98 | 7.7        | 2.84   | 108.7 |
| 39       | 12/28/2010 1:46  | 9.71   | 41.09  | 26.17        | 10.50   | 7.99 | 6.6        | 2.93   | 109.3 |
| 40       | 12/28/2010 2:01  | 9.81   | 41.85  | 26.71        | 10.44   | 8.00 | 9.0        | 3.03   | 109.3 |
| 41       | 12/28/2010 2:16  | 9.88   | 42.04  | 26.85        | 10.45   | 8.01 | 9.6        | 3.12   | 109.7 |
| 42       | 12/28/2010 2:31  | 9.94   | 42.44  | 27.13        | 10.44   | 8.01 | 12.3       | 3.21   | 109.9 |
| 43       | 12/28/2010 2:46  | 10.01  | 42.71  | 27.33        | 10.46   | 8.04 | 13.9       | 3.30   | 110.4 |
| 44       | 12/28/2010 3:01  | 10.09  | 43.09  | 27.61        | 10.47   | 8.04 | 16.9       | 3.41   | 110.9 |
| 45       | 12/28/2010 3:16  | 10.18  | 43.50  | 27.89        | 10.49   | 8.04 | 16.5       | 3.51   | 111.5 |
| 46       | 12/28/2010 3:31  | 10.31  | 44.00  | 28.26        | 10.51   | 8.05 | 16.7       | 3.60   | 112.3 |
| 47       | 12/28/2010 3:46  | 10.42  | 44.47  | 28.60        | 10.50   | 8.06 | 18.8       | 3.70   | 112.7 |
| 48       | 12/28/2010 4:01  | 10.50  | 44.81  | 28.85        | 10.51   | 8.06 | 17.9       | 3.78   | 113.2 |
| 49       | 12/28/2010 4:16  | 10.55  | 45.08  | 29.04        | 10.52   | 8.09 | 16.9       | 3.86   | 113.6 |
| 50       | 12/28/2010 4:31  | 10.68  | 45.66  | 29.46        | 10.51   | 8.09 | 15.7       | 3.93   | 114.1 |
| 51       | 12/28/2010 4:46  | 10.77  | 46.04  | 29.74        | 10.51   | 8.10 | 13.9       | 3.98   | 114.5 |
| 52       | 12/28/2010 5:01  | 10.83  | 46.29  | 29.92        | 10.49   | 8.09 | 13.1       | 4.02   | 114.6 |
| 53       | 12/28/2010 5:16  | 10.89  | 46.52  | 30.09        | 10.43   | 8.11 | 9.9        | 4.05   | 114.2 |

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## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time      | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                  |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 54       | 12/28/2010 5:31  | 10.91  | 46.54  | 30.10        | 10.39   | 8.11 | 7.0        | 4.05   | 113.8 |
| 55       | 12/28/2010 5:46  | 10.88  | 46.47  | 30.05        | 10.46   | 8.11 | 11.2       | 4.04   | 114.4 |
| 56       | 12/28/2010 6:01  | 10.90  | 46.54  | 30.10        | 10.46   | 8.11 | 11.7       | 4.01   | 114.5 |
| 57       | 12/28/2010 6:16  | 10.57  | 44.89  | 28.91        | 10.49   | 8.07 | 9.7        | 3.95   | 113.2 |
| 58       | 12/28/2010 6:31  | 10.33  | 44.13  | 28.35        | 10.50   | 8.05 | 7.9        | 3.88   | 112.3 |
| 59       | 12/28/2010 6:46  | 10.30  | 43.90  | 28.18        | 10.46   | 8.04 | 8.5        | 3.79   | 111.7 |
| 60       | 12/28/2010 7:01  | 10.21  | 43.40  | 27.83        | 10.49   | 8.03 | 11.7       | 3.69   | 111.5 |
| 61       | 12/28/2010 7:16  | 10.07  | 42.69  | 27.32        | 10.52   | 8.03 | 11.7       | 3.59   | 111.2 |
| 62       | 12/28/2010 7:31  | 9.94   | 42.30  | 27.04        | 10.53   | 8.02 | 9.6        | 3.50   | 110.7 |
| 63       | 12/28/2010 7:46  | 9.95   | 42.40  | 27.11        | 10.51   | 8.00 | 8.2        | 3.39   | 110.6 |
| 64       | 12/28/2010 8:01  | 9.92   | 42.25  | 27.00        | 10.52   | 8.02 | 6.0        | 3.30   | 110.5 |
| 65       | 12/28/2010 8:16  | 9.81   | 41.59  | 26.53        | 10.54   | 8.00 | 6.0        | 3.18   | 110.2 |
| 66       | 12/28/2010 8:31  | 9.77   | 41.27  | 26.30        | 10.56   | 7.98 | 5.7        | 3.10   | 110.1 |
| 67       | 12/28/2010 8:46  | 9.80   | 41.42  | 26.41        | 10.55   | 8.00 | 5.2        | 3.00   | 110.2 |
| 68       | 12/28/2010 9:01  | 9.79   | 41.30  | 26.32        | 10.56   | 8.00 | 6.0        | 2.90   | 110.2 |
| 69       | 12/28/2010 9:16  | 9.71   | 40.52  | 25.77        | 10.61   | 7.99 | 8.0        | 2.80   | 110.1 |
| 70       | 12/28/2010 9:31  | 9.73   | 40.83  | 25.99        | 10.58   | 7.99 | 6.2        | 2.71   | 110.0 |
| 71       | 12/28/2010 9:46  | 9.63   | 40.12  | 25.49        | 10.62   | 7.97 | 7.0        | 2.63   | 109.8 |
| 72       | 12/28/2010 10:01 | 9.68   | 40.41  | 25.69        | 10.60   | 7.98 | 8.1        | 2.53   | 109.8 |
| 73       | 12/28/2010 10:16 | 9.60   | 39.95  | 25.37        | 10.61   | 7.97 | 6.7        | 2.45   | 109.6 |
| 74       | 12/28/2010 10:31 | 9.60   | 39.91  | 25.34        | 10.62   | 7.96 | 8.4        | 2.37   | 109.6 |
| 75       | 12/28/2010 10:46 | 9.62   | 40.02  | 25.42        | 10.62   | 7.97 | 8.9        | 2.30   | 109.7 |
| 76       | 12/28/2010 11:01 | 9.58   | 39.84  | 25.29        | 10.63   | 7.96 | 7.2        | 2.23   | 109.6 |
| 77       | 12/28/2010 11:16 | 9.55   | 39.68  | 25.17        | 10.62   | 7.96 | 6.0        | 2.16   | 109.4 |
| 78       | 12/28/2010 11:31 | 9.54   | 39.59  | 25.11        | 10.61   | 7.96 | 5.2        | 2.13   | 109.2 |
| 79       | 12/28/2010 11:46 | 9.56   | 39.80  | 25.26        | 10.52   | 7.96 | 4.6        | 2.10   | 108.5 |
| 80       | 12/28/2010 12:01 | 9.57   | 39.67  | 25.17        | 10.67   | 7.96 | 5.6        | 2.10   | 110.0 |
| 81       | 12/28/2010 12:16 | 9.61   | 39.82  | 25.28        | 10.62   | 7.96 | 5.7        | 2.12   | 109.7 |
| 82       | 12/28/2010 12:31 | 9.61   | 39.86  | 25.31        | 10.63   | 7.94 | 5.4        | 2.14   | 109.7 |
| 83       | 12/28/2010 12:46 | 9.63   | 39.45  | 25.02        | 10.58   | 7.95 | 6.2        | 2.19   | 109.1 |
| 84       | 12/28/2010 13:01 | 9.62   | 39.72  | 25.21        | 10.59   | 7.96 | 6.0        | 2.24   | 109.3 |
| 85       | 12/28/2010 13:16 | 9.63   | 39.48  | 25.04        | 10.58   | 7.96 | 7.0        | 2.30   | 109.1 |
| 86       | 12/28/2010 13:31 | 9.64   | 39.88  | 25.32        | 10.55   | 7.96 | 6.8        | 2.36   | 109.0 |
| 87       | 12/28/2010 13:46 | 9.64   | 39.90  | 25.34        | 10.54   | 7.96 | 6.3        | 2.42   | 108.9 |
| 88       | 12/28/2010 14:01 | 9.72   | 40.24  | 25.57        | 10.50   | 7.96 | 7.6        | 2.48   | 108.8 |
| 89       | 12/28/2010 14:16 | 9.77   | 40.61  | 25.84        | 10.48   | 7.96 | 7.1        | 2.54   | 108.9 |
| 90       | 12/28/2010 14:31 | 9.81   | 40.53  | 25.79        | 10.51   | 7.98 | 6.7        | 2.61   | 109.3 |
| 91       | 12/28/2010 14:46 | 9.82   | 40.76  | 25.95        | 10.55   | 7.99 | 6.8        | 2.67   | 109.9 |
| 92       | 12/28/2010 15:01 | 9.82   | 40.85  | 26.01        | 10.56   | 7.99 | 6.8        | 2.73   | 110.0 |
| 93       | 12/28/2010 15:16 | 9.84   | 40.98  | 26.10        | 10.56   | 7.99 | 6.7        | 2.79   | 110.1 |
| 94       | 12/28/2010 15:31 | 9.87   | 41.21  | 26.27        | 10.54   | 8.00 | 6.2        | 2.85   | 110.2 |
| 95       | 12/28/2010 15:46 | 9.93   | 41.54  | 26.50        | 10.54   | 8.00 | 6.6        | 2.92   | 110.4 |
| 96       | 12/28/2010 16:01 | 9.96   | 41.84  | 26.72        | 10.50   | 8.01 | 7.0        | 2.95   | 110.2 |
| 97       | 12/28/2010 16:16 | 10.01  | 41.95  | 26.80        | 10.50   | 8.01 | 6.3        | 3.02   | 110.4 |
| 98       | 12/28/2010 16:31 | 10.04  | 42.09  | 26.89        | 10.50   | 8.02 | 6.5        | 3.07   | 110.5 |
| 99       | 12/28/2010 16:46 | 10.07  | 42.21  | 26.98        | 10.48   | 8.02 | 6.9        | 3.11   | 110.5 |
| 100      | 12/28/2010 17:01 | 10.14  | 42.44  | 27.14        | 10.46   | 8.02 | 7.3        | 3.20   | 110.6 |
| 101      | 12/28/2010 17:16 | 10.20  | 42.73  | 27.35        | 10.43   | 8.03 | 7.7        | 3.22   | 110.5 |
| 102      | 12/28/2010 17:31 | 10.24  | 43.01  | 27.55        | 10.45   | 8.04 | 7.7        | 3.26   | 111.0 |
| 103      | 12/28/2010 17:46 | 10.27  | 43.10  | 27.62        | 10.44   | 8.04 | 7.1        | 3.29   | 111.0 |
| 104      | 12/28/2010 18:01 | 10.28  | 43.23  | 27.71        | 10.35   | 8.04 | 4.8        | 3.29   | 110.1 |
| 105      | 12/28/2010 18:16 | 10.27  | 43.11  | 27.62        | 10.35   | 8.04 | 5.2        | 3.30   | 110.0 |
| 106      | 12/28/2010 18:31 | 10.19  | 42.43  | 27.14        | 10.47   | 8.03 | 10.1       | 3.28   | 110.7 |
| 107      | 12/28/2010 18:46 | 10.17  | 42.23  | 27.00        | 10.48   | 8.02 | 11.0       | 3.25   | 110.7 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time      | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                  |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 108      | 12/28/2010 19:01 | 10.16  | 42.39  | 27.11        | 10.48   | 8.02 | 14.1       | 3.20   | 110.7 |
| 109      | 12/28/2010 19:16 | 10.15  | 42.26  | 27.02        | 10.49   | 8.00 | 11.1       | 3.14   | 110.8 |
| 110      | 12/28/2010 19:31 | 10.08  | 41.59  | 26.54        | 10.50   | 8.00 | 14.6       | 3.08   | 110.4 |
| 111      | 12/28/2010 19:46 | 10.09  | 41.98  | 26.82        | 10.45   | 8.02 | 15.3       | 3.02   | 110.2 |
| 112      | 12/28/2010 20:01 | 10.01  | 41.61  | 26.55        | 10.46   | 7.99 | 20.1       | 2.95   | 109.9 |
| 113      | 12/28/2010 20:16 | 9.99   | 41.50  | 26.48        | 10.46   | 8.00 | 17.7       | 2.88   | 109.8 |
| 114      | 12/28/2010 20:31 | 9.97   | 41.38  | 26.39        | 10.48   | 8.00 | 17.3       | 2.82   | 109.9 |
| 115      | 12/28/2010 20:46 | 9.95   | 41.03  | 26.14        | 10.51   | 7.98 | 18.4       | 2.75   | 109.9 |
| 116      | 12/28/2010 21:01 | 9.93   | 40.82  | 26.00        | 10.51   | 7.99 | 17.2       | 2.69   | 109.7 |
| 117      | 12/28/2010 21:16 | 9.93   | 40.69  | 25.91        | 10.50   | 7.98 | 18.4       | 2.66   | 109.6 |
| 118      | 12/28/2010 21:31 | 9.95   | 40.64  | 25.87        | 10.50   | 7.96 | 19.8       | 2.61   | 109.6 |
| 119      | 12/28/2010 21:46 | 9.92   | 40.65  | 25.87        | 10.53   | 7.98 | 18.6       | 2.55   | 109.9 |
| 120      | 12/28/2010 22:01 | 9.92   | 40.77  | 25.96        | 10.51   | 7.98 | 16.5       | 2.52   | 109.7 |
| 121      | 12/28/2010 22:16 | 9.95   | 40.79  | 25.97        | 10.47   | 7.98 | 17.8       | 2.49   | 109.3 |
| 122      | 12/28/2010 22:31 | 9.97   | 40.75  | 25.95        | 10.46   | 7.98 | 19.2       | 2.45   | 109.3 |
| 123      | 12/28/2010 22:46 | 9.97   | 40.71  | 25.92        | 10.42   | 7.97 | 18.9       | 2.41   | 108.9 |
| 124      | 12/28/2010 23:01 | 10.01  | 40.71  | 25.92        | 10.39   | 7.98 | 17.9       | 2.39   | 108.7 |
| 125      | 12/28/2010 23:16 | 10.03  | 40.67  | 25.89        | 10.39   | 7.97 | 17.0       | 2.37   | 108.7 |
| 126      | 12/28/2010 23:31 | 9.97   | 40.63  | 25.86        | 10.40   | 7.97 | 16.3       | 2.38   | 108.6 |
| 127      | 12/28/2010 23:46 | 9.94   | 40.57  | 25.82        | 10.34   | 7.97 | 14.3       | 2.38   | 107.9 |
| 128      | 12/29/2010 0:01  | 9.92   | 40.54  | 25.79        | 10.45   | 7.96 | 16.6       | 2.41   | 108.9 |
| 129      | 12/29/2010 0:16  | 9.95   | 40.55  | 25.81        | 10.48   | 7.98 | 16.8       | 2.44   | 109.4 |
| 130      | 12/29/2010 0:31  | 9.91   | 40.49  | 25.76        | 10.52   | 7.98 | 15.9       | 2.49   | 109.7 |
| 131      | 12/29/2010 0:46  | 9.90   | 40.52  | 25.78        | 10.54   | 7.97 | 14.5       | 2.54   | 109.9 |
| 132      | 12/29/2010 1:01  | 9.89   | 40.35  | 25.66        | 10.56   | 7.97 | 14.2       | 2.60   | 110.0 |
| 133      | 12/29/2010 1:16  | 9.88   | 40.14  | 25.51        | 10.57   | 7.97 | 15.8       | 2.68   | 109.9 |
| 134      | 12/29/2010 1:31  | 9.87   | 40.24  | 25.58        | 10.57   | 7.97 | 16.7       | 2.74   | 110.0 |
| 135      | 12/29/2010 1:46  | 9.89   | 40.41  | 25.70        | 10.53   | 7.97 | 15.7       | 2.82   | 109.7 |
| 136      | 12/29/2010 2:01  | 9.92   | 40.51  | 25.78        | 10.50   | 7.98 | 16.4       | 2.91   | 109.5 |
| 137      | 12/29/2010 2:16  | 9.97   | 40.45  | 25.74        | 10.51   | 7.98 | 18.7       | 2.98   | 109.7 |
| 138      | 12/29/2010 2:31  | 10.03  | 40.53  | 25.80        | 10.52   | 7.98 | 16.7       | 3.06   | 109.9 |
| 139      | 12/29/2010 2:46  | 10.05  | 40.76  | 25.96        | 10.52   | 8.00 | 16.1       | 3.16   | 110.1 |
| 140      | 12/29/2010 3:01  | 10.06  | 40.70  | 25.91        | 10.56   | 8.00 | 14.0       | 3.26   | 110.6 |
| 141      | 12/29/2010 3:16  | 10.12  | 41.28  | 26.32        | 10.53   | 8.02 | 14.2       | 3.34   | 110.6 |
| 142      | 12/29/2010 3:31  | 10.21  | 42.07  | 26.89        | 10.46   | 8.03 | 15.3       | 3.43   | 110.6 |
| 143      | 12/29/2010 3:46  | 10.24  | 42.54  | 27.22        | 10.44   | 8.03 | 15.4       | 3.53   | 110.7 |
| 144      | 12/29/2010 4:01  | 10.26  | 42.69  | 27.33        | 10.45   | 8.02 | 11.7       | 3.62   | 110.9 |
| 145      | 12/29/2010 4:16  | 10.39  | 43.41  | 27.84        | 10.41   | 8.03 | 17.9       | 3.70   | 111.2 |
| 146      | 12/29/2010 4:31  | 10.44  | 43.66  | 28.03        | 10.37   | 8.05 | 16.1       | 3.77   | 111.0 |
| 147      | 12/29/2010 4:46  | 10.58  | 44.42  | 28.57        | 10.35   | 8.06 | 18.0       | 3.85   | 111.5 |
| 148      | 12/29/2010 5:01  | 10.64  | 44.83  | 28.86        | 10.36   | 8.06 | 12.2       | 3.90   | 111.9 |
| 149      | 12/29/2010 5:16  | 10.67  | 45.00  | 28.99        | 10.35   | 8.07 | 11.0       | 3.97   | 112.0 |
| 150      | 12/29/2010 5:31  | 10.69  | 45.15  | 29.10        | 10.35   | 8.08 | 9.3        | 4.01   | 112.1 |
| 151      | 12/29/2010 5:46  | 10.68  | 45.16  | 29.10        | 10.26   | 8.08 | 5.2        | 4.05   | 111.1 |
| 152      | 12/29/2010 6:01  | 10.70  | 45.21  | 29.14        | 10.28   | 8.06 | 5.7        | 4.08   | 111.4 |
| 153      | 12/29/2010 6:16  | 10.68  | 45.13  | 29.08        | 10.35   | 8.08 | 7.4        | 4.06   | 112.0 |
| 154      | 12/29/2010 6:31  | 10.66  | 45.06  | 29.03        | 10.36   | 8.08 | 10.6       | 4.04   | 112.1 |
| 155      | 12/29/2010 6:46  | 10.65  | 44.93  | 28.94        | 10.35   | 8.07 | 10.9       | 4.02   | 111.9 |
| 156      | 12/29/2010 7:01  | 10.40  | 44.45  | 28.59        | 10.43   | 8.07 | 29.8       | 3.96   | 111.9 |
| 157      | 12/29/2010 7:16  | 10.39  | 44.64  | 28.72        | 10.44   | 8.07 | 35.0       | 3.86   | 112.0 |
| 158      | 12/29/2010 7:31  | 10.28  | 44.16  | 28.37        | 10.48   | 8.06 | 26.4       | 3.80   | 112.0 |
| 159      | 12/29/2010 7:46  | 10.20  | 43.60  | 27.97        | 10.52   | 8.05 | 25.9       | 3.71   | 111.9 |
| 160      | 12/29/2010 8:01  | 10.12  | 43.42  | 27.84        | 10.53   | 8.05 | 24.1       | 3.60   | 111.7 |
| 161      | 12/29/2010 8:16  | 9.99   | 42.64  | 27.28        | 10.58   | 8.04 | 26.1       | 3.52   | 111.5 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time      | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                  |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 162      | 12/29/2010 8:31  | 9.85   | 42.03  | 26.84        | 10.62   | 8.02 | 33.8       | 3.43   | 111.3 |
| 163      | 12/29/2010 8:46  | 9.77   | 42.24  | 26.99        | 10.59   | 8.02 | 43.3       | 3.35   | 110.9 |
| 164      | 12/29/2010 9:01  | 9.71   | 42.14  | 26.91        | 10.60   | 8.01 | 54.9       | 3.25   | 110.8 |
| 165      | 12/29/2010 9:16  | 9.64   | 41.95  | 26.77        | 10.60   | 8.01 | 54.0       | 3.16   | 110.5 |
| 166      | 12/29/2010 9:31  | 9.61   | 42.02  | 26.82        | 10.60   | 8.01 | 62.4       | 3.06   | 110.5 |
| 167      | 12/29/2010 9:46  | 9.56   | 41.49  | 26.44        | 10.66   | 8.00 | 51.8       | 2.96   | 110.8 |
| 168      | 12/29/2010 10:01 | 9.49   | 40.89  | 26.02        | 10.71   | 7.99 | 54.0       | 2.87   | 110.8 |
| 169      | 12/29/2010 10:16 | 9.38   | 40.55  | 25.78        | 10.77   | 7.98 | 59.5       | 2.76   | 111.0 |
| 170      | 12/29/2010 10:31 | 9.26   | 40.49  | 25.73        | 10.82   | 7.98 | 62.3       | 2.66   | 111.1 |
| 171      | 12/29/2010 10:46 | 9.19   | 39.98  | 25.37        | 10.88   | 7.97 | 73.0       | 2.54   | 111.3 |
| 172      | 12/29/2010 11:01 | 9.13   | 39.81  | 25.25        | 10.93   | 7.97 | 77.1       | 2.46   | 111.6 |
| 173      | 12/29/2010 11:16 | 9.10   | 39.61  | 25.10        | 10.97   | 7.96 | 90.8       | 2.38   | 111.8 |
| 174      | 12/29/2010 11:31 | 9.04   | 39.47  | 25.00        | 11.00   | 7.96 | 93.1       | 2.25   | 111.9 |
| 175      | 12/29/2010 11:46 | 9.05   | 38.73  | 24.49        | 11.03   | 7.96 | 97.2       | 2.13   | 111.9 |
| 176      | 12/29/2010 12:01 | 9.07   | 38.85  | 24.57        | 11.04   | 7.96 | 93.6       | 2.06   | 112.0 |
| 177      | 12/29/2010 12:16 | 9.07   | 38.45  | 24.29        | 11.02   | 7.95 | 99.5       | 1.98   | 111.7 |
| 178      | 12/29/2010 12:31 | 9.03   | 38.36  | 24.23        | 11.02   | 7.95 | 95.4       | 1.94   | 111.5 |
| 179      | 12/29/2010 12:46 | 9.02   | 38.31  | 24.20        | 10.91   | 7.94 | 67.2       | 1.87   | 110.4 |
| 180      | 12/29/2010 13:01 | 9.01   | 38.26  | 24.16        | 10.87   | 7.94 | 49.8       | 1.86   | 109.9 |
| 181      | 12/29/2010 13:16 | 8.96   | 37.83  | 23.86        | 10.98   | 7.94 | 51.9       | 1.85   | 110.7 |
| 182      | 12/29/2010 13:31 | 8.93   | 37.41  | 23.57        | 10.96   | 7.94 | 49.1       | 1.86   | 110.2 |
| 183      | 12/29/2010 13:46 | 8.91   | 37.27  | 23.47        | 11.01   | 7.93 | 55.7       | 1.86   | 110.6 |
| 184      | 12/29/2010 14:01 | 8.96   | 37.66  | 23.74        | 11.02   | 7.93 | 58.0       | 1.93   | 111.0 |
| 185      | 12/29/2010 14:16 | 8.96   | 37.16  | 23.40        | 11.05   | 7.91 | 61.1       | 2.00   | 111.1 |
| 186      | 12/29/2010 14:31 | 9.00   | 37.77  | 23.82        | 10.99   | 7.93 | 54.8       | 2.04   | 110.9 |
| 187      | 12/29/2010 14:46 | 8.99   | 37.10  | 23.36        | 11.01   | 7.91 | 58.8       | 2.12   | 110.7 |
| 188      | 12/29/2010 15:01 | 9.03   | 37.71  | 23.78        | 10.97   | 7.92 | 67.3       | 2.21   | 110.7 |
| 189      | 12/29/2010 15:16 | 9.05   | 37.25  | 23.46        | 10.96   | 7.91 | 45.6       | 2.26   | 110.5 |
| 190      | 12/29/2010 15:31 | 9.08   | 38.22  | 24.14        | 10.88   | 7.92 | 52.9       | 2.33   | 110.2 |
| 191      | 12/29/2010 15:46 | 9.10   | 37.66  | 23.75        | 10.92   | 7.92 | 46.4       | 2.44   | 110.4 |
| 192      | 12/29/2010 16:01 | 9.18   | 38.06  | 24.03        | 10.87   | 7.94 | 42.0       | 2.46   | 110.2 |
| 193      | 12/29/2010 16:16 | 9.25   | 38.47  | 24.32        | 10.80   | 7.93 | 37.5       | 2.53   | 109.9 |
| 194      | 12/29/2010 16:31 | 9.34   | 39.55  | 25.07        | 10.73   | 7.96 | 33.2       | 2.61   | 110.0 |
| 195      | 12/29/2010 16:46 | 9.35   | 39.05  | 24.73        | 10.77   | 7.94 | 28.9       | 2.65   | 110.2 |
| 196      | 12/29/2010 17:01 | 9.36   | 39.36  | 24.95        | 10.74   | 7.96 | 27.2       | 2.71   | 110.0 |
| 197      | 12/29/2010 17:16 | 9.37   | 39.27  | 24.88        | 10.77   | 7.96 | 28.1       | 2.78   | 110.3 |
| 198      | 12/29/2010 17:31 | 9.39   | 39.35  | 24.94        | 10.72   | 7.95 | 34.7       | 2.83   | 109.8 |
| 199      | 12/29/2010 17:46 | 9.43   | 39.84  | 25.28        | 10.64   | 7.97 | 23.7       | 2.86   | 109.4 |
| 200      | 12/29/2010 18:01 | 9.44   | 39.79  | 25.25        | 10.70   | 7.97 | 23.2       | 2.93   | 110.0 |
| 201      | 12/29/2010 18:16 | 9.48   | 39.91  | 25.33        | 10.65   | 7.97 | 20.9       | 2.95   | 109.6 |
| 202      | 12/29/2010 18:31 | 9.50   | 39.98  | 25.38        | 10.61   | 7.96 | 16.1       | 2.99   | 109.4 |
| 203      | 12/29/2010 18:46 | 9.52   | 40.27  | 25.59        | 10.57   | 7.97 | 14.8       | 3.02   | 109.1 |
| 204      | 12/29/2010 19:01 | 9.51   | 40.27  | 25.58        | 10.59   | 7.98 | 12.5       | 3.05   | 109.3 |
| 205      | 12/29/2010 19:16 | 9.52   | 40.44  | 25.71        | 10.51   | 7.96 | 14.3       | 3.05   | 108.6 |
| 206      | 12/29/2010 19:31 | 9.54   | 40.61  | 25.83        | 10.55   | 7.96 | 17.2       | 3.05   | 109.1 |
| 207      | 12/29/2010 19:46 | 9.54   | 40.62  | 25.83        | 10.60   | 7.97 | 19.5       | 3.05   | 109.6 |
| 208      | 12/29/2010 20:01 | 9.47   | 40.48  | 25.73        | 10.59   | 7.97 | 28.3       | 3.00   | 109.3 |
| 209      | 12/29/2010 20:16 | 9.44   | 40.33  | 25.62        | 10.61   | 7.96 | 29.3       | 2.97   | 109.4 |
| 210      | 12/29/2010 20:31 | 9.40   | 40.04  | 25.42        | 10.65   | 7.97 | 29.0       | 2.96   | 109.6 |
| 211      | 12/29/2010 20:46 | 9.40   | 39.98  | 25.38        | 10.65   | 7.97 | 27.6       | 2.89   | 109.5 |
| 212      | 12/29/2010 21:01 | 9.24   | 39.24  | 24.85        | 10.71   | 7.94 | 43.5       | 2.82   | 109.4 |
| 213      | 12/29/2010 21:16 | 9.09   | 38.66  | 24.44        | 10.79   | 7.95 | 59.0       | 2.82   | 109.5 |
| 214      | 12/29/2010 21:31 | 9.10   | 38.36  | 24.24        | 10.79   | 7.94 | 39.0       | 2.77   | 109.3 |
| 215      | 12/29/2010 21:46 | 9.09   | 38.26  | 24.17        | 10.81   | 7.95 | 39.5       | 2.69   | 109.5 |



sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time      | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                  |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 216      | 12/29/2010 22:01 | 9.04   | 37.83  | 23.87        | 10.81   | 7.93 | 37.7       | 2.64            | 109.2 |
| 217      | 12/29/2010 22:16 | 9.02   | 37.98  | 23.97        | 10.82   | 7.93 | 41.5       | 2.60            | 109.3 |
| 218      | 12/29/2010 22:31 | 8.92   | 37.17  | 23.40        | 10.89   | 7.93 | 35.4       | 2.53            | 109.3 |
| 219      | 12/29/2010 22:46 | 8.78   | 35.92  | 22.53        | 10.96   | 7.94 | 32.7       | 2.46            | 109.1 |
| 220      | 12/29/2010 23:01 | 8.66   | 35.72  | 22.39        | 11.00   | 7.93 | 32.6       | 2.44            | 109.1 |
| 221      | 12/29/2010 23:16 | 8.65   | 35.59  | 22.30        | 10.97   | 7.93 | 29.2       | 2.39            | 108.6 |
| 222      | 12/29/2010 23:31 | 8.64   | 35.45  | 22.20        | 10.97   | 7.92 | 27.9       | 2.35            | 108.6 |
| 223      | 12/29/2010 23:46 | 8.59   | 35.23  | 22.05        | 10.99   | 7.92 | 24.8       | 2.33            | 108.6 |
| 224      | 12/30/2010 0:01  | 8.56   | 34.21  | 21.35        | 11.04   | 7.91 | 26.9       | 2.33            | 108.5 |
| 225      | 12/30/2010 0:16  | 8.75   | 35.79  | 22.44        | 10.92   | 7.93 | 26.1       | 2.31            | 108.5 |
| 226      | 12/30/2010 0:31  | 8.71   | 35.33  | 22.12        | 10.98   | 7.93 | 27.6       | 2.32            | 108.9 |
| 227      | 12/30/2010 0:46  | 8.57   | 34.89  | 21.81        | 11.06   | 7.92 | 28.6       | 2.35            | 109.1 |
| 228      | 12/30/2010 1:01  | 8.85   | 36.39  | 22.86        | 10.88   | 7.92 | 24.5       | 2.36            | 108.6 |
| 229      | 12/30/2010 1:16  | 8.73   | 35.64  | 22.34        | 10.98   | 7.91 | 25.9       | 2.40            | 109.0 |
| 230      | 12/30/2010 1:31  | 8.98   | 37.63  | 23.72        | 10.84   | 7.92 | 44.7       | 2.46            | 109.2 |
| 231      | 12/30/2010 1:46  | 9.11   | 38.37  | 24.24        | 10.76   | 7.94 | 38.4       | 2.51            | 109.1 |
| 232      | 12/30/2010 2:01  | 9.11   | 38.11  | 24.06        | 10.79   | 7.94 | 32.2       | 2.56            | 109.3 |
| 233      | 12/30/2010 2:16  | 9.15   | 38.02  | 24.00        | 10.80   | 7.94 | 27.3       | 2.63            | 109.4 |
| 234      | 12/30/2010 2:31  | 9.19   | 38.05  | 24.02        | 10.79   | 7.94 | 27.5       | 2.70            | 109.4 |
| 235      | 12/30/2010 2:46  | 9.25   | 38.19  | 24.13        | 10.79   | 7.95 | 38.1       | 2.76            | 109.7 |
| 236      | 12/30/2010 3:01  | 9.21   | 38.22  | 24.15        | 10.84   | 7.95 | 41.4       | 2.85            | 110.1 |
| 237      | 12/30/2010 3:16  | 9.25   | 38.66  | 24.45        | 10.84   | 7.95 | 35.3       | 2.94            | 110.4 |
| 238      | 12/30/2010 3:31  | 9.44   | 39.48  | 25.03        | 10.80   | 7.98 | 45.7       | 3.00            | 110.9 |
| 239      | 12/30/2010 3:46  | 9.32   | 39.03  | 24.71        | 10.84   | 7.97 | 58.2       | 3.09            | 110.7 |
| 240      | 12/30/2010 4:01  | 9.31   | 38.51  | 24.35        | 10.83   | 7.96 | 31.1       | 3.17            | 110.4 |
| 241      | 12/30/2010 4:16  | 9.53   | 39.01  | 24.71        | 10.84   | 7.98 | 35.2       | 3.26            | 111.3 |
| 242      | 12/30/2010 4:31  | 9.68   | 39.47  | 25.04        | 10.87   | 7.98 | 42.6       | 3.37            | 112.2 |
| 243      | 12/30/2010 4:46  | 9.89   | 41.11  | 26.19        | 10.89   | 8.01 | 41.1       | 3.47            | 113.8 |
| 244      | 12/30/2010 5:01  | 9.93   | 41.24  | 26.29        | 10.93   | 8.02 | 54.2       | 3.54            | 114.3 |
| 245      | 12/30/2010 5:16  | 9.99   | 41.81  | 26.69        | 10.96   | 8.03 | 41.0       | 3.65            | 115.1 |
| 246      | 12/30/2010 5:31  | 10.10  | 42.58  | 27.24        | 10.98   | 8.05 | 33.3       | 3.74            | 116.0 |
| 247      | 12/30/2010 5:46  | 10.17  | 43.14  | 27.64        | 10.97   | 8.05 | 28.5       | 3.81            | 116.4 |
| 248      | 12/30/2010 6:01  | 10.15  | 43.17  | 27.66        | 11.03   | 8.05 | 24.9       | 3.89            | 117.0 |
| 249      | 12/30/2010 6:16  | 10.18  | 43.37  | 27.80        | 10.99   | 8.05 | 23.3       | 3.95            | 116.7 |
| 250      | 12/30/2010 6:31  | 10.22  | 43.52  | 27.91        | 10.94   | 8.05 | 14.5       | 3.99            | 116.4 |
| 251      | 12/30/2010 6:46  | 10.15  | 43.01  | 27.55        | 10.85   | 8.05 | 10.4       | 4.00            | 115.0 |
| 252      | 12/30/2010 7:01  | 10.20  | 43.45  | 27.86        | 10.91   | 8.04 | 19.4       | 4.02            | 116.0 |
| 253      | 12/30/2010 7:16  | 10.23  | 43.66  | 28.01        | 10.93   | 8.05 | 17.6       | 4.02            | 116.4 |
| 254      | 12/30/2010 7:31  | 10.21  | 43.58  | 27.96        | 10.93   | 8.05 | 18.7       | 3.98            | 116.4 |
| 255      | 12/30/2010 7:46  | 10.07  | 41.57  | 26.53        | 10.94   | 8.04 | 32.5       | 3.93            | 115.0 |
| 256      | 12/30/2010 8:01  | 9.71   | 40.21  | 25.56        | 10.90   | 8.01 | 35.2       | 3.88            | 112.9 |
| 257      | 12/30/2010 8:16  | 9.88   | 40.93  | 26.07        | 10.91   | 8.01 | 49.6       | 3.80            | 113.9 |
| 258      | 12/30/2010 8:31  | 9.99   | 41.80  | 26.69        | 10.90   | 8.03 | 46.3       | 3.73            | 114.5 |
| 259      | 12/30/2010 8:46  | 9.87   | 41.40  | 26.40        | 10.91   | 8.03 | 49.6       | 3.63            | 114.1 |
| 260      | 12/30/2010 9:01  | 9.85   | 41.07  | 26.16        | 10.97   | 8.02 | 36.4       | 3.55            | 114.5 |
| 261      | 12/30/2010 9:16  | 9.79   | 40.79  | 25.97        | 10.95   | 8.02 | 34.5       | 3.44            | 114.0 |
| 262      | 12/30/2010 9:31  | 9.79   | 40.75  | 25.93        | 10.91   | 8.02 | 31.5       | 3.36            | 113.5 |
| 263      | 12/30/2010 9:46  | 9.78   | 40.72  | 25.91        | 10.90   | 8.02 | 36.0       | 3.26            | 113.4 |
| 264      | 12/30/2010 10:01 | 9.66   | 40.13  | 25.50        | 10.91   | 8.01 | 31.6       | 3.15            | 112.9 |
| 265      | 12/30/2010 10:16 | 9.57   | 39.53  | 25.07        | 10.94   | 8.00 | 41.3       | 3.06            | 112.7 |
| 266      | 12/30/2010 10:31 | 9.35   | 38.42  | 24.29        | 10.91   | 7.98 | 22.7       | 2.93            | 111.2 |
| 267      | 12/30/2010 10:46 | 9.32   | 38.39  | 24.27        | 10.93   | 7.98 | 26.2       | 2.82            | 111.4 |
| 268      | 12/30/2010 11:01 | 9.28   | 38.05  | 24.03        | 10.93   | 7.97 | 23.3       | 2.70            | 111.1 |
| 269      | 12/30/2010 11:16 | 9.30   | 38.11  | 24.07        | 10.92   | 7.97 | 28.3       | 2.56            | 111.1 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time      | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                  |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 270      | 12/30/2010 11:31 | 9.24   | 37.78  | 23.84        | 10.88   | 7.96 | 20.9       | 2.47            | 110.4 |
| 271      | 12/30/2010 11:46 | 9.25   | 37.61  | 23.72        | 10.93   | 7.96 | 19.7       | 2.32            | 110.8 |
| 272      | 12/30/2010 12:01 | 9.26   | 37.52  | 23.66        | 10.93   | 7.95 | 19.3       | 2.22            | 110.8 |
| 273      | 12/30/2010 12:16 | 9.24   | 37.03  | 23.32        | 11.01   | 7.94 | 20.8       | 2.09            | 111.3 |
| 274      | 12/30/2010 12:31 | 9.24   | 36.92  | 23.24        | 10.97   | 7.94 | 19.5       | 1.98            | 110.9 |
| 275      | 12/30/2010 12:46 | 9.19   | 36.70  | 23.09        | 10.99   | 7.94 | 19.7       | 1.86            | 110.8 |
| 276      | 12/30/2010 13:01 | 9.09   | 36.56  | 22.99        | 10.90   | 7.92 | 20.3       | 1.76            | 109.6 |
| 277      | 12/30/2010 13:16 | 9.06   | 36.45  | 22.91        | 10.84   | 7.93 | 19.6       | 1.66            | 108.9 |
| 278      | 12/30/2010 13:31 | 9.02   | 36.53  | 22.97        | 10.71   | 7.93 | 16.4       | 1.61            | 107.4 |
| 279      | 12/30/2010 13:46 | 9.18   | 36.46  | 22.93        | 10.88   | 7.92 | 17.9       | 1.61            | 109.6 |
| 280      | 12/30/2010 14:01 | 9.06   | 37.02  | 23.30        | 10.75   | 7.93 | 16.7       | 1.56            | 108.2 |
| 281      | 12/30/2010 14:16 | 9.21   | 36.93  | 23.25        | 10.88   | 7.92 | 15.7       | 1.56            | 109.8 |
| 282      | 12/30/2010 14:31 | 9.19   | 36.74  | 23.12        | 10.90   | 7.92 | 13.7       | 1.60            | 109.9 |
| 283      | 12/30/2010 14:46 | 9.15   | 36.71  | 23.09        | 10.88   | 7.93 | 14.9       | 1.62            | 109.6 |
| 284      | 12/30/2010 15:01 | 9.13   | 36.93  | 23.25        | 10.81   | 7.93 | 16.2       | 1.69            | 109.0 |
| 285      | 12/30/2010 15:16 | 9.17   | 37.13  | 23.39        | 10.80   | 7.93 | 16.5       | 1.75            | 109.0 |
| 286      | 12/30/2010 15:31 | 9.16   | 37.10  | 23.36        | 10.80   | 7.93 | 17.2       | 1.79            | 109.0 |
| 287      | 12/30/2010 15:46 | 9.17   | 36.94  | 23.25        | 10.79   | 7.93 | 18.3       | 1.86            | 108.9 |
| 288      | 12/30/2010 16:01 | 9.14   | 36.75  | 23.12        | 10.80   | 7.91 | 17.9       | 1.93            | 108.8 |
| 289      | 12/30/2010 16:16 | 9.15   | 36.31  | 22.82        | 10.81   | 7.90 | 15.8       | 2.02            | 108.8 |
| 290      | 12/30/2010 16:31 | 9.16   | 36.64  | 23.05        | 10.78   | 7.91 | 16.3       | 2.09            | 108.6 |
| 291      | 12/30/2010 16:46 | 9.16   | 36.66  | 23.06        | 10.77   | 7.91 | 18.0       | 2.17            | 108.5 |
| 292      | 12/30/2010 17:01 | 9.15   | 36.68  | 23.07        | 10.76   | 7.92 | 17.9       | 2.25            | 108.4 |
| 293      | 12/30/2010 17:16 | 9.12   | 36.36  | 22.85        | 10.80   | 7.91 | 19.7       | 2.33            | 108.6 |
| 294      | 12/30/2010 17:31 | 9.09   | 36.55  | 22.98        | 10.80   | 7.92 | 18.3       | 2.41            | 108.5 |
| 295      | 12/30/2010 17:46 | 9.04   | 36.60  | 23.01        | 10.81   | 7.93 | 23.0       | 2.49            | 108.6 |
| 296      | 12/30/2010 18:01 | 9.07   | 36.46  | 22.92        | 10.83   | 7.92 | 15.7       | 2.56            | 108.7 |
| 297      | 12/30/2010 18:16 | 9.07   | 36.58  | 23.00        | 10.83   | 7.92 | 14.2       | 2.64            | 108.9 |
| 298      | 12/30/2010 18:31 | 9.15   | 36.86  | 23.20        | 10.85   | 7.92 | 14.8       | 2.71            | 109.3 |
| 299      | 12/30/2010 18:46 | 9.19   | 37.12  | 23.38        | 10.81   | 7.93 | 15.9       | 2.76            | 109.2 |
| 300      | 12/30/2010 19:01 | 9.21   | 37.34  | 23.53        | 10.80   | 7.93 | 14.2       | 2.83            | 109.3 |
| 301      | 12/30/2010 19:16 | 9.23   | 37.89  | 23.92        | 10.78   | 7.95 | 16.6       | 2.89            | 109.4 |
| 302      | 12/30/2010 19:31 | 9.24   | 37.98  | 23.98        | 10.77   | 7.95 | 14.7       | 2.95            | 109.4 |
| 303      | 12/30/2010 19:46 | 9.27   | 38.15  | 24.10        | 10.76   | 7.96 | 16.7       | 2.99            | 109.4 |
| 304      | 12/30/2010 20:01 | 9.29   | 38.37  | 24.25        | 10.73   | 7.96 | 14.6       | 3.02            | 109.3 |
| 305      | 12/30/2010 20:16 | 9.34   | 38.53  | 24.36        | 10.76   | 7.95 | 14.0       | 3.07            | 109.7 |
| 306      | 12/30/2010 20:31 | 9.38   | 38.99  | 24.69        | 10.67   | 7.96 | 11.2       | 3.10            | 109.2 |
| 307      | 12/30/2010 20:46 | 9.36   | 38.71  | 24.49        | 10.65   | 7.96 | 12.8       | 3.10            | 108.7 |
| 308      | 12/30/2010 21:01 | 9.42   | 39.19  | 24.83        | 10.73   | 7.96 | 15.9       | 3.11            | 110.0 |
| 309      | 12/30/2010 21:16 | 9.32   | 38.61  | 24.42        | 10.66   | 7.95 | 10.9       | 3.11            | 108.7 |
| 310      | 12/30/2010 21:31 | 9.39   | 39.04  | 24.72        | 10.70   | 7.96 | 12.8       | 3.07            | 109.5 |
| 311      | 12/30/2010 21:46 | 9.32   | 38.61  | 24.42        | 10.72   | 7.97 | 21.0       | 3.03            | 109.3 |
| 312      | 12/30/2010 22:01 | 9.27   | 38.21  | 24.14        | 10.70   | 7.94 | 21.7       | 2.99            | 108.8 |
| 313      | 12/30/2010 22:16 | 9.24   | 37.95  | 23.96        | 10.72   | 7.94 | 21.7       | 2.94            | 108.8 |
| 314      | 12/30/2010 22:31 | 9.17   | 37.58  | 23.70        | 10.74   | 7.94 | 24.5       | 2.89            | 108.6 |
| 315      | 12/30/2010 22:46 | 9.14   | 37.59  | 23.70        | 10.71   | 7.95 | 20.9       | 2.82            | 108.3 |
| 316      | 12/30/2010 23:01 | 9.09   | 37.39  | 23.56        | 10.72   | 7.94 | 19.3       | 2.77            | 108.1 |
| 317      | 12/30/2010 23:16 | 9.03   | 37.11  | 23.37        | 10.71   | 7.93 | 15.9       | 2.70            | 107.8 |
| 318      | 12/30/2010 23:31 | 8.84   | 36.53  | 22.95        | 10.71   | 7.91 | 12.8       | 2.66            | 107.0 |
| 319      | 12/30/2010 23:46 | 8.64   | 36.10  | 22.65        | 10.75   | 7.91 | 12.5       | 2.61            | 106.8 |
| 320      | 12/31/2010 0:01  | 8.61   | 36.12  | 22.66        | 10.76   | 7.91 | 10.6       | 2.56            | 106.7 |
| 321      | 12/31/2010 0:16  | 8.63   | 36.12  | 22.66        | 10.74   | 7.92 | 11.7       | 2.53            | 106.6 |
| 322      | 12/31/2010 0:31  | 8.60   | 36.06  | 22.62        | 10.71   | 7.91 | 10.3       | 2.49            | 106.2 |
| 323      | 12/31/2010 0:46  | 8.62   | 36.05  | 22.61        | 10.63   | 7.90 | 9.3        | 2.46            | 105.5 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time      | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                  |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 324      | 12/31/2010 1:01  | 8.61   | 36.03  | 22.60        | 10.66   | 7.92 | 9.7        | 2.45            | 105.7 |
| 325      | 12/31/2010 1:16  | 8.66   | 36.24  | 22.74        | 10.50   | 7.92 | 7.9        | 2.43            | 104.4 |
| 326      | 12/31/2010 1:31  | 8.78   | 36.46  | 22.90        | 10.67   | 7.92 | 9.9        | 2.45            | 106.5 |
| 327      | 12/31/2010 1:46  | 8.74   | 36.47  | 22.91        | 10.73   | 7.91 | 9.4        | 2.44            | 107.0 |
| 328      | 12/31/2010 2:01  | 8.75   | 36.35  | 22.83        | 10.71   | 7.90 | 9.9        | 2.46            | 106.7 |
| 329      | 12/31/2010 2:16  | 8.78   | 36.46  | 22.91        | 10.70   | 7.92 | 11.3       | 2.50            | 106.8 |
| 330      | 12/31/2010 2:31  | 8.74   | 36.36  | 22.83        | 10.71   | 7.91 | 11.2       | 2.53            | 106.7 |
| 331      | 12/31/2010 2:46  | 8.66   | 36.17  | 22.70        | 10.74   | 7.90 | 14.3       | 2.58            | 106.8 |
| 332      | 12/31/2010 3:01  | 8.87   | 36.69  | 23.06        | 10.71   | 7.91 | 18.4       | 2.64            | 107.2 |
| 333      | 12/31/2010 3:16  | 9.10   | 37.53  | 23.66        | 10.71   | 7.94 | 19.5       | 2.70            | 108.2 |
| 334      | 12/31/2010 3:31  | 9.05   | 37.37  | 23.54        | 10.73   | 7.94 | 15.0       | 2.77            | 108.2 |
| 335      | 12/31/2010 3:46  | 9.10   | 37.60  | 23.70        | 10.76   | 7.94 | 12.6       | 2.85            | 108.7 |
| 336      | 12/31/2010 4:01  | 9.51   | 39.83  | 25.28        | 10.70   | 7.99 | 21.2       | 2.91            | 110.2 |
| 337      | 12/31/2010 4:16  | 9.70   | 41.10  | 26.18        | 10.64   | 7.99 | 19.8       | 2.99            | 110.7 |
| 338      | 12/31/2010 4:31  | 9.56   | 40.43  | 25.70        | 10.71   | 7.98 | 21.5       | 3.07            | 110.8 |
| 339      | 12/31/2010 4:46  | 9.61   | 40.88  | 26.02        | 10.70   | 7.99 | 24.9       | 3.15            | 111.0 |
| 340      | 12/31/2010 5:01  | 9.77   | 41.70  | 26.61        | 10.66   | 8.00 | 26.4       | 3.24            | 111.4 |
| 341      | 12/31/2010 5:16  | 9.90   | 42.33  | 27.06        | 10.63   | 8.02 | 27.2       | 3.32            | 111.7 |
| 342      | 12/31/2010 5:31  | 9.75   | 41.41  | 26.40        | 10.69   | 8.02 | 26.3       | 3.43            | 111.4 |
| 343      | 12/31/2010 5:46  | 10.02  | 43.04  | 27.56        | 10.61   | 8.04 | 28.8       | 3.51            | 112.2 |
| 344      | 12/31/2010 6:01  | 10.17  | 43.96  | 28.22        | 10.56   | 8.04 | 31.5       | 3.59            | 112.5 |
| 345      | 12/31/2010 6:16  | 10.12  | 43.86  | 28.15        | 10.59   | 8.03 | 29.7       | 3.69            | 112.6 |
| 346      | 12/31/2010 6:31  | 10.29  | 44.81  | 28.83        | 10.57   | 8.04 | 25.3       | 3.75            | 113.3 |
| 347      | 12/31/2010 6:46  | 10.29  | 45.05  | 29.01        | 10.57   | 8.04 | 23.6       | 3.82            | 113.4 |
| 348      | 12/31/2010 7:01  | 10.25  | 44.98  | 28.96        | 10.58   | 8.04 | 20.0       | 3.90            | 113.4 |
| 349      | 12/31/2010 7:16  | 10.21  | 45.08  | 29.02        | 10.63   | 8.07 | 21.7       | 3.94            | 113.8 |
| 350      | 12/31/2010 7:31  | 10.20  | 45.14  | 29.06        | 10.62   | 8.07 | 20.6       | 3.99            | 113.8 |
| 351      | 12/31/2010 7:46  | 10.20  | 45.16  | 29.08        | 10.60   | 8.05 | 17.5       | 4.02            | 113.6 |
| 352      | 12/31/2010 8:01  | 10.19  | 45.12  | 29.05        | 10.58   | 8.05 | 9.6        | 4.02            | 113.3 |
| 353      | 12/31/2010 8:16  | 10.19  | 45.00  | 28.96        | 10.47   | 8.06 | 14.5       | 4.03            | 112.1 |
| 354      | 12/31/2010 8:31  | 10.19  | 45.08  | 29.02        | 10.53   | 8.05 | 17.2       | 4.01            | 112.8 |
| 355      | 12/31/2010 8:46  | 10.16  | 44.90  | 28.89        | 10.55   | 8.06 | 15.9       | 3.96            | 112.8 |
| 356      | 12/31/2010 9:01  | 9.98   | 43.69  | 28.02        | 10.55   | 8.05 | 20.7       | 3.90            | 111.8 |
| 357      | 12/31/2010 9:16  | 10.10  | 44.28  | 28.45        | 10.52   | 8.05 | 23.7       | 3.83            | 112.1 |
| 358      | 12/31/2010 9:31  | 9.90   | 43.11  | 27.61        | 10.58   | 8.04 | 21.1       | 3.74            | 111.6 |
| 359      | 12/31/2010 9:46  | 9.78   | 42.83  | 27.40        | 10.63   | 8.04 | 21.8       | 3.63            | 111.7 |
| 360      | 12/31/2010 10:01 | 9.32   | 40.18  | 25.51        | 10.72   | 8.01 | 28.2       | 3.53            | 110.1 |
| 361      | 12/31/2010 10:16 | 9.76   | 42.29  | 27.02        | 10.59   | 8.03 | 32.7       | 3.43            | 110.9 |
| 362      | 12/31/2010 10:31 | 9.55   | 41.63  | 26.55        | 10.64   | 8.02 | 21.9       | 3.31            | 110.6 |
| 363      | 12/31/2010 10:46 | 9.58   | 41.58  | 26.51        | 10.65   | 8.02 | 22.2       | 3.19            | 110.7 |
| 364      | 12/31/2010 11:01 | 9.49   | 41.08  | 26.15        | 10.66   | 8.01 | 21.1       | 3.08            | 110.3 |
| 365      | 12/31/2010 11:16 | 9.33   | 40.50  | 25.74        | 10.67   | 8.01 | 26.6       | 2.96            | 109.8 |
| 366      | 12/31/2010 11:31 | 8.97   | 39.41  | 24.96        | 10.78   | 7.97 | 12.0       | 2.82            | 109.5 |
| 367      | 12/31/2010 11:46 | 8.95   | 39.17  | 24.79        | 10.78   | 7.98 | 10.8       | 2.68            | 109.3 |
| 368      | 12/31/2010 12:01 | 8.92   | 38.84  | 24.56        | 10.79   | 7.97 | 11.1       | 2.55            | 109.2 |
| 369      | 12/31/2010 12:16 | 8.90   | 38.58  | 24.37        | 10.78   | 7.97 | 12.1       | 2.43            | 108.9 |
| 370      | 12/31/2010 12:31 | 8.87   | 38.40  | 24.25        | 10.94   | 7.97 | 13.0       | 2.29            | 110.3 |
| 371      | 12/31/2010 12:46 | 8.79   | 38.14  | 24.06        | 10.93   | 7.97 | 14.5       | 2.15            | 109.9 |
| 372      | 12/31/2010 13:01 | 8.72   | 37.80  | 23.83        | 10.89   | 7.96 | 14.3       | 2.01            | 109.2 |
| 373      | 12/31/2010 13:16 | 8.59   | 37.27  | 23.45        | 10.94   | 7.95 | 13.7       | 1.88            | 109.1 |
| 374      | 12/31/2010 13:31 | 8.50   | 36.92  | 23.21        | 10.90   | 7.94 | 14.3       | 1.75            | 108.2 |
| 375      | 12/31/2010 13:46 | 8.41   | 36.61  | 22.99        | 10.88   | 7.94 | 17.6       | 1.65            | 107.7 |
| 376      | 12/31/2010 14:01 | 8.36   | 36.44  | 22.86        | 10.85   | 7.93 | 17.0       | 1.54            | 107.2 |
| 377      | 12/31/2010 14:16 | 8.32   | 36.34  | 22.80        | 10.84   | 7.91 | 19.9       | 1.46            | 106.9 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time      | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                  |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 378      | 12/31/2010 14:31 | 8.28   | 36.23  | 22.72        | 10.83   | 7.92 | 20.3       | 1.42   | 106.7 |
| 379      | 12/31/2010 14:46 | 8.27   | 36.22  | 22.71        | 10.80   | 7.92 | 20.9       | 1.35   | 106.4 |
| 380      | 12/31/2010 15:01 | 8.33   | 36.35  | 22.80        | 10.74   | 7.92 | 25.9       | 1.36   | 106.0 |
| 381      | 12/31/2010 15:16 | 8.38   | 36.51  | 22.92        | 10.86   | 7.93 | 17.1       | 1.36   | 107.4 |
| 382      | 12/31/2010 15:31 | 8.37   | 36.52  | 22.92        | 10.83   | 7.92 | 12.4       | 1.39   | 107.0 |
| 383      | 12/31/2010 15:46 | 8.47   | 36.81  | 23.13        | 10.78   | 7.92 | 13.5       | 1.46   | 106.9 |
| 384      | 12/31/2010 16:01 | 8.46   | 36.35  | 22.81        | 10.82   | 7.93 | 13.5       | 1.52   | 107.1 |
| 385      | 12/31/2010 16:16 | 8.55   | 36.91  | 23.20        | 10.76   | 7.93 | 13.4       | 1.60   | 107.0 |
| 386      | 12/31/2010 16:31 | 8.56   | 36.61  | 23.00        | 10.76   | 7.91 | 13.2       | 1.66   | 106.9 |
| 387      | 12/31/2010 16:46 | 8.60   | 36.45  | 22.89        | 10.77   | 7.90 | 17.2       | 1.75   | 107.0 |
| 388      | 12/31/2010 17:01 | 8.63   | 36.52  | 22.94        | 10.75   | 7.90 | 13.6       | 1.83   | 106.9 |
| 389      | 12/31/2010 17:16 | 8.70   | 37.20  | 23.41        | 10.70   | 7.93 | 14.5       | 1.90   | 106.9 |
| 390      | 12/31/2010 17:31 | 8.72   | 36.85  | 23.17        | 10.71   | 7.93 | 14.2       | 1.98   | 106.9 |
| 391      | 12/31/2010 17:46 | 8.77   | 37.17  | 23.39        | 10.69   | 7.92 | 13.0       | 2.07   | 107.0 |
| 392      | 12/31/2010 18:01 | 8.78   | 37.26  | 23.46        | 10.69   | 7.93 | 13.9       | 2.16   | 107.0 |
| 393      | 12/31/2010 18:16 | 8.81   | 37.58  | 23.68        | 10.69   | 7.94 | 13.3       | 2.25   | 107.3 |
| 394      | 12/31/2010 18:31 | 8.85   | 37.94  | 23.93        | 10.67   | 7.95 | 17.9       | 2.35   | 107.3 |
| 395      | 12/31/2010 18:46 | 8.83   | 37.97  | 23.95        | 10.70   | 7.95 | 15.3       | 2.44   | 107.6 |
| 396      | 12/31/2010 19:01 | 8.95   | 38.90  | 24.60        | 10.62   | 7.96 | 20.6       | 2.52   | 107.5 |
| 397      | 12/31/2010 19:16 | 8.96   | 38.98  | 24.66        | 10.63   | 7.95 | 22.2       | 2.61   | 107.7 |
| 398      | 12/31/2010 19:31 | 8.95   | 39.01  | 24.68        | 10.65   | 7.95 | 18.7       | 2.68   | 107.9 |
| 399      | 12/31/2010 19:46 | 8.98   | 39.07  | 24.72        | 10.65   | 7.95 | 21.6       | 2.76   | 108.0 |
| 400      | 12/31/2010 20:01 | 9.01   | 39.26  | 24.86        | 10.67   | 7.96 | 25.9       | 2.84   | 108.4 |
| 401      | 12/31/2010 20:16 | 9.03   | 39.33  | 24.90        | 10.67   | 7.98 | 23.7       | 2.90   | 108.4 |
| 402      | 12/31/2010 20:31 | 9.05   | 39.42  | 24.97        | 10.66   | 7.98 | 23.7       | 2.96   | 108.5 |
| 403      | 12/31/2010 20:46 | 9.14   | 40.04  | 25.40        | 10.64   | 7.97 | 43.7       | 3.04   | 108.8 |
| 404      | 12/31/2010 21:01 | 9.32   | 41.01  | 26.09        | 10.64   | 7.99 | 44.4       | 3.09   | 109.6 |
| 405      | 12/31/2010 21:16 | 9.43   | 41.65  | 26.55        | 10.59   | 8.00 | 44.9       | 3.13   | 109.8 |
| 406      | 12/31/2010 21:31 | 9.50   | 42.03  | 26.82        | 10.59   | 8.02 | 34.6       | 3.19   | 110.1 |
| 407      | 12/31/2010 21:46 | 9.52   | 42.26  | 26.98        | 10.59   | 8.02 | 20.6       | 3.22   | 110.3 |
| 408      | 12/31/2010 22:01 | 9.47   | 41.95  | 26.76        | 10.53   | 8.00 | 16.6       | 3.23   | 109.4 |
| 409      | 12/31/2010 22:16 | 9.52   | 42.24  | 26.97        | 10.57   | 8.02 | 18.3       | 3.26   | 110.0 |
| 410      | 12/31/2010 22:31 | 9.49   | 42.02  | 26.82        | 10.49   | 8.01 | 15.9       | 3.24   | 109.0 |
| 411      | 12/31/2010 22:46 | 9.49   | 42.04  | 26.83        | 10.54   | 8.01 | 17.3       | 3.21   | 109.6 |
| 412      | 12/31/2010 23:01 | 9.44   | 41.65  | 26.56        | 10.56   | 8.01 | 21.0       | 3.17   | 109.5 |
| 413      | 12/31/2010 23:16 | 9.32   | 40.73  | 25.90        | 10.57   | 8.00 | 19.7       | 3.12   | 108.8 |
| 414      | 12/31/2010 23:31 | 9.14   | 39.98  | 25.37        | 10.62   | 7.97 | 44.5       | 3.05   | 108.5 |
| 415      | 12/31/2010 23:46 | 9.06   | 39.56  | 25.07        | 10.62   | 7.98 | 32.0       | 3.00   | 108.2 |
| 416      | 1/1/2011 0:01    | 9.01   | 39.29  | 24.88        | 10.62   | 7.97 | 28.0       | 2.93   | 107.8 |
| 417      | 1/1/2011 0:16    | 8.94   | 38.91  | 24.61        | 10.60   | 7.96 | 21.4       | 2.87   | 107.3 |
| 418      | 1/1/2011 0:31    | 8.86   | 38.56  | 24.36        | 10.60   | 7.95 | 19.7       | 2.81   | 106.9 |
| 419      | 1/1/2011 0:46    | 8.81   | 38.71  | 24.46        | 10.51   | 7.95 | 8.2        | 2.75   | 106.0 |
| 420      | 1/1/2011 1:01    | 8.75   | 38.11  | 24.04        | 10.56   | 7.94 | 9.0        | 2.72   | 106.1 |
| 421      | 1/1/2011 1:16    | 8.74   | 38.06  | 24.01        | 10.56   | 7.94 | 8.3        | 2.67   | 106.0 |
| 422      | 1/1/2011 1:31    | 8.71   | 37.74  | 23.79        | 10.56   | 7.92 | 7.0        | 2.65   | 105.8 |
| 423      | 1/1/2011 1:46    | 8.68   | 37.70  | 23.75        | 10.52   | 7.93 | 7.0        | 2.61   | 105.3 |
| 424      | 1/1/2011 2:01    | 8.67   | 37.47  | 23.60        | 10.58   | 7.93 | 6.6        | 2.60   | 105.8 |
| 425      | 1/1/2011 2:16    | 8.77   | 37.99  | 23.96        | 10.45   | 7.94 | 6.3        | 2.58   | 104.9 |
| 426      | 1/1/2011 2:31    | 8.83   | 38.33  | 24.20        | 10.54   | 7.95 | 7.6        | 2.59   | 106.1 |
| 427      | 1/1/2011 2:46    | 8.63   | 37.25  | 23.44        | 10.63   | 7.93 | 7.1        | 2.60   | 106.1 |
| 428      | 1/1/2011 3:01    | 8.64   | 37.44  | 23.58        | 10.67   | 7.93 | 7.1        | 2.62   | 106.5 |
| 429      | 1/1/2011 3:16    | 8.80   | 38.25  | 24.14        | 10.62   | 7.93 | 12.1       | 2.66   | 106.8 |
| 430      | 1/1/2011 3:31    | 8.81   | 38.26  | 24.15        | 10.61   | 7.94 | 15.9       | 2.69   | 106.8 |
| 431      | 1/1/2011 3:46    | 8.83   | 38.44  | 24.28        | 10.61   | 7.95 | 20.6       | 2.74   | 106.9 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 432      | 1/1/2011 4:01  | 8.95   | 38.95  | 24.63        | 10.64   | 7.95 | 20.5              | 2.79            | 107.7 |
| 433      | 1/1/2011 4:16  | 8.99   | 39.16  | 24.78        | 10.63   | 7.96 | 14.0              | 2.85            | 107.8 |
| 434      | 1/1/2011 4:31  | 9.01   | 39.24  | 24.84        | 10.64   | 7.97 | 12.8              | 2.92            | 108.0 |
| 435      | 1/1/2011 4:46  | 8.99   | 39.38  | 24.94        | 10.65   | 7.97 | 17.6              | 2.99            | 108.2 |
| 436      | 1/1/2011 5:01  | 8.96   | 39.42  | 24.97        | 10.70   | 7.98 | 13.1              | 3.06            | 108.6 |
| 437      | 1/1/2011 5:16  | 9.00   | 39.78  | 25.22        | 10.70   | 7.98 | 17.0              | 3.14            | 108.9 |
| 438      | 1/1/2011 5:31  | 9.23   | 41.05  | 26.12        | 10.64   | 8.01 | 20.0              | 3.22            | 109.5 |
| 439      | 1/1/2011 5:46  | 9.06   | 40.52  | 25.74        | 10.71   | 7.99 | 13.6              | 3.30            | 109.5 |
| 440      | 1/1/2011 6:01  | 9.44   | 41.91  | 26.73        | 10.60   | 8.02 | 17.6              | 3.39            | 110.1 |
| 441      | 1/1/2011 6:16  | 9.56   | 42.61  | 27.23        | 10.58   | 8.03 | 19.8              | 3.48            | 110.4 |
| 442      | 1/1/2011 6:31  | 9.81   | 43.84  | 28.12        | 10.50   | 8.04 | 21.4              | 3.56            | 110.8 |
| 443      | 1/1/2011 6:46  | 9.91   | 44.43  | 28.54        | 10.45   | 8.06 | 22.9              | 3.63            | 110.9 |
| 444      | 1/1/2011 7:01  | 9.94   | 44.74  | 28.76        | 10.47   | 8.05 | 20.6              | 3.72            | 111.3 |
| 445      | 1/1/2011 7:16  | 10.05  | 45.23  | 29.12        | 10.44   | 8.05 | 16.5              | 3.80            | 111.5 |
| 446      | 1/1/2011 7:31  | 10.07  | 45.28  | 29.15        | 10.45   | 8.05 | 17.2              | 3.87            | 111.7 |
| 447      | 1/1/2011 7:46  | 10.04  | 45.49  | 29.31        | 10.45   | 8.05 | 18.2              | 3.93            | 111.7 |
| 448      | 1/1/2011 8:01  | 10.03  | 45.52  | 29.32        | 10.45   | 8.07 | 13.8              | 4.00            | 111.8 |
| 449      | 1/1/2011 8:16  | 10.00  | 45.47  | 29.29        | 10.49   | 8.07 | 11.8              | 4.05            | 112.0 |
| 450      | 1/1/2011 8:31  | 10.07  | 45.70  | 29.45        | 10.44   | 8.07 | 12.3              | 4.08            | 111.8 |
| 451      | 1/1/2011 8:46  | 10.08  | 45.78  | 29.52        | 10.40   | 8.07 | 9.5               | 4.12            | 111.5 |
| 452      | 1/1/2011 9:01  | 10.09  | 45.85  | 29.56        | 10.40   | 8.07 | 7.9               | 4.14            | 111.5 |
| 453      | 1/1/2011 9:16  | 10.06  | 45.71  | 29.46        | 10.37   | 8.07 | 8.4               | 4.13            | 111.0 |
| 454      | 1/1/2011 9:31  | 10.10  | 45.86  | 29.57        | 10.34   | 8.07 | 9.3               | 4.10            | 110.9 |
| 455      | 1/1/2011 9:46  | 10.09  | 45.85  | 29.56        | 10.42   | 8.08 | 14.0              | 4.07            | 111.8 |
| 456      | 1/1/2011 10:01 | 9.34   | 42.29  | 27.00        | 10.65   | 8.02 | 13.8              | 4.01            | 110.5 |
| 457      | 1/1/2011 10:16 | 9.29   | 41.22  | 26.24        | 10.71   | 8.02 | 11.2              | 3.91            | 110.5 |
| 458      | 1/1/2011 10:31 | 9.27   | 41.20  | 26.23        | 10.69   | 8.00 | 16.4              | 3.82            | 110.1 |
| 459      | 1/1/2011 10:46 | 9.33   | 41.20  | 26.23        | 10.66   | 8.00 | 10.1              | 3.72            | 110.0 |
| 460      | 1/1/2011 11:01 | 9.39   | 41.28  | 26.29        | 10.67   | 8.00 | 10.1              | 3.59            | 110.3 |
| 461      | 1/1/2011 11:16 | 9.34   | 40.90  | 26.02        | 10.70   | 8.00 | 12.5              | 3.46            | 110.3 |
| 462      | 1/1/2011 11:31 | 9.41   | 41.43  | 26.39        | 10.69   | 8.02 | 29.1              | 3.33            | 110.6 |
| 463      | 1/1/2011 11:46 | 9.29   | 40.88  | 26.00        | 10.68   | 8.00 | 29.9              | 3.21            | 109.9 |
| 464      | 1/1/2011 12:01 | 9.19   | 40.26  | 25.56        | 10.69   | 7.99 | 22.8              | 3.06            | 109.5 |
| 465      | 1/1/2011 12:16 | 9.16   | 39.79  | 25.23        | 10.80   | 7.98 | 14.7              | 2.92            | 110.4 |
| 466      | 1/1/2011 12:31 | 9.26   | 40.13  | 25.47        | 10.85   | 7.99 | 11.9              | 2.79            | 111.3 |
| 467      | 1/1/2011 12:46 | 9.25   | 40.15  | 25.49        | 10.84   | 7.99 | 14.4              | 2.64            | 111.1 |
| 468      | 1/1/2011 13:01 | 9.22   | 40.01  | 25.39        | 10.83   | 7.98 | 17.4              | 2.50            | 110.9 |
| 469      | 1/1/2011 13:16 | 9.21   | 39.91  | 25.32        | 10.88   | 7.97 | 18.6              | 2.36            | 111.3 |
| 470      | 1/1/2011 13:31 | 9.18   | 39.57  | 25.08        | 10.99   | 7.99 | 19.9              | 2.18            | 112.2 |
| 471      | 1/1/2011 13:46 | 9.06   | 39.04  | 24.71        | 10.95   | 7.97 | 23.4              | 2.07            | 111.2 |
| 472      | 1/1/2011 14:01 | 9.03   | 38.40  | 24.26        | 11.09   | 7.97 | 19.3              | 1.93            | 112.3 |
| 473      | 1/1/2011 14:16 | 9.07   | 38.31  | 24.20        | 11.07   | 7.97 | 22.5              | 1.81            | 112.1 |
| 474      | 1/1/2011 14:31 | 9.01   | 37.97  | 23.96        | 11.07   | 7.96 | 29.0              | 1.64            | 111.8 |
| 475      | 1/1/2011 14:46 | 8.91   | 37.74  | 23.79        | 11.01   | 7.95 | 26.2              | 1.54            | 110.8 |
| 476      | 1/1/2011 15:01 | 8.88   | 37.61  | 23.70        | 11.04   | 7.95 | 28.4              | 1.41            | 110.9 |
| 477      | 1/1/2011 15:16 | 8.85   | 37.47  | 23.61        | 11.04   | 7.95 | 30.6              | 1.35            | 110.8 |
| 478      | 1/1/2011 15:31 | 8.82   | 37.35  | 23.52        | 11.06   | 7.95 | 21.8              | 1.28            | 110.8 |
| 479      | 1/1/2011 15:46 | 8.83   | 37.43  | 23.57        | 11.00   | 7.95 | 18.4              | 1.31            | 110.4 |
| 480      | 1/1/2011 16:01 | 8.84   | 37.51  | 23.63        | 11.03   | 7.95 | 17.3              | 1.27            | 110.7 |
| 481      | 1/1/2011 16:16 | 8.86   | 37.63  | 23.71        | 11.01   | 7.93 | 15.6              | 1.34            | 110.6 |
| 482      | 1/1/2011 16:31 | 8.89   | 37.84  | 23.86        | 10.93   | 7.95 | 16.2              | 1.35            | 110.0 |
| 483      | 1/1/2011 16:46 | 8.91   | 37.95  | 23.94        | 10.94   | 7.95 | 14.6              | 1.42            | 110.2 |
| 484      | 1/1/2011 17:01 | 8.89   | 37.31  | 23.50        | 10.94   | 7.94 | 12.8              | 1.51            | 109.9 |
| 485      | 1/1/2011 17:16 | 8.90   | 37.33  | 23.51        | 10.93   | 7.93 | 14.1              | 1.63            | 109.8 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 486      | 1/1/2011 17:31 | 8.91   | 37.27  | 23.47        | 10.91   | 7.93 | 12.1       | 1.66   | 109.6 |
| 487      | 1/1/2011 17:46 | 8.93   | 37.51  | 23.63        | 10.88   | 7.93 | 12.6       | 1.76   | 109.5 |
| 488      | 1/1/2011 18:01 | 8.95   | 37.63  | 23.72        | 10.87   | 7.92 | 12.1       | 1.88   | 109.5 |
| 489      | 1/1/2011 18:16 | 8.94   | 37.55  | 23.67        | 10.88   | 7.92 | 11.5       | 1.93   | 109.5 |
| 490      | 1/1/2011 18:31 | 9.00   | 37.74  | 23.80        | 10.82   | 7.94 | 12.3       | 2.02   | 109.1 |
| 491      | 1/1/2011 18:46 | 9.02   | 37.86  | 23.89        | 10.84   | 7.94 | 12.9       | 2.14   | 109.4 |
| 492      | 1/1/2011 19:01 | 9.04   | 38.04  | 24.01        | 10.81   | 7.95 | 13.2       | 2.22   | 109.2 |
| 493      | 1/1/2011 19:16 | 9.08   | 38.60  | 24.40        | 10.76   | 7.95 | 14.5       | 2.30   | 109.1 |
| 494      | 1/1/2011 19:31 | 9.14   | 39.27  | 24.87        | 10.72   | 7.96 | 18.3       | 2.43   | 109.2 |
| 495      | 1/1/2011 19:46 | 9.13   | 39.44  | 24.99        | 10.70   | 7.97 | 24.8       | 2.52   | 109.0 |
| 496      | 1/1/2011 20:01 | 9.15   | 39.65  | 25.13        | 10.70   | 7.97 | 22.9       | 2.61   | 109.2 |
| 497      | 1/1/2011 20:16 | 9.14   | 39.63  | 25.12        | 10.71   | 7.97 | 21.7       | 2.70   | 109.3 |
| 498      | 1/1/2011 20:31 | 9.15   | 39.69  | 25.16        | 10.72   | 7.97 | 27.8       | 2.79   | 109.5 |
| 499      | 1/1/2011 20:46 | 9.20   | 39.98  | 25.37        | 10.71   | 7.98 | 28.6       | 2.88   | 109.6 |
| 500      | 1/1/2011 21:01 | 9.23   | 40.19  | 25.51        | 10.68   | 7.98 | 26.1       | 2.96   | 109.5 |
| 501      | 1/1/2011 21:16 | 9.30   | 40.54  | 25.77        | 10.68   | 7.99 | 33.9       | 3.02   | 109.8 |
| 502      | 1/1/2011 21:31 | 9.48   | 41.71  | 26.59        | 10.71   | 8.01 | 65.7       | 3.11   | 111.2 |
| 503      | 1/1/2011 21:46 | 9.56   | 42.32  | 27.03        | 10.81   | 8.01 | 41.1       | 3.17   | 112.7 |
| 504      | 1/1/2011 22:01 | 9.65   | 42.93  | 27.47        | 10.85   | 8.03 | 37.4       | 3.22   | 113.7 |
| 505      | 1/1/2011 22:16 | 9.71   | 43.35  | 27.76        | 10.89   | 8.04 | 28.7       | 3.29   | 114.4 |
| 506      | 1/1/2011 22:31 | 9.73   | 43.56  | 27.92        | 10.85   | 8.04 | 23.4       | 3.32   | 114.2 |
| 507      | 1/1/2011 22:46 | 9.76   | 43.73  | 28.03        | 10.84   | 8.04 | 15.1       | 3.38   | 114.3 |
| 508      | 1/1/2011 23:01 | 9.84   | 44.07  | 28.28        | 10.78   | 8.04 | 10.1       | 3.42   | 114.0 |
| 509      | 1/1/2011 23:16 | 9.80   | 43.85  | 28.12        | 10.85   | 8.03 | 14.2       | 3.40   | 114.5 |
| 510      | 1/1/2011 23:31 | 9.76   | 43.55  | 27.91        | 10.78   | 8.04 | 12.4       | 3.37   | 113.5 |
| 511      | 1/1/2011 23:46 | 9.80   | 43.86  | 28.13        | 10.90   | 8.04 | 13.3       | 3.33   | 115.0 |
| 512      | 1/2/2011 0:01  | 9.70   | 43.27  | 27.71        | 10.87   | 8.04 | 17.3       | 3.28   | 114.2 |
| 513      | 1/2/2011 0:16  | 9.61   | 42.85  | 27.41        | 10.86   | 8.03 | 19.9       | 3.22   | 113.6 |
| 514      | 1/2/2011 0:31  | 9.50   | 42.22  | 26.95        | 10.80   | 8.01 | 30.0       | 3.15   | 112.4 |
| 515      | 1/2/2011 0:46  | 9.41   | 41.57  | 26.50        | 10.78   | 8.01 | 29.3       | 3.09   | 111.6 |
| 516      | 1/2/2011 1:01  | 9.40   | 41.56  | 26.48        | 10.71   | 8.01 | 20.2       | 3.03   | 110.9 |
| 517      | 1/2/2011 1:16  | 9.07   | 40.37  | 25.64        | 10.65   | 7.98 | 13.8       | 2.96   | 108.8 |
| 518      | 1/2/2011 1:31  | 9.05   | 40.31  | 25.59        | 10.62   | 7.98 | 10.1       | 2.88   | 108.5 |
| 519      | 1/2/2011 1:46  | 8.97   | 39.99  | 25.36        | 10.61   | 7.97 | 9.5        | 2.85   | 108.0 |
| 520      | 1/2/2011 2:01  | 8.89   | 39.77  | 25.20        | 10.61   | 7.96 | 8.4        | 2.78   | 107.7 |
| 521      | 1/2/2011 2:16  | 8.84   | 39.42  | 24.96        | 10.61   | 7.95 | 8.5        | 2.75   | 107.4 |
| 522      | 1/2/2011 2:31  | 8.80   | 39.19  | 24.80        | 10.64   | 7.96 | 8.1        | 2.69   | 107.5 |
| 523      | 1/2/2011 2:46  | 8.76   | 39.40  | 24.94        | 10.59   | 7.95 | 8.2        | 2.67   | 107.0 |
| 524      | 1/2/2011 3:01  | 8.77   | 39.29  | 24.86        | 10.58   | 7.95 | 8.2        | 2.66   | 106.9 |
| 525      | 1/2/2011 3:16  | 8.79   | 39.11  | 24.74        | 10.60   | 7.96 | 7.3        | 2.64   | 107.1 |
| 526      | 1/2/2011 3:31  | 8.90   | 39.68  | 25.14        | 10.44   | 7.95 | 6.3        | 2.63   | 106.0 |
| 527      | 1/2/2011 3:46  | 8.75   | 39.13  | 24.75        | 10.56   | 7.95 | 7.1        | 2.62   | 106.6 |
| 528      | 1/2/2011 4:01  | 8.69   | 39.24  | 24.82        | 10.52   | 7.94 | 7.6        | 2.64   | 106.0 |
| 529      | 1/2/2011 4:16  | 8.90   | 39.63  | 25.11        | 10.59   | 7.96 | 7.8        | 2.70   | 107.4 |
| 530      | 1/2/2011 4:31  | 9.06   | 40.21  | 25.52        | 10.59   | 7.98 | 11.8       | 2.71   | 108.2 |
| 531      | 1/2/2011 4:46  | 8.92   | 39.73  | 25.18        | 10.61   | 7.95 | 18.8       | 2.76   | 107.8 |
| 532      | 1/2/2011 5:01  | 8.92   | 39.85  | 25.26        | 10.62   | 7.97 | 14.2       | 2.81   | 107.9 |
| 533      | 1/2/2011 5:16  | 9.13   | 40.62  | 25.81        | 10.68   | 7.99 | 12.1       | 2.89   | 109.5 |
| 534      | 1/2/2011 5:31  | 9.19   | 40.86  | 25.98        | 10.70   | 7.99 | 12.9       | 2.94   | 109.9 |
| 535      | 1/2/2011 5:46  | 9.15   | 40.86  | 25.98        | 10.71   | 7.99 | 12.9       | 3.03   | 109.9 |
| 536      | 1/2/2011 6:01  | 9.15   | 40.85  | 25.97        | 10.71   | 7.99 | 12.9       | 3.12   | 109.9 |
| 537      | 1/2/2011 6:16  | 9.01   | 40.84  | 25.96        | 10.75   | 7.99 | 10.8       | 3.19   | 109.9 |
| 538      | 1/2/2011 6:31  | 9.13   | 41.24  | 26.24        | 10.75   | 8.00 | 15.7       | 3.24   | 110.4 |
| 539      | 1/2/2011 6:46  | 9.18   | 41.56  | 26.48        | 10.74   | 7.99 | 12.9       | 3.36   | 110.7 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------------|-------|
|          |                |        | mS/cm  |              | mg/L    |      | NTU        |              |       |
| 540      | 1/2/2011 7:01  | 9.26   | 41.84  | 26.67        | 10.78   | 8.02 | 11.6       | 3.46         | 111.4 |
| 541      | 1/2/2011 7:16  | 9.43   | 42.66  | 27.26        | 10.78   | 8.03 | 10.7       | 3.52         | 112.3 |
| 542      | 1/2/2011 7:31  | 9.68   | 43.89  | 28.14        | 10.75   | 8.05 | 12.6       | 3.63         | 113.2 |
| 543      | 1/2/2011 7:46  | 9.95   | 44.89  | 28.87        | 10.78   | 8.07 | 23.7       | 3.71         | 114.7 |
| 544      | 1/2/2011 8:01  | 9.96   | 45.08  | 29.01        | 10.78   | 8.07 | 26.3       | 3.79         | 114.8 |
| 545      | 1/2/2011 8:16  | 9.99   | 45.29  | 29.16        | 10.78   | 8.07 | 25.1       | 3.87         | 115.1 |
| 546      | 1/2/2011 8:31  | 10.00  | 45.45  | 29.27        | 10.75   | 8.07 | 23.1       | 3.95         | 114.8 |
| 547      | 1/2/2011 8:46  | 10.02  | 45.67  | 29.43        | 10.72   | 8.07 | 21.6       | 4.02         | 114.7 |
| 548      | 1/2/2011 9:01  | 10.08  | 45.95  | 29.64        | 10.73   | 8.08 | 16.9       | 4.07         | 115.1 |
| 549      | 1/2/2011 9:16  | 10.11  | 46.11  | 29.75        | 10.76   | 8.08 | 12.8       | 4.11         | 115.6 |
| 550      | 1/2/2011 9:31  | 10.12  | 46.18  | 29.80        | 10.71   | 8.06 | 10.5       | 4.14         | 115.0 |
| 551      | 1/2/2011 9:46  | 10.12  | 46.22  | 29.83        | 10.66   | 8.07 | 7.0        | 4.16         | 114.5 |
| 552      | 1/2/2011 10:01 | 10.09  | 46.04  | 29.70        | 10.64   | 8.08 | 8.7        | 4.15         | 114.2 |
| 553      | 1/2/2011 10:16 | 10.10  | 46.09  | 29.74        | 10.70   | 8.07 | 10.3       | 4.13         | 114.9 |
| 554      | 1/2/2011 10:31 | 10.06  | 45.85  | 29.56        | 10.76   | 8.08 | 11.4       | 4.09         | 115.3 |
| 555      | 1/2/2011 10:46 | 9.69   | 43.68  | 28.00        | 10.69   | 8.04 | 12.5       | 4.01         | 112.5 |
| 556      | 1/2/2011 11:01 | 10.02  | 45.59  | 29.37        | 10.74   | 8.07 | 14.2       | 3.93         | 114.8 |
| 557      | 1/2/2011 11:16 | 9.88   | 44.31  | 28.45        | 10.69   | 8.06 | 14.1       | 3.84         | 113.3 |
| 558      | 1/2/2011 11:31 | 9.75   | 43.46  | 27.85        | 10.69   | 8.05 | 20.8       | 3.74         | 112.5 |
| 559      | 1/2/2011 11:46 | 9.61   | 42.43  | 27.11        | 10.71   | 8.02 | 12.9       | 3.60         | 111.9 |
| 560      | 1/2/2011 12:01 | 9.66   | 42.65  | 27.27        | 10.73   | 8.03 | 12.9       | 3.49         | 112.3 |
| 561      | 1/2/2011 12:16 | 9.66   | 42.58  | 27.22        | 10.74   | 8.03 | 19.3       | 3.37         | 112.3 |
| 562      | 1/2/2011 12:31 | 9.50   | 42.23  | 26.96        | 10.75   | 8.02 | 21.9       | 3.25         | 111.9 |
| 563      | 1/2/2011 12:46 | 9.47   | 42.22  | 26.95        | 10.71   | 8.01 | 22.6       | 3.10         | 111.4 |
| 564      | 1/2/2011 13:01 | 9.57   | 41.51  | 26.46        | 10.77   | 8.01 | 13.6       | 2.97         | 111.9 |
| 565      | 1/2/2011 13:16 | 9.56   | 41.14  | 26.20        | 10.79   | 8.00 | 12.7       | 2.84         | 111.9 |
| 566      | 1/2/2011 13:31 | 9.51   | 40.89  | 26.02        | 10.76   | 7.99 | 16.9       | 2.70         | 111.3 |
| 567      | 1/2/2011 13:46 | 9.69   | 40.77  | 25.95        | 10.84   | 8.00 | 11.5       | 2.55         | 112.6 |
| 568      | 1/2/2011 14:01 | 9.71   | 40.71  | 25.91        | 10.96   | 8.00 | 13.5       | 2.39         | 113.8 |
| 569      | 1/2/2011 14:16 | 9.59   | 40.43  | 25.70        | 10.95   | 7.99 | 19.5       | 2.24         | 113.3 |
| 570      | 1/2/2011 14:31 | 9.52   | 40.09  | 25.46        | 10.94   | 7.99 | 19.6       | 2.09         | 112.9 |
| 571      | 1/2/2011 14:46 | 9.44   | 39.72  | 25.20        | 11.05   | 7.99 | 15.9       | 1.94         | 113.5 |
| 572      | 1/2/2011 15:01 | 9.50   | 39.50  | 25.05        | 11.04   | 7.99 | 17.0       | 1.78         | 113.5 |
| 573      | 1/2/2011 15:16 | 9.35   | 39.07  | 24.74        | 11.01   | 7.98 | 17.8       | 1.65         | 112.6 |
| 574      | 1/2/2011 15:31 | 9.24   | 38.71  | 24.48        | 10.96   | 7.96 | 17.6       | 1.51         | 111.6 |
| 575      | 1/2/2011 15:46 | 9.20   | 38.42  | 24.28        | 10.97   | 7.96 | 16.9       | 1.39         | 111.5 |
| 576      | 1/2/2011 16:01 | 9.17   | 38.21  | 24.13        | 10.97   | 7.94 | 17.0       | 1.28         | 111.3 |
| 577      | 1/2/2011 16:16 | 9.16   | 38.06  | 24.03        | 10.95   | 7.96 | 14.0       | 1.22         | 111.0 |
| 578      | 1/2/2011 16:31 | 9.17   | 38.18  | 24.11        | 10.93   | 7.96 | 13.4       | 1.21         | 110.9 |
| 579      | 1/2/2011 16:46 | 9.15   | 38.30  | 24.20        | 10.96   | 7.96 | 12.3       | 1.21         | 111.2 |
| 580      | 1/2/2011 17:01 | 9.18   | 38.44  | 24.29        | 10.91   | 7.94 | 12.9       | 1.26         | 110.8 |
| 581      | 1/2/2011 17:16 | 9.14   | 38.51  | 24.34        | 10.90   | 7.94 | 12.1       | 1.32         | 110.6 |
| 582      | 1/2/2011 17:31 | 9.12   | 38.51  | 24.34        | 10.90   | 7.96 | 10.5       | 1.40         | 110.6 |
| 583      | 1/2/2011 17:46 | 9.10   | 37.52  | 23.65        | 10.93   | 7.94 | 12.0       | 1.49         | 110.4 |
| 584      | 1/2/2011 18:01 | 9.15   | 37.95  | 23.95        | 10.88   | 7.94 | 10.6       | 1.56         | 110.2 |
| 585      | 1/2/2011 18:16 | 9.18   | 37.90  | 23.92        | 10.86   | 7.94 | 10.4       | 1.65         | 110.0 |
| 586      | 1/2/2011 18:31 | 9.21   | 38.11  | 24.06        | 10.85   | 7.95 | 10.4       | 1.73         | 110.1 |
| 587      | 1/2/2011 18:46 | 9.22   | 38.28  | 24.18        | 10.84   | 7.93 | 9.9        | 1.82         | 110.1 |
| 588      | 1/2/2011 19:01 | 9.25   | 38.72  | 24.49        | 10.81   | 7.95 | 9.9        | 1.89         | 110.1 |
| 589      | 1/2/2011 19:16 | 9.29   | 38.63  | 24.43        | 10.80   | 7.95 | 10.4       | 1.98         | 110.1 |
| 590      | 1/2/2011 19:31 | 9.31   | 38.86  | 24.59        | 10.78   | 7.95 | 10.6       | 2.09         | 110.0 |
| 591      | 1/2/2011 19:46 | 9.36   | 39.21  | 24.84        | 10.76   | 7.96 | 11.6       | 2.19         | 110.1 |
| 592      | 1/2/2011 20:01 | 9.39   | 39.78  | 25.24        | 10.74   | 7.96 | 12.8       | 2.30         | 110.3 |
| 593      | 1/2/2011 20:16 | 9.41   | 40.18  | 25.52        | 10.72   | 7.97 | 13.6       | 2.39         | 110.4 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 594      | 1/2/2011 20:31 | 9.40   | 40.31  | 25.61        | 10.72   | 7.97 | 19.1       | 2.50            | 110.4 |
| 595      | 1/2/2011 20:46 | 9.40   | 40.29  | 25.60        | 10.73   | 7.97 | 18.9       | 2.61            | 110.4 |
| 596      | 1/2/2011 21:01 | 9.41   | 40.56  | 25.79        | 10.72   | 7.98 | 20.7       | 2.70            | 110.5 |
| 597      | 1/2/2011 21:16 | 9.43   | 40.70  | 25.88        | 10.72   | 7.97 | 24.1       | 2.80            | 110.6 |
| 598      | 1/2/2011 21:31 | 9.47   | 41.00  | 26.10        | 10.72   | 7.98 | 31.0       | 2.89            | 110.9 |
| 599      | 1/2/2011 21:46 | 9.47   | 41.22  | 26.25        | 10.73   | 7.99 | 23.9       | 2.98            | 111.1 |
| 600      | 1/2/2011 22:01 | 9.58   | 41.85  | 26.70        | 10.74   | 8.01 | 31.8       | 3.07            | 111.8 |
| 601      | 1/2/2011 22:16 | 9.71   | 42.70  | 27.31        | 10.80   | 8.01 | 25.5       | 3.14            | 113.2 |
| 602      | 1/2/2011 22:31 | 9.77   | 43.02  | 27.54        | 10.81   | 8.03 | 24.2       | 3.21            | 113.6 |
| 603      | 1/2/2011 22:46 | 9.81   | 43.30  | 27.74        | 10.82   | 8.03 | 24.0       | 3.29            | 113.9 |
| 604      | 1/2/2011 23:01 | 9.88   | 43.63  | 27.97        | 10.79   | 8.04 | 20.3       | 3.33            | 114.0 |
| 605      | 1/2/2011 23:16 | 9.92   | 43.81  | 28.10        | 10.75   | 8.04 | 15.4       | 3.38            | 113.8 |
| 606      | 1/2/2011 23:31 | 9.97   | 44.02  | 28.26        | 10.76   | 8.05 | 14.2       | 3.43            | 114.1 |
| 607      | 1/2/2011 23:46 | 10.00  | 44.15  | 28.35        | 10.71   | 8.05 | 10.4       | 3.46            | 113.8 |
| 608      | 1/3/2011 0:01  | 9.96   | 43.97  | 28.22        | 10.74   | 8.05 | 12.3       | 3.45            | 113.8 |
| 609      | 1/3/2011 0:16  | 10.02  | 44.22  | 28.40        | 10.67   | 8.04 | 11.0       | 3.43            | 113.4 |
| 610      | 1/3/2011 0:31  | 9.94   | 43.78  | 28.09        | 10.73   | 8.03 | 13.6       | 3.39            | 113.6 |
| 611      | 1/3/2011 0:46  | 9.69   | 42.70  | 27.31        | 10.75   | 8.03 | 14.2       | 3.35            | 112.6 |
| 612      | 1/3/2011 1:01  | 9.57   | 42.39  | 27.08        | 10.71   | 8.02 | 16.5       | 3.26            | 111.7 |
| 613      | 1/3/2011 1:16  | 9.59   | 42.42  | 27.10        | 10.70   | 8.02 | 20.4       | 3.19            | 111.7 |
| 614      | 1/3/2011 1:31  | 9.52   | 42.21  | 26.95        | 10.72   | 8.01 | 15.6       | 3.11            | 111.7 |
| 615      | 1/3/2011 1:46  | 9.42   | 41.78  | 26.64        | 10.69   | 8.01 | 10.9       | 3.03            | 110.8 |
| 616      | 1/3/2011 2:01  | 9.28   | 41.39  | 26.36        | 10.62   | 7.99 | 9.6        | 2.96            | 109.6 |
| 617      | 1/3/2011 2:16  | 9.26   | 41.36  | 26.34        | 10.62   | 7.99 | 8.4        | 2.91            | 109.5 |
| 618      | 1/3/2011 2:31  | 9.18   | 40.91  | 26.02        | 10.62   | 7.98 | 8.4        | 2.84            | 109.1 |
| 619      | 1/3/2011 2:46  | 9.15   | 40.84  | 25.97        | 10.63   | 7.97 | 8.7        | 2.78            | 109.1 |
| 620      | 1/3/2011 3:01  | 9.13   | 40.83  | 25.96        | 10.62   | 7.98 | 10.1       | 2.72            | 108.9 |
| 621      | 1/3/2011 3:16  | 9.04   | 40.25  | 25.54        | 10.64   | 7.97 | 7.8        | 2.67            | 108.6 |
| 622      | 1/3/2011 3:31  | 9.00   | 40.20  | 25.51        | 10.62   | 7.96 | 7.3        | 2.65            | 108.3 |
| 623      | 1/3/2011 3:46  | 8.99   | 39.99  | 25.36        | 10.60   | 7.95 | 7.3        | 2.60            | 107.9 |
| 624      | 1/3/2011 4:01  | 8.93   | 40.00  | 25.37        | 10.58   | 7.96 | 6.8        | 2.57            | 107.6 |
| 625      | 1/3/2011 4:16  | 8.97   | 39.87  | 25.28        | 10.57   | 7.96 | 6.6        | 2.57            | 107.6 |
| 626      | 1/3/2011 4:31  | 8.99   | 40.05  | 25.41        | 10.54   | 7.97 | 6.0        | 2.56            | 107.4 |
| 627      | 1/3/2011 4:46  | 9.07   | 40.45  | 25.69        | 10.54   | 7.97 | 7.1        | 2.57            | 107.8 |
| 628      | 1/3/2011 5:01  | 9.10   | 40.43  | 25.68        | 10.61   | 7.96 | 7.6        | 2.61            | 108.5 |
| 629      | 1/3/2011 5:16  | 9.12   | 40.53  | 25.75        | 10.63   | 7.97 | 9.5        | 2.66            | 108.9 |
| 630      | 1/3/2011 5:31  | 9.01   | 40.22  | 25.52        | 10.65   | 7.96 | 10.6       | 2.71            | 108.6 |
| 631      | 1/3/2011 5:46  | 9.10   | 40.67  | 25.85        | 10.64   | 7.97 | 11.0       | 2.77            | 109.0 |
| 632      | 1/3/2011 6:01  | 9.31   | 41.34  | 26.33        | 10.65   | 7.99 | 13.5       | 2.84            | 109.9 |
| 633      | 1/3/2011 6:16  | 9.30   | 41.43  | 26.39        | 10.65   | 7.99 | 11.9       | 2.91            | 110.0 |
| 634      | 1/3/2011 6:31  | 9.24   | 41.34  | 26.32        | 10.66   | 7.98 | 11.8       | 2.99            | 109.8 |
| 635      | 1/3/2011 6:46  | 9.21   | 41.50  | 26.43        | 10.67   | 7.99 | 10.6       | 3.07            | 110.0 |
| 636      | 1/3/2011 7:01  | 9.33   | 42.18  | 26.92        | 10.68   | 8.01 | 10.1       | 3.15            | 110.7 |
| 637      | 1/3/2011 7:16  | 9.33   | 42.32  | 27.02        | 10.70   | 8.01 | 10.7       | 3.24            | 111.0 |
| 638      | 1/3/2011 7:31  | 9.49   | 42.97  | 27.49        | 10.68   | 8.03 | 8.9        | 3.32            | 111.5 |
| 639      | 1/3/2011 7:46  | 9.90   | 44.20  | 28.38        | 10.63   | 8.04 | 15.5       | 3.41            | 112.7 |
| 640      | 1/3/2011 8:01  | 9.95   | 44.39  | 28.52        | 10.63   | 8.05 | 19.6       | 3.50            | 112.9 |
| 641      | 1/3/2011 8:16  | 9.95   | 44.41  | 28.53        | 10.63   | 8.05 | 17.5       | 3.59            | 112.9 |
| 642      | 1/3/2011 8:31  | 9.95   | 44.53  | 28.62        | 10.62   | 8.06 | 18.6       | 3.67            | 112.8 |
| 643      | 1/3/2011 8:46  | 9.94   | 44.69  | 28.73        | 10.59   | 8.06 | 19.2       | 3.76            | 112.6 |
| 644      | 1/3/2011 9:01  | 9.98   | 45.03  | 28.97        | 10.58   | 8.06 | 17.2       | 3.84            | 112.8 |
| 645      | 1/3/2011 9:16  | 10.00  | 45.26  | 29.14        | 10.57   | 8.06 | 16.1       | 3.92            | 112.8 |
| 646      | 1/3/2011 9:31  | 10.04  | 45.62  | 29.40        | 10.55   | 8.07 | 14.4       | 3.99            | 112.9 |
| 647      | 1/3/2011 9:46  | 10.10  | 45.93  | 29.62        | 10.51   | 8.08 | 13.1       | 4.05            | 112.8 |



sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 648      | 1/3/2011 10:01 | 10.14  | 46.16  | 29.79        | 10.49   | 8.08 | 12.1       | 4.11   | 112.7 |
| 649      | 1/3/2011 10:16 | 10.16  | 46.28  | 29.88        | 10.48   | 8.08 | 9.6        | 4.15   | 112.8 |
| 650      | 1/3/2011 10:31 | 10.18  | 46.38  | 29.95        | 10.41   | 8.08 | 6.5        | 4.17   | 112.1 |
| 651      | 1/3/2011 10:46 | 10.19  | 46.41  | 29.97        | 10.32   | 8.08 | 4.9        | 4.20   | 111.1 |
| 652      | 1/3/2011 11:01 | 10.19  | 46.43  | 29.98        | 10.44   | 8.08 | 8.5        | 4.17   | 112.5 |
| 653      | 1/3/2011 11:16 | 10.17  | 46.33  | 29.91        | 10.49   | 8.08 | 11.4       | 4.11   | 112.9 |
| 654      | 1/3/2011 11:31 | 10.08  | 44.70  | 28.74        | 10.63   | 8.05 | 10.3       | 4.06   | 113.3 |
| 655      | 1/3/2011 11:46 | 9.97   | 44.24  | 28.41        | 10.61   | 8.05 | 7.6        | 3.97   | 112.7 |
| 656      | 1/3/2011 12:01 | 9.92   | 43.63  | 27.98        | 10.63   | 8.03 | 8.0        | 3.86   | 112.4 |
| 657      | 1/3/2011 12:16 | 9.84   | 43.26  | 27.71        | 10.64   | 8.03 | 7.6        | 3.73   | 112.1 |
| 658      | 1/3/2011 12:31 | 9.83   | 43.10  | 27.59        | 10.65   | 8.02 | 8.5        | 3.62   | 112.1 |
| 659      | 1/3/2011 12:46 | 9.74   | 43.00  | 27.52        | 10.62   | 8.03 | 12.3       | 3.50   | 111.6 |
| 660      | 1/3/2011 13:01 | 9.79   | 42.95  | 27.49        | 10.64   | 8.02 | 10.4       | 3.36   | 111.8 |
| 661      | 1/3/2011 13:16 | 9.76   | 42.29  | 27.02        | 10.68   | 8.01 | 10.3       | 3.22   | 111.9 |
| 662      | 1/3/2011 13:31 | 9.84   | 42.22  | 26.97        | 10.74   | 8.02 | 8.2        | 3.09   | 112.6 |
| 663      | 1/3/2011 13:46 | 9.76   | 41.78  | 26.66        | 10.76   | 8.01 | 8.2        | 2.96   | 112.4 |
| 664      | 1/3/2011 14:01 | 9.65   | 41.34  | 26.35        | 10.81   | 8.00 | 9.0        | 2.81   | 112.4 |
| 665      | 1/3/2011 14:16 | 9.81   | 41.55  | 26.50        | 10.78   | 8.01 | 8.7        | 2.67   | 112.6 |
| 666      | 1/3/2011 14:31 | 9.72   | 41.15  | 26.22        | 10.86   | 7.99 | 9.3        | 2.52   | 113.0 |
| 667      | 1/3/2011 14:46 | 9.63   | 41.11  | 26.18        | 10.86   | 8.00 | 12.8       | 2.36   | 112.8 |
| 668      | 1/3/2011 15:01 | 9.55   | 40.77  | 25.94        | 10.86   | 7.99 | 14.8       | 2.20   | 112.4 |
| 669      | 1/3/2011 15:16 | 9.52   | 40.51  | 25.76        | 10.90   | 7.99 | 15.3       | 2.05   | 112.6 |
| 670      | 1/3/2011 15:31 | 9.53   | 40.29  | 25.61        | 10.99   | 8.00 | 16.0       | 1.89   | 113.5 |
| 671      | 1/3/2011 15:46 | 9.39   | 39.93  | 25.34        | 10.94   | 7.98 | 16.8       | 1.74   | 112.5 |
| 672      | 1/3/2011 16:01 | 9.29   | 39.59  | 25.10        | 10.94   | 7.98 | 19.8       | 1.60   | 111.9 |
| 673      | 1/3/2011 16:16 | 9.20   | 39.24  | 24.85        | 10.92   | 7.97 | 17.5       | 1.45   | 111.4 |
| 674      | 1/3/2011 16:31 | 9.16   | 39.06  | 24.72        | 10.92   | 7.96 | 19.0       | 1.34   | 111.2 |
| 675      | 1/3/2011 16:46 | 9.11   | 38.83  | 24.56        | 10.94   | 7.95 | 25.5       | 1.24   | 111.1 |
| 676      | 1/3/2011 17:01 | 9.08   | 38.77  | 24.52        | 10.90   | 7.96 | 13.6       | 1.17   | 110.6 |
| 677      | 1/3/2011 17:16 | 9.11   | 38.86  | 24.58        | 10.95   | 7.95 | 16.6       | 1.16   | 111.3 |
| 678      | 1/3/2011 17:31 | 9.10   | 38.93  | 24.63        | 10.91   | 7.95 | 12.8       | 1.19   | 110.9 |
| 679      | 1/3/2011 17:46 | 9.13   | 39.05  | 24.72        | 10.90   | 7.96 | 14.0       | 1.26   | 110.9 |
| 680      | 1/3/2011 18:01 | 9.11   | 39.12  | 24.76        | 10.89   | 7.96 | 13.9       | 1.33   | 110.8 |
| 681      | 1/3/2011 18:16 | 9.09   | 39.14  | 24.78        | 10.88   | 7.95 | 10.9       | 1.43   | 110.6 |
| 682      | 1/3/2011 18:31 | 8.99   | 37.85  | 23.88        | 10.93   | 7.94 | 10.8       | 1.52   | 110.2 |
| 683      | 1/3/2011 18:46 | 9.05   | 38.08  | 24.04        | 10.90   | 7.94 | 12.2       | 1.59   | 110.2 |
| 684      | 1/3/2011 19:01 | 9.08   | 38.24  | 24.15        | 10.87   | 7.94 | 10.8       | 1.68   | 110.0 |
| 685      | 1/3/2011 19:16 | 9.11   | 38.42  | 24.28        | 10.84   | 7.94 | 9.9        | 1.76   | 109.9 |
| 686      | 1/3/2011 19:31 | 9.13   | 38.61  | 24.41        | 10.81   | 7.94 | 9.6        | 1.84   | 109.8 |
| 687      | 1/3/2011 19:46 | 9.14   | 38.52  | 24.35        | 10.82   | 7.93 | 9.8        | 1.95   | 109.9 |
| 688      | 1/3/2011 20:01 | 9.22   | 39.04  | 24.71        | 10.78   | 7.94 | 10.3       | 2.03   | 109.9 |
| 689      | 1/3/2011 20:16 | 9.30   | 39.58  | 25.09        | 10.74   | 7.96 | 10.1       | 2.14   | 109.9 |
| 690      | 1/3/2011 20:31 | 9.40   | 40.26  | 25.58        | 10.68   | 7.97 | 11.5       | 2.24   | 109.9 |
| 691      | 1/3/2011 20:46 | 9.42   | 40.45  | 25.71        | 10.68   | 7.97 | 11.9       | 2.35   | 110.1 |
| 692      | 1/3/2011 21:01 | 9.46   | 40.68  | 25.87        | 10.68   | 7.97 | 13.2       | 2.46   | 110.3 |
| 693      | 1/3/2011 21:16 | 9.47   | 40.74  | 25.91        | 10.68   | 7.98 | 15.5       | 2.57   | 110.3 |
| 694      | 1/3/2011 21:31 | 9.47   | 40.92  | 26.04        | 10.68   | 7.97 | 15.3       | 2.67   | 110.5 |
| 695      | 1/3/2011 21:46 | 9.42   | 41.07  | 26.15        | 10.69   | 7.97 | 18.1       | 2.77   | 110.5 |
| 696      | 1/3/2011 22:01 | 9.52   | 41.50  | 26.45        | 10.66   | 7.99 | 21.7       | 2.87   | 110.6 |
| 697      | 1/3/2011 22:16 | 9.55   | 41.75  | 26.63        | 10.65   | 7.99 | 23.1       | 2.95   | 110.7 |
| 698      | 1/3/2011 22:31 | 9.57   | 41.94  | 26.76        | 10.64   | 8.00 | 18.7       | 3.04   | 110.8 |
| 699      | 1/3/2011 22:46 | 9.71   | 42.73  | 27.33        | 10.63   | 8.02 | 21.7       | 3.11   | 111.4 |
| 700      | 1/3/2011 23:01 | 9.82   | 43.48  | 27.86        | 10.62   | 8.03 | 19.2       | 3.19   | 112.0 |
| 701      | 1/3/2011 23:16 | 9.87   | 43.82  | 28.11        | 10.60   | 8.03 | 18.0       | 3.28   | 112.1 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------------|-------|
|          |                |        | mS/cm  |              | mg/L    |      | NTU        |              |       |
| 702      | 1/3/2011 23:31 | 9.92   | 44.10  | 28.31        | 10.58   | 8.04 | 17.1       | 3.35         | 112.1 |
| 703      | 1/3/2011 23:46 | 9.95   | 44.31  | 28.46        | 10.55   | 8.04 | 16.2       | 3.41         | 112.0 |
| 704      | 1/4/2011 0:01  | 9.98   | 44.51  | 28.60        | 10.49   | 8.04 | 14.2       | 3.46         | 111.6 |
| 705      | 1/4/2011 0:16  | 10.03  | 44.82  | 28.83        | 10.46   | 8.05 | 11.1       | 3.51         | 111.5 |
| 706      | 1/4/2011 0:31  | 10.06  | 44.96  | 28.93        | 10.41   | 8.05 | 7.7        | 3.52         | 111.1 |
| 707      | 1/4/2011 0:46  | 10.04  | 44.81  | 28.82        | 10.47   | 8.05 | 10.4       | 3.53         | 111.6 |
| 708      | 1/4/2011 1:01  | 10.05  | 44.85  | 28.85        | 10.47   | 8.04 | 12.2       | 3.51         | 111.7 |
| 709      | 1/4/2011 1:16  | 9.90   | 44.05  | 28.27        | 10.51   | 8.05 | 10.6       | 3.46         | 111.3 |
| 710      | 1/4/2011 1:31  | 9.65   | 43.37  | 27.78        | 10.46   | 8.01 | 13.9       | 3.41         | 109.9 |
| 711      | 1/4/2011 1:46  | 9.62   | 43.13  | 27.60        | 10.48   | 8.02 | 12.5       | 3.34         | 109.8 |
| 712      | 1/4/2011 2:01  | 9.68   | 43.24  | 27.69        | 10.53   | 8.03 | 13.9       | 3.25         | 110.5 |
| 713      | 1/4/2011 2:16  | 9.42   | 42.35  | 27.04        | 10.56   | 8.01 | 12.8       | 3.18         | 109.8 |
| 714      | 1/4/2011 2:31  | 9.33   | 42.19  | 26.92        | 10.53   | 8.00 | 8.4        | 3.10         | 109.2 |
| 715      | 1/4/2011 2:46  | 9.34   | 42.19  | 26.92        | 10.52   | 8.00 | 8.5        | 3.02         | 109.1 |
| 716      | 1/4/2011 3:01  | 9.28   | 42.03  | 26.81        | 10.54   | 7.99 | 8.2        | 2.96         | 109.1 |
| 717      | 1/4/2011 3:16  | 9.12   | 41.32  | 26.30        | 10.61   | 7.98 | 8.4        | 2.90         | 109.0 |
| 718      | 1/4/2011 3:31  | 9.12   | 41.35  | 26.32        | 10.58   | 7.98 | 7.8        | 2.84         | 108.8 |
| 719      | 1/4/2011 3:46  | 9.02   | 40.85  | 25.97        | 10.62   | 7.98 | 7.9        | 2.79         | 108.7 |
| 720      | 1/4/2011 4:01  | 8.97   | 40.90  | 26.00        | 10.57   | 7.98 | 6.8        | 2.73         | 108.1 |
| 721      | 1/4/2011 4:16  | 8.90   | 40.94  | 26.02        | 10.53   | 7.97 | 6.8        | 2.69         | 107.5 |
| 722      | 1/4/2011 4:31  | 8.87   | 40.65  | 25.82        | 10.57   | 7.96 | 6.4        | 2.66         | 107.7 |
| 723      | 1/4/2011 4:46  | 8.87   | 40.63  | 25.80        | 10.52   | 7.96 | 6.5        | 2.62         | 107.1 |
| 724      | 1/4/2011 5:01  | 8.85   | 40.51  | 25.72        | 10.50   | 7.97 | 6.0        | 2.62         | 106.9 |
| 725      | 1/4/2011 5:16  | 8.96   | 40.83  | 25.95        | 10.40   | 7.97 | 5.2        | 2.60         | 106.3 |
| 726      | 1/4/2011 5:31  | 8.89   | 40.69  | 25.85        | 10.54   | 7.97 | 6.5        | 2.61         | 107.4 |
| 727      | 1/4/2011 5:46  | 9.03   | 41.07  | 26.12        | 10.46   | 7.97 | 6.8        | 2.63         | 107.2 |
| 728      | 1/4/2011 6:01  | 9.11   | 41.16  | 26.19        | 10.52   | 7.98 | 7.1        | 2.67         | 108.0 |
| 729      | 1/4/2011 6:16  | 9.03   | 41.07  | 26.12        | 10.54   | 7.97 | 8.4        | 2.71         | 107.9 |
| 730      | 1/4/2011 6:31  | 9.00   | 40.97  | 26.05        | 10.58   | 7.96 | 8.0        | 2.80         | 108.3 |
| 731      | 1/4/2011 6:46  | 9.26   | 41.68  | 26.56        | 10.55   | 7.99 | 9.5        | 2.84         | 108.9 |
| 732      | 1/4/2011 7:01  | 9.29   | 42.04  | 26.81        | 10.53   | 7.99 | 9.6        | 2.91         | 109.0 |
| 733      | 1/4/2011 7:16  | 9.29   | 42.19  | 26.92        | 10.53   | 8.00 | 9.7        | 2.98         | 109.1 |
| 734      | 1/4/2011 7:31  | 9.35   | 42.55  | 27.18        | 10.51   | 8.00 | 10.1       | 3.07         | 109.2 |
| 735      | 1/4/2011 7:46  | 9.52   | 43.02  | 27.52        | 10.51   | 8.02 | 13.7       | 3.16         | 109.8 |
| 736      | 1/4/2011 8:01  | 9.47   | 43.19  | 27.64        | 10.53   | 8.02 | 8.0        | 3.24         | 110.1 |
| 737      | 1/4/2011 8:16  | 9.50   | 43.38  | 27.77        | 10.54   | 8.02 | 8.4        | 3.33         | 110.3 |
| 738      | 1/4/2011 8:31  | 9.84   | 44.49  | 28.58        | 10.47   | 8.04 | 11.7       | 3.42         | 111.0 |
| 739      | 1/4/2011 8:46  | 9.88   | 44.77  | 28.78        | 10.44   | 8.04 | 15.9       | 3.53         | 110.9 |
| 740      | 1/4/2011 9:01  | 9.88   | 44.83  | 28.83        | 10.47   | 8.05 | 14.5       | 3.61         | 111.2 |
| 741      | 1/4/2011 9:16  | 9.88   | 44.89  | 28.87        | 10.48   | 8.05 | 12.8       | 3.69         | 111.3 |
| 742      | 1/4/2011 9:31  | 9.86   | 45.10  | 29.02        | 10.49   | 8.06 | 13.4       | 3.80         | 111.5 |
| 743      | 1/4/2011 9:46  | 9.89   | 45.44  | 29.26        | 10.48   | 8.06 | 13.7       | 3.85         | 111.6 |
| 744      | 1/4/2011 10:01 | 9.90   | 45.68  | 29.44        | 10.49   | 8.07 | 12.4       | 3.96         | 111.9 |
| 745      | 1/4/2011 10:16 | 9.97   | 46.14  | 29.77        | 10.50   | 8.07 | 12.6       | 4.03         | 112.5 |
| 746      | 1/4/2011 10:31 | 10.01  | 46.43  | 29.97        | 10.53   | 8.08 | 9.9        | 4.07         | 113.0 |
| 747      | 1/4/2011 10:46 | 10.03  | 46.54  | 30.06        | 10.53   | 8.08 | 7.3        | 4.13         | 113.1 |
| 748      | 1/4/2011 11:01 | 10.03  | 46.64  | 30.13        | 10.49   | 8.08 | 5.8        | 4.17         | 112.7 |
| 749      | 1/4/2011 11:16 | 10.03  | 46.65  | 30.14        | 10.40   | 8.08 | 3.9        | 4.17         | 111.7 |
| 750      | 1/4/2011 11:31 | 10.02  | 46.59  | 30.09        | 10.47   | 8.08 | 7.5        | 4.18         | 112.5 |
| 751      | 1/4/2011 11:46 | 10.02  | 46.57  | 30.07        | 10.50   | 8.07 | 7.2        | 4.14         | 112.8 |
| 752      | 1/4/2011 12:01 | 10.03  | 46.33  | 29.91        | 10.52   | 8.07 | 8.6        | 4.07         | 112.9 |
| 753      | 1/4/2011 12:16 | 10.05  | 45.14  | 29.05        | 10.55   | 8.05 | 7.0        | 4.02         | 112.7 |
| 754      | 1/4/2011 12:31 | 9.96   | 44.37  | 28.50        | 10.57   | 8.04 | 6.4        | 3.91         | 112.2 |
| 755      | 1/4/2011 12:46 | 9.90   | 44.04  | 28.27        | 10.56   | 8.03 | 7.2        | 3.81         | 111.8 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 756      | 1/4/2011 13:01 | 9.89   | 43.87  | 28.14        | 10.55   | 8.03 | 7.0        | 3.69            | 111.6 |
| 757      | 1/4/2011 13:16 | 9.84   | 44.38  | 28.50        | 10.53   | 8.04 | 10.9       | 3.58            | 111.5 |
| 758      | 1/4/2011 13:31 | 9.75   | 43.66  | 27.99        | 10.53   | 8.01 | 15.1       | 3.45            | 111.0 |
| 759      | 1/4/2011 13:46 | 9.83   | 42.96  | 27.50        | 10.62   | 8.00 | 7.9        | 3.33            | 111.7 |
| 760      | 1/4/2011 14:01 | 9.89   | 43.08  | 27.58        | 10.60   | 8.01 | 6.8        | 3.20            | 111.8 |
| 761      | 1/4/2011 14:16 | 9.74   | 42.30  | 27.02        | 10.65   | 8.01 | 7.8        | 3.05            | 111.5 |
| 762      | 1/4/2011 14:31 | 9.70   | 42.12  | 26.89        | 10.66   | 8.00 | 7.4        | 2.92            | 111.4 |
| 763      | 1/4/2011 14:46 | 9.61   | 41.98  | 26.79        | 10.66   | 8.00 | 8.7        | 2.79            | 111.1 |
| 764      | 1/4/2011 15:01 | 9.61   | 41.93  | 26.76        | 10.70   | 8.00 | 7.8        | 2.65            | 111.5 |
| 765      | 1/4/2011 15:16 | 9.50   | 41.72  | 26.61        | 10.67   | 8.00 | 10.8       | 2.50            | 110.9 |
| 766      | 1/4/2011 15:31 | 9.45   | 41.62  | 26.53        | 10.72   | 8.00 | 11.5       | 2.35            | 111.2 |
| 767      | 1/4/2011 15:46 | 9.39   | 41.40  | 26.37        | 10.78   | 7.99 | 15.3       | 2.19            | 111.6 |
| 768      | 1/4/2011 16:01 | 9.32   | 41.06  | 26.13        | 10.84   | 7.99 | 14.3       | 2.02            | 111.7 |
| 769      | 1/4/2011 16:16 | 9.29   | 40.89  | 26.01        | 10.80   | 7.99 | 16.4       | 1.88            | 111.2 |
| 770      | 1/4/2011 16:31 | 9.16   | 40.42  | 25.68        | 10.76   | 7.98 | 18.1       | 1.74            | 110.2 |
| 771      | 1/4/2011 16:46 | 9.04   | 40.01  | 25.38        | 10.75   | 7.96 | 16.2       | 1.59            | 109.6 |
| 772      | 1/4/2011 17:01 | 9.01   | 39.86  | 25.27        | 10.73   | 7.96 | 18.9       | 1.48            | 109.3 |
| 773      | 1/4/2011 17:16 | 8.98   | 39.71  | 25.17        | 10.69   | 7.95 | 16.2       | 1.36            | 108.7 |
| 774      | 1/4/2011 17:31 | 8.93   | 39.56  | 25.06        | 10.71   | 7.95 | 16.8       | 1.26            | 108.7 |
| 775      | 1/4/2011 17:46 | 8.96   | 39.68  | 25.14        | 10.64   | 7.94 | 14.1       | 1.23            | 108.1 |
| 776      | 1/4/2011 18:01 | 8.97   | 39.69  | 25.15        | 10.71   | 7.94 | 12.6       | 1.24            | 108.8 |
| 777      | 1/4/2011 18:16 | 8.99   | 39.74  | 25.19        | 10.72   | 7.94 | 10.4       | 1.27            | 109.0 |
| 778      | 1/4/2011 18:31 | 9.01   | 39.79  | 25.23        | 10.69   | 7.94 | 9.3        | 1.32            | 108.9 |
| 779      | 1/4/2011 18:46 | 9.02   | 39.86  | 25.27        | 10.71   | 7.94 | 9.6        | 1.43            | 109.1 |
| 780      | 1/4/2011 19:01 | 9.01   | 39.79  | 25.23        | 10.72   | 7.96 | 8.7        | 1.49            | 109.1 |
| 781      | 1/4/2011 19:16 | 8.84   | 38.85  | 24.56        | 10.77   | 7.94 | 9.3        | 1.57            | 108.7 |
| 782      | 1/4/2011 19:31 | 8.86   | 38.99  | 24.66        | 10.80   | 7.94 | 9.8        | 1.68            | 109.2 |
| 783      | 1/4/2011 19:46 | 8.88   | 38.96  | 24.64        | 10.77   | 7.94 | 9.5        | 1.74            | 108.9 |
| 784      | 1/4/2011 20:01 | 8.93   | 39.23  | 24.83        | 10.74   | 7.93 | 9.8        | 1.83            | 108.9 |
| 785      | 1/4/2011 20:16 | 8.96   | 39.36  | 24.93        | 10.72   | 7.93 | 8.4        | 1.91            | 108.8 |
| 786      | 1/4/2011 20:31 | 8.98   | 39.40  | 24.95        | 10.73   | 7.95 | 8.7        | 2.01            | 109.0 |
| 787      | 1/4/2011 20:46 | 9.10   | 40.01  | 25.38        | 10.68   | 7.96 | 9.3        | 2.11            | 109.0 |
| 788      | 1/4/2011 21:01 | 9.24   | 40.81  | 25.95        | 10.62   | 7.97 | 10.9       | 2.22            | 109.1 |
| 789      | 1/4/2011 21:16 | 9.33   | 41.26  | 26.27        | 10.59   | 7.98 | 10.7       | 2.33            | 109.4 |
| 790      | 1/4/2011 21:31 | 9.37   | 41.42  | 26.39        | 10.58   | 7.98 | 10.7       | 2.45            | 109.4 |
| 791      | 1/4/2011 21:46 | 9.38   | 41.52  | 26.45        | 10.57   | 7.97 | 13.1       | 2.56            | 109.4 |
| 792      | 1/4/2011 22:01 | 9.38   | 41.51  | 26.45        | 10.58   | 7.97 | 13.5       | 2.67            | 109.5 |
| 793      | 1/4/2011 22:16 | 9.46   | 42.06  | 26.84        | 10.56   | 7.99 | 19.3       | 2.78            | 109.7 |
| 794      | 1/4/2011 22:31 | 9.47   | 42.20  | 26.94        | 10.55   | 7.98 | 18.1       | 2.88            | 109.7 |
| 795      | 1/4/2011 22:46 | 9.54   | 42.44  | 27.11        | 10.57   | 7.99 | 22.5       | 2.96            | 110.2 |
| 796      | 1/4/2011 23:01 | 9.58   | 42.64  | 27.26        | 10.58   | 7.99 | 19.8       | 3.07            | 110.5 |
| 797      | 1/4/2011 23:16 | 9.66   | 43.09  | 27.58        | 10.60   | 8.00 | 22.8       | 3.15            | 111.1 |
| 798      | 1/4/2011 23:31 | 9.76   | 43.78  | 28.08        | 10.71   | 8.01 | 19.5       | 3.23            | 112.9 |
| 799      | 1/4/2011 23:46 | 9.82   | 44.15  | 28.34        | 10.73   | 8.02 | 18.9       | 3.31            | 113.4 |
| 800      | 1/5/2011 0:01  | 9.87   | 44.44  | 28.54        | 10.72   | 8.03 | 18.5       | 3.40            | 113.7 |
| 801      | 1/5/2011 0:16  | 9.94   | 44.74  | 28.76        | 10.74   | 8.03 | 16.9       | 3.46            | 114.2 |
| 802      | 1/5/2011 0:31  | 10.01  | 45.07  | 29.01        | 10.74   | 8.05 | 15.7       | 3.52            | 114.5 |
| 803      | 1/5/2011 0:46  | 10.08  | 45.35  | 29.21        | 10.74   | 8.05 | 12.5       | 3.56            | 114.8 |
| 804      | 1/5/2011 1:01  | 10.13  | 45.55  | 29.35        | 10.71   | 8.06 | 9.7        | 3.60            | 114.8 |
| 805      | 1/5/2011 1:16  | 10.14  | 45.58  | 29.37        | 10.68   | 8.05 | 8.1        | 3.61            | 114.5 |
| 806      | 1/5/2011 1:31  | 10.15  | 45.63  | 29.41        | 10.76   | 8.05 | 11.0       | 3.60            | 115.4 |
| 807      | 1/5/2011 1:46  | 10.08  | 45.20  | 29.10        | 10.73   | 8.04 | 9.9        | 3.54            | 114.7 |
| 808      | 1/5/2011 2:01  | 9.76   | 44.04  | 28.26        | 10.73   | 8.04 | 11.6       | 3.49            | 113.2 |
| 809      | 1/5/2011 2:16  | 9.73   | 43.91  | 28.17        | 10.62   | 8.03 | 12.6       | 3.42            | 112.0 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 810      | 1/5/2011 2:31  | 9.75   | 43.91  | 28.16        | 10.62   | 8.02 | 13.9       | 3.34   | 112.0 |
| 811      | 1/5/2011 2:46  | 9.49   | 43.07  | 27.55        | 10.61   | 8.01 | 15.7       | 3.26   | 110.8 |
| 812      | 1/5/2011 3:01  | 9.33   | 42.60  | 27.21        | 10.57   | 8.00 | 11.5       | 3.18   | 109.8 |
| 813      | 1/5/2011 3:16  | 9.37   | 42.72  | 27.30        | 10.53   | 7.99 | 7.6        | 3.10   | 109.5 |
| 814      | 1/5/2011 3:31  | 9.37   | 42.79  | 27.35        | 10.52   | 8.00 | 7.1        | 3.04   | 109.4 |
| 815      | 1/5/2011 3:46  | 9.24   | 42.24  | 26.95        | 10.54   | 7.98 | 7.9        | 2.97   | 109.0 |
| 816      | 1/5/2011 4:01  | 9.23   | 42.16  | 26.90        | 10.52   | 7.98 | 8.1        | 2.89   | 108.8 |
| 817      | 1/5/2011 4:16  | 9.18   | 42.12  | 26.87        | 10.53   | 7.97 | 6.9        | 2.83   | 108.7 |
| 818      | 1/5/2011 4:31  | 9.07   | 41.94  | 26.73        | 10.49   | 7.98 | 6.3        | 2.77   | 108.0 |
| 819      | 1/5/2011 4:46  | 8.98   | 41.54  | 26.45        | 10.52   | 7.97 | 6.1        | 2.71   | 107.8 |
| 820      | 1/5/2011 5:01  | 8.95   | 41.51  | 26.43        | 10.50   | 7.97 | 6.1        | 2.66   | 107.5 |
| 821      | 1/5/2011 5:16  | 8.89   | 41.17  | 26.18        | 10.51   | 7.96 | 6.0        | 2.63   | 107.3 |
| 822      | 1/5/2011 5:31  | 8.85   | 41.12  | 26.14        | 10.48   | 7.96 | 5.9        | 2.59   | 107.0 |
| 823      | 1/5/2011 5:46  | 8.84   | 41.05  | 26.09        | 10.49   | 7.97 | 5.4        | 2.56   | 107.0 |
| 824      | 1/5/2011 6:01  | 9.05   | 41.54  | 26.45        | 10.44   | 7.98 | 5.9        | 2.57   | 107.2 |
| 825      | 1/5/2011 6:16  | 8.74   | 41.00  | 26.05        | 10.47   | 7.96 | 6.1        | 2.59   | 106.5 |
| 826      | 1/5/2011 6:31  | 8.98   | 41.43  | 26.37        | 10.47   | 7.97 | 6.1        | 2.60   | 107.3 |
| 827      | 1/5/2011 6:46  | 9.13   | 41.63  | 26.52        | 10.48   | 7.96 | 6.6        | 2.65   | 107.9 |
| 828      | 1/5/2011 7:01  | 9.07   | 41.74  | 26.60        | 10.49   | 7.97 | 7.3        | 2.69   | 107.9 |
| 829      | 1/5/2011 7:16  | 8.88   | 41.25  | 26.24        | 10.53   | 7.97 | 7.5        | 2.76   | 107.6 |
| 830      | 1/5/2011 7:31  | 9.22   | 42.03  | 26.81        | 10.51   | 7.99 | 9.2        | 2.82   | 108.6 |
| 831      | 1/5/2011 7:46  | 9.29   | 42.32  | 27.01        | 10.51   | 7.99 | 9.5        | 2.89   | 108.9 |
| 832      | 1/5/2011 8:01  | 9.22   | 42.31  | 27.00        | 10.52   | 7.98 | 7.8        | 2.97   | 108.8 |
| 833      | 1/5/2011 8:16  | 9.37   | 42.80  | 27.35        | 10.54   | 8.00 | 8.7        | 3.06   | 109.7 |
| 834      | 1/5/2011 8:31  | 9.55   | 43.43  | 27.81        | 10.59   | 8.01 | 10.4       | 3.12   | 110.9 |
| 835      | 1/5/2011 8:46  | 9.50   | 43.49  | 27.86        | 10.60   | 8.02 | 7.9        | 3.21   | 111.0 |
| 836      | 1/5/2011 9:01  | 9.54   | 43.72  | 28.02        | 10.63   | 8.02 | 7.5        | 3.29   | 111.5 |
| 837      | 1/5/2011 9:16  | 9.69   | 44.21  | 28.37        | 10.60   | 8.03 | 7.6        | 3.37   | 111.9 |
| 838      | 1/5/2011 9:31  | 9.91   | 44.92  | 28.89        | 10.62   | 8.02 | 12.7       | 3.46   | 112.9 |
| 839      | 1/5/2011 9:46  | 9.94   | 45.06  | 28.99        | 10.63   | 8.04 | 13.2       | 3.54   | 113.2 |
| 840      | 1/5/2011 10:01 | 9.94   | 45.12  | 29.03        | 10.64   | 8.04 | 11.3       | 3.64   | 113.3 |
| 841      | 1/5/2011 10:16 | 9.98   | 45.36  | 29.21        | 10.63   | 8.05 | 12.6       | 3.73   | 113.4 |
| 842      | 1/5/2011 10:31 | 10.01  | 45.65  | 29.42        | 10.63   | 8.05 | 11.3       | 3.80   | 113.7 |
| 843      | 1/5/2011 10:46 | 10.05  | 45.86  | 29.57        | 10.61   | 8.05 | 12.6       | 3.89   | 113.7 |
| 844      | 1/5/2011 11:01 | 10.12  | 46.26  | 29.86        | 10.59   | 8.05 | 13.6       | 3.95   | 113.8 |
| 845      | 1/5/2011 11:16 | 10.18  | 46.55  | 30.07        | 10.54   | 8.06 | 11.1       | 4.01   | 113.6 |
| 846      | 1/5/2011 11:31 | 10.23  | 46.71  | 30.19        | 10.50   | 8.06 | 9.3        | 4.06   | 113.4 |
| 847      | 1/5/2011 11:46 | 10.27  | 46.92  | 30.34        | 10.46   | 8.06 | 7.7        | 4.08   | 113.2 |
| 848      | 1/5/2011 12:01 | 10.27  | 46.96  | 30.37        | 10.38   | 8.06 | 4.5        | 4.08   | 112.3 |
| 849      | 1/5/2011 12:16 | 10.27  | 46.94  | 30.35        | 10.45   | 8.06 | 8.4        | 4.06   | 113.1 |
| 850      | 1/5/2011 12:31 | 10.26  | 46.94  | 30.36        | 10.49   | 8.06 | 10.9       | 4.02   | 113.5 |
| 851      | 1/5/2011 12:46 | 10.26  | 45.31  | 29.19        | 10.73   | 8.05 | 14.2       | 3.98   | 115.2 |
| 852      | 1/5/2011 13:01 | 10.25  | 45.27  | 29.16        | 10.72   | 8.05 | 6.7        | 3.89   | 115.0 |
| 853      | 1/5/2011 13:16 | 10.14  | 44.57  | 28.65        | 10.70   | 8.03 | 6.8        | 3.77   | 114.2 |
| 854      | 1/5/2011 13:31 | 10.10  | 44.73  | 28.76        | 10.69   | 8.04 | 8.0        | 3.68   | 114.1 |
| 855      | 1/5/2011 13:46 | 10.00  | 44.76  | 28.79        | 10.65   | 8.04 | 14.4       | 3.57   | 113.4 |
| 856      | 1/5/2011 14:01 | 9.97   | 43.86  | 28.14        | 10.65   | 8.02 | 11.0       | 3.44   | 112.9 |
| 857      | 1/5/2011 14:16 | 10.02  | 43.09  | 27.60        | 10.72   | 8.01 | 9.1        | 3.32   | 113.4 |
| 858      | 1/5/2011 14:31 | 10.13  | 43.54  | 27.93        | 10.72   | 8.02 | 7.0        | 3.21   | 113.8 |
| 859      | 1/5/2011 14:46 | 10.00  | 43.38  | 27.81        | 10.75   | 8.02 | 7.4        | 3.06   | 113.8 |
| 860      | 1/5/2011 15:01 | 9.96   | 42.82  | 27.40        | 10.79   | 8.01 | 7.4        | 2.92   | 113.8 |
| 861      | 1/5/2011 15:16 | 10.01  | 43.00  | 27.54        | 10.78   | 8.01 | 7.1        | 2.82   | 113.9 |
| 862      | 1/5/2011 15:31 | 9.95   | 42.82  | 27.41        | 10.79   | 8.01 | 7.1        | 2.67   | 113.8 |
| 863      | 1/5/2011 15:46 | 9.73   | 42.31  | 27.03        | 10.84   | 8.00 | 8.5        | 2.53   | 113.5 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 864      | 1/5/2011 16:01 | 9.65   | 42.25  | 26.99        | 10.95   | 8.01 | 9.0        | 2.39            | 114.4 |
| 865      | 1/5/2011 16:16 | 9.65   | 42.19  | 26.94        | 10.97   | 8.02 | 11.4       | 2.24            | 114.5 |
| 866      | 1/5/2011 16:31 | 9.47   | 41.74  | 26.61        | 10.93   | 8.00 | 14.5       | 2.09            | 113.4 |
| 867      | 1/5/2011 16:46 | 9.43   | 41.62  | 26.53        | 10.95   | 8.00 | 14.5       | 1.94            | 113.5 |
| 868      | 1/5/2011 17:01 | 9.35   | 41.33  | 26.32        | 10.86   | 7.99 | 14.8       | 1.79            | 112.2 |
| 869      | 1/5/2011 17:16 | 9.24   | 40.91  | 26.02        | 10.83   | 7.98 | 14.8       | 1.66            | 111.4 |
| 870      | 1/5/2011 17:31 | 9.20   | 40.72  | 25.89        | 10.82   | 7.98 | 13.1       | 1.54            | 111.1 |
| 871      | 1/5/2011 17:46 | 9.11   | 40.43  | 25.67        | 10.84   | 7.97 | 12.6       | 1.41            | 110.9 |
| 872      | 1/5/2011 18:01 | 9.10   | 40.32  | 25.60        | 10.82   | 7.96 | 11.3       | 1.33            | 110.6 |
| 873      | 1/5/2011 18:16 | 9.03   | 40.19  | 25.51        | 10.81   | 7.97 | 8.6        | 1.29            | 110.3 |
| 874      | 1/5/2011 18:31 | 9.10   | 40.33  | 25.61        | 10.80   | 7.96 | 9.8        | 1.24            | 110.5 |
| 875      | 1/5/2011 18:46 | 9.10   | 40.39  | 25.65        | 10.81   | 7.97 | 8.9        | 1.31            | 110.6 |
| 876      | 1/5/2011 19:01 | 9.12   | 40.47  | 25.70        | 10.82   | 7.96 | 8.7        | 1.38            | 110.8 |
| 877      | 1/5/2011 19:16 | 9.12   | 40.51  | 25.73        | 10.82   | 7.97 | 8.2        | 1.44            | 110.8 |
| 878      | 1/5/2011 19:31 | 9.12   | 40.55  | 25.76        | 10.82   | 7.97 | 7.3        | 1.51            | 110.8 |
| 879      | 1/5/2011 19:46 | 8.95   | 39.66  | 25.13        | 10.87   | 7.95 | 9.1        | 1.60            | 110.4 |
| 880      | 1/5/2011 20:01 | 9.01   | 39.63  | 25.12        | 10.88   | 7.95 | 8.7        | 1.68            | 110.7 |
| 881      | 1/5/2011 20:16 | 9.04   | 39.62  | 25.11        | 10.85   | 7.93 | 9.0        | 1.77            | 110.5 |
| 882      | 1/5/2011 20:31 | 9.07   | 39.79  | 25.23        | 10.83   | 7.94 | 8.7        | 1.84            | 110.4 |
| 883      | 1/5/2011 20:46 | 9.07   | 39.78  | 25.22        | 10.83   | 7.95 | 8.2        | 1.93            | 110.4 |
| 884      | 1/5/2011 21:01 | 9.08   | 39.78  | 25.22        | 10.84   | 7.94 | 8.1        | 2.02            | 110.5 |
| 885      | 1/5/2011 21:16 | 9.17   | 40.29  | 25.59        | 10.80   | 7.96 | 8.4        | 2.11            | 110.6 |
| 886      | 1/5/2011 21:31 | 9.29   | 41.09  | 26.15        | 10.72   | 7.97 | 8.8        | 2.23            | 110.5 |
| 887      | 1/5/2011 21:46 | 9.42   | 41.76  | 26.63        | 10.67   | 7.97 | 9.9        | 2.34            | 110.6 |
| 888      | 1/5/2011 22:01 | 9.45   | 41.84  | 26.69        | 10.65   | 7.97 | 9.9        | 2.45            | 110.5 |
| 889      | 1/5/2011 22:16 | 9.46   | 41.98  | 26.79        | 10.65   | 7.99 | 11.3       | 2.56            | 110.6 |
| 890      | 1/5/2011 22:31 | 9.45   | 42.03  | 26.82        | 10.66   | 7.99 | 12.1       | 2.67            | 110.7 |
| 891      | 1/5/2011 22:46 | 9.52   | 42.43  | 27.10        | 10.65   | 7.99 | 13.9       | 2.78            | 111.0 |
| 892      | 1/5/2011 23:01 | 9.53   | 42.59  | 27.22        | 10.64   | 7.99 | 14.6       | 2.87            | 111.0 |
| 893      | 1/5/2011 23:16 | 9.62   | 42.89  | 27.43        | 10.64   | 8.00 | 17.0       | 2.96            | 111.4 |
| 894      | 1/5/2011 23:31 | 9.67   | 43.14  | 27.62        | 10.65   | 8.00 | 16.4       | 3.06            | 111.8 |
| 895      | 1/5/2011 23:46 | 9.72   | 43.38  | 27.79        | 10.64   | 8.01 | 15.2       | 3.14            | 111.9 |
| 896      | 1/6/2011 0:01  | 9.87   | 44.45  | 28.55        | 10.69   | 8.03 | 17.3       | 3.22            | 113.4 |
| 897      | 1/6/2011 0:16  | 9.93   | 44.82  | 28.82        | 10.70   | 8.03 | 15.0       | 3.29            | 113.7 |
| 898      | 1/6/2011 0:31  | 9.98   | 45.09  | 29.02        | 10.68   | 8.03 | 15.1       | 3.38            | 113.8 |
| 899      | 1/6/2011 0:46  | 10.02  | 45.33  | 29.19        | 10.64   | 8.03 | 14.9       | 3.43            | 113.7 |
| 900      | 1/6/2011 1:01  | 10.06  | 45.60  | 29.38        | 10.54   | 8.02 | 13.5       | 3.48            | 112.8 |
| 901      | 1/6/2011 1:16  | 10.09  | 45.85  | 29.57        | 10.48   | 8.02 | 9.8        | 3.53            | 112.4 |
| 902      | 1/6/2011 1:31  | 10.11  | 46.00  | 29.68        | 10.45   | 8.04 | 8.5        | 3.57            | 112.1 |
| 903      | 1/6/2011 1:46  | 10.12  | 46.07  | 29.72        | 10.32   | 8.03 | 4.9        | 3.58            | 110.9 |
| 904      | 1/6/2011 2:01  | 10.12  | 46.07  | 29.72        | 10.45   | 8.04 | 8.7        | 3.57            | 112.2 |
| 905      | 1/6/2011 2:16  | 10.09  | 45.86  | 29.57        | 10.46   | 8.04 | 8.4        | 3.54            | 112.2 |
| 906      | 1/6/2011 2:31  | 10.03  | 45.42  | 29.26        | 10.50   | 8.03 | 10.1       | 3.49            | 112.2 |
| 907      | 1/6/2011 2:46  | 9.54   | 43.93  | 28.17        | 10.56   | 8.01 | 10.2       | 3.43            | 110.9 |
| 908      | 1/6/2011 3:01  | 9.69   | 44.33  | 28.46        | 10.58   | 8.02 | 10.4       | 3.34            | 111.6 |
| 909      | 1/6/2011 3:16  | 9.56   | 43.69  | 27.99        | 10.60   | 8.01 | 13.5       | 3.26            | 111.2 |
| 910      | 1/6/2011 3:31  | 9.41   | 43.27  | 27.69        | 10.63   | 8.00 | 8.8        | 3.18            | 110.9 |
| 911      | 1/6/2011 3:46  | 9.44   | 43.41  | 27.79        | 10.58   | 8.00 | 7.4        | 3.11            | 110.6 |
| 912      | 1/6/2011 4:01  | 9.39   | 43.24  | 27.67        | 10.58   | 8.00 | 7.1        | 3.02            | 110.4 |
| 913      | 1/6/2011 4:16  | 9.27   | 42.91  | 27.43        | 10.63   | 7.99 | 7.4        | 2.95            | 110.4 |
| 914      | 1/6/2011 4:31  | 9.08   | 42.18  | 26.91        | 10.67   | 7.98 | 7.1        | 2.86            | 110.0 |
| 915      | 1/6/2011 4:46  | 9.07   | 42.07  | 26.83        | 10.67   | 7.98 | 7.7        | 2.80            | 109.9 |
| 916      | 1/6/2011 5:01  | 9.04   | 42.28  | 26.97        | 10.64   | 7.98 | 7.2        | 2.72            | 109.6 |
| 917      | 1/6/2011 5:16  | 8.96   | 42.02  | 26.78        | 10.64   | 7.98 | 7.3        | 2.66            | 109.3 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 918      | 1/6/2011 5:31  | 8.93   | 41.90  | 26.70        | 10.63   | 7.97 | 7.1        | 2.64            | 109.1 |
| 919      | 1/6/2011 5:46  | 8.89   | 41.71  | 26.56        | 10.64   | 7.97 | 6.7        | 2.57            | 109.0 |
| 920      | 1/6/2011 6:01  | 8.84   | 41.55  | 26.45        | 10.64   | 7.97 | 6.3        | 2.50            | 108.8 |
| 921      | 1/6/2011 6:16  | 8.87   | 41.47  | 26.39        | 10.59   | 7.97 | 5.9        | 2.48            | 108.3 |
| 922      | 1/6/2011 6:31  | 8.89   | 41.40  | 26.35        | 10.59   | 7.97 | 5.4        | 2.47            | 108.3 |
| 923      | 1/6/2011 6:46  | 8.94   | 41.80  | 26.63        | 10.50   | 7.97 | 5.4        | 2.45            | 107.7 |
| 924      | 1/6/2011 7:01  | 8.77   | 41.43  | 26.36        | 10.60   | 7.96 | 5.6        | 2.49            | 108.1 |
| 925      | 1/6/2011 7:16  | 8.78   | 41.57  | 26.46        | 10.57   | 7.96 | 5.9        | 2.51            | 107.9 |
| 926      | 1/6/2011 7:31  | 9.05   | 41.91  | 26.71        | 10.59   | 7.97 | 6.3        | 2.54            | 109.0 |
| 927      | 1/6/2011 7:46  | 9.05   | 42.04  | 26.80        | 10.59   | 7.97 | 7.1        | 2.63            | 109.0 |
| 928      | 1/6/2011 8:01  | 8.77   | 41.36  | 26.31        | 10.66   | 7.95 | 7.6        | 2.66            | 108.6 |
| 929      | 1/6/2011 8:16  | 9.24   | 42.52  | 27.15        | 10.59   | 7.98 | 8.6        | 2.74            | 109.7 |
| 930      | 1/6/2011 8:31  | 9.30   | 42.83  | 27.37        | 10.57   | 7.99 | 8.5        | 2.83            | 109.8 |
| 931      | 1/6/2011 8:46  | 9.27   | 42.85  | 27.39        | 10.57   | 7.99 | 7.8        | 2.89            | 109.8 |
| 932      | 1/6/2011 9:01  | 9.32   | 43.18  | 27.62        | 10.56   | 8.00 | 8.2        | 2.97            | 109.9 |
| 933      | 1/6/2011 9:16  | 9.36   | 43.30  | 27.71        | 10.57   | 8.00 | 8.5        | 3.06            | 110.2 |
| 934      | 1/6/2011 9:31  | 9.46   | 43.66  | 27.97        | 10.60   | 8.01 | 7.1        | 3.13            | 110.9 |
| 935      | 1/6/2011 9:46  | 9.59   | 44.09  | 28.28        | 10.57   | 8.01 | 6.0        | 3.22            | 111.1 |
| 936      | 1/6/2011 10:01 | 9.80   | 44.96  | 28.91        | 10.46   | 8.02 | 7.5        | 3.29            | 111.0 |
| 937      | 1/6/2011 10:16 | 9.90   | 45.46  | 29.28        | 10.42   | 8.03 | 10.9       | 3.37            | 111.0 |
| 938      | 1/6/2011 10:31 | 9.92   | 45.54  | 29.33        | 10.42   | 8.03 | 8.8        | 3.44            | 111.1 |
| 939      | 1/6/2011 10:46 | 9.96   | 45.71  | 29.46        | 10.41   | 8.03 | 10.7       | 3.52            | 111.2 |
| 940      | 1/6/2011 11:01 | 9.97   | 45.75  | 29.49        | 10.39   | 8.03 | 8.5        | 3.63            | 111.1 |
| 941      | 1/6/2011 11:16 | 9.98   | 45.95  | 29.63        | 10.40   | 8.03 | 9.8        | 3.67            | 111.3 |
| 942      | 1/6/2011 11:31 | 10.01  | 46.18  | 29.80        | 10.39   | 8.03 | 9.9        | 3.74            | 111.3 |
| 943      | 1/6/2011 11:46 | 10.05  | 46.44  | 29.98        | 10.37   | 8.04 | 8.7        | 3.80            | 111.4 |
| 944      | 1/6/2011 12:01 | 10.10  | 46.72  | 30.19        | 10.38   | 8.04 | 9.0        | 3.87            | 111.8 |
| 945      | 1/6/2011 12:16 | 10.13  | 46.82  | 30.26        | 10.36   | 8.04 | 7.5        | 3.89            | 111.7 |
| 946      | 1/6/2011 12:31 | 10.17  | 47.00  | 30.39        | 10.30   | 8.04 | 5.4        | 3.93            | 111.3 |
| 947      | 1/6/2011 12:46 | 10.18  | 47.02  | 30.40        | 10.26   | 8.04 | 4.5        | 3.94            | 110.8 |
| 948      | 1/6/2011 13:01 | 10.18  | 47.01  | 30.40        | 10.37   | 8.04 | 7.8        | 3.92            | 112.0 |
| 949      | 1/6/2011 13:16 | 10.17  | 47.02  | 30.40        | 10.37   | 8.05 | 7.3        | 3.87            | 112.0 |
| 950      | 1/6/2011 13:31 | 10.19  | 46.15  | 29.79        | 10.51   | 8.04 | 8.5        | 3.80            | 113.1 |
| 951      | 1/6/2011 13:46 | 10.18  | 45.41  | 29.25        | 10.62   | 8.03 | 6.7        | 3.73            | 113.9 |
| 952      | 1/6/2011 14:01 | 10.08  | 44.96  | 28.93        | 10.62   | 8.03 | 5.7        | 3.63            | 113.4 |
| 953      | 1/6/2011 14:16 | 10.02  | 45.17  | 29.08        | 10.53   | 8.03 | 11.3       | 3.54            | 112.4 |
| 954      | 1/6/2011 14:31 | 10.00  | 45.09  | 29.02        | 10.51   | 8.02 | 10.4       | 3.44            | 112.1 |
| 955      | 1/6/2011 14:46 | 10.02  | 44.54  | 28.63        | 10.63   | 8.02 | 6.9        | 3.31            | 113.2 |
| 956      | 1/6/2011 15:01 | 9.99   | 44.35  | 28.49        | 10.67   | 8.02 | 5.9        | 3.20            | 113.4 |
| 957      | 1/6/2011 15:16 | 9.89   | 43.93  | 28.19        | 10.72   | 8.01 | 7.3        | 3.07            | 113.4 |
| 958      | 1/6/2011 15:31 | 10.04  | 44.66  | 28.72        | 10.65   | 8.03 | 6.4        | 2.94            | 113.4 |
| 959      | 1/6/2011 15:46 | 9.80   | 43.42  | 27.82        | 10.77   | 8.01 | 6.2        | 2.83            | 113.4 |
| 960      | 1/6/2011 16:01 | 9.70   | 43.08  | 27.58        | 10.79   | 8.00 | 8.2        | 2.70            | 113.2 |
| 961      | 1/6/2011 16:16 | 9.61   | 42.89  | 27.43        | 10.86   | 8.01 | 7.9        | 2.57            | 113.7 |
| 962      | 1/6/2011 16:31 | 9.58   | 43.00  | 27.51        | 10.89   | 8.02 | 7.8        | 2.43            | 113.9 |
| 963      | 1/6/2011 16:46 | 9.41   | 42.35  | 27.04        | 10.89   | 8.00 | 8.7        | 2.30            | 113.1 |
| 964      | 1/6/2011 17:01 | 9.31   | 42.11  | 26.87        | 10.91   | 8.00 | 9.8        | 2.16            | 113.1 |
| 965      | 1/6/2011 17:16 | 9.23   | 41.89  | 26.71        | 10.93   | 8.00 | 9.6        | 2.03            | 112.9 |
| 966      | 1/6/2011 17:31 | 9.21   | 41.85  | 26.68        | 10.92   | 7.99 | 9.4        | 1.89            | 112.7 |
| 967      | 1/6/2011 17:46 | 9.15   | 41.65  | 26.54        | 10.87   | 7.99 | 10.3       | 1.76            | 112.0 |
| 968      | 1/6/2011 18:01 | 9.10   | 41.45  | 26.39        | 10.87   | 7.98 | 10.5       | 1.63            | 111.8 |
| 969      | 1/6/2011 18:16 | 9.04   | 41.16  | 26.19        | 10.88   | 7.98 | 9.3        | 1.51            | 111.6 |
| 970      | 1/6/2011 18:31 | 8.99   | 41.05  | 26.11        | 10.86   | 7.97 | 9.2        | 1.46            | 111.2 |
| 971      | 1/6/2011 18:46 | 8.95   | 40.98  | 26.05        | 10.83   | 7.97 | 9.1        | 1.38            | 110.7 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 972      | 1/6/2011 19:01 | 8.90   | 40.89  | 25.98        | 10.86   | 7.97 | 7.2        | 1.36            | 110.8 |
| 973      | 1/6/2011 19:16 | 8.96   | 41.02  | 26.08        | 10.85   | 7.97 | 7.0        | 1.36            | 110.9 |
| 974      | 1/6/2011 19:31 | 8.97   | 41.04  | 26.10        | 10.86   | 7.96 | 6.5        | 1.40            | 111.0 |
| 975      | 1/6/2011 19:46 | 9.00   | 41.13  | 26.16        | 10.84   | 7.98 | 6.4        | 1.44            | 111.0 |
| 976      | 1/6/2011 20:01 | 9.01   | 41.17  | 26.19        | 10.86   | 7.97 | 6.4        | 1.51            | 111.2 |
| 977      | 1/6/2011 20:16 | 8.99   | 41.10  | 26.14        | 10.86   | 7.98 | 6.1        | 1.58            | 111.2 |
| 978      | 1/6/2011 20:31 | 8.85   | 40.29  | 25.57        | 10.93   | 7.96 | 6.7        | 1.67            | 111.1 |
| 979      | 1/6/2011 20:46 | 8.82   | 40.12  | 25.44        | 10.95   | 7.95 | 6.9        | 1.77            | 111.2 |
| 980      | 1/6/2011 21:01 | 8.94   | 40.56  | 25.76        | 10.89   | 7.96 | 6.6        | 1.87            | 111.1 |
| 981      | 1/6/2011 21:16 | 8.92   | 40.32  | 25.59        | 10.91   | 7.95 | 6.6        | 1.95            | 111.1 |
| 982      | 1/6/2011 21:31 | 9.01   | 40.81  | 25.94        | 10.85   | 7.96 | 7.2        | 2.05            | 111.0 |
| 983      | 1/6/2011 21:46 | 9.00   | 40.50  | 25.72        | 10.87   | 7.96 | 7.2        | 2.13            | 111.0 |
| 984      | 1/6/2011 22:01 | 9.13   | 41.14  | 26.18        | 10.83   | 7.97 | 6.7        | 2.24            | 111.2 |
| 985      | 1/6/2011 22:16 | 9.34   | 42.24  | 26.96        | 10.70   | 7.98 | 7.9        | 2.33            | 110.9 |
| 986      | 1/6/2011 22:31 | 9.42   | 42.46  | 27.12        | 10.67   | 7.99 | 8.1        | 2.43            | 111.0 |
| 987      | 1/6/2011 22:46 | 9.41   | 42.51  | 27.16        | 10.67   | 7.98 | 8.6        | 2.55            | 111.0 |
| 988      | 1/6/2011 23:01 | 9.40   | 42.56  | 27.19        | 10.68   | 7.98 | 9.1        | 2.64            | 111.1 |
| 989      | 1/6/2011 23:16 | 9.49   | 42.99  | 27.50        | 10.64   | 7.98 | 10.2       | 2.74            | 111.1 |
| 990      | 1/6/2011 23:31 | 9.52   | 43.20  | 27.65        | 10.62   | 7.98 | 11.7       | 2.85            | 111.1 |
| 991      | 1/6/2011 23:46 | 9.60   | 43.52  | 27.88        | 10.60   | 8.00 | 13.4       | 2.93            | 111.2 |
| 992      | 1/7/2011 0:01  | 9.65   | 43.80  | 28.08        | 10.60   | 8.00 | 14.1       | 3.03            | 111.5 |
| 993      | 1/7/2011 0:16  | 9.68   | 44.04  | 28.25        | 10.60   | 8.01 | 13.1       | 3.10            | 111.7 |
| 994      | 1/7/2011 0:31  | 9.85   | 45.01  | 28.95        | 10.63   | 8.01 | 15.7       | 3.19            | 113.0 |
| 995      | 1/7/2011 0:46  | 9.90   | 45.42  | 29.24        | 10.68   | 8.02 | 16.5       | 3.27            | 113.8 |
| 996      | 1/7/2011 1:01  | 9.94   | 45.87  | 29.57        | 10.69   | 8.02 | 14.3       | 3.35            | 114.2 |
| 997      | 1/7/2011 1:16  | 10.01  | 46.27  | 29.86        | 10.70   | 8.03 | 13.6       | 3.42            | 114.8 |
| 998      | 1/7/2011 1:31  | 10.03  | 46.54  | 30.06        | 10.64   | 8.03 | 13.2       | 3.47            | 114.3 |
| 999      | 1/7/2011 1:46  | 10.05  | 46.78  | 30.23        | 10.63   | 8.03 | 10.7       | 3.52            | 114.3 |
| 1000     | 1/7/2011 2:01  | 10.07  | 46.91  | 30.32        | 10.60   | 8.03 | 10.7       | 3.57            | 114.2 |
| 1001     | 1/7/2011 2:16  | 10.08  | 47.04  | 30.41        | 10.54   | 8.03 | 7.1        | 3.58            | 113.6 |
| 1002     | 1/7/2011 2:31  | 10.07  | 46.95  | 30.35        | 10.62   | 8.02 | 8.9        | 3.58            | 114.4 |
| 1003     | 1/7/2011 2:46  | 10.08  | 47.00  | 30.38        | 10.63   | 8.03 | 9.5        | 3.55            | 114.6 |
| 1004     | 1/7/2011 3:01  | 10.06  | 46.81  | 30.25        | 10.61   | 8.03 | 9.5        | 3.49            | 114.2 |
| 1005     | 1/7/2011 3:16  | 9.75   | 45.55  | 29.33        | 10.58   | 8.02 | 10.1       | 3.43            | 112.5 |
| 1006     | 1/7/2011 3:31  | 9.62   | 44.87  | 28.84        | 10.58   | 8.01 | 9.2        | 3.38            | 111.8 |
| 1007     | 1/7/2011 3:46  | 9.74   | 45.31  | 29.16        | 10.62   | 8.02 | 10.0       | 3.29            | 112.7 |
| 1008     | 1/7/2011 4:01  | 9.57   | 44.61  | 28.65        | 10.57   | 8.01 | 9.2        | 3.20            | 111.4 |
| 1009     | 1/7/2011 4:16  | 9.43   | 44.14  | 28.31        | 10.52   | 8.00 | 6.3        | 3.15            | 110.3 |
| 1010     | 1/7/2011 4:31  | 9.43   | 44.11  | 28.29        | 10.54   | 8.00 | 6.0        | 3.04            | 110.5 |
| 1011     | 1/7/2011 4:46  | 9.40   | 44.05  | 28.24        | 10.54   | 8.00 | 5.7        | 2.97            | 110.3 |
| 1012     | 1/7/2011 5:01  | 9.22   | 43.27  | 27.68        | 10.57   | 7.99 | 6.2        | 2.87            | 109.8 |
| 1013     | 1/7/2011 5:16  | 9.24   | 43.38  | 27.76        | 10.58   | 7.99 | 7.7        | 2.81            | 110.1 |
| 1014     | 1/7/2011 5:31  | 9.18   | 43.30  | 27.70        | 10.57   | 7.99 | 5.9        | 2.75            | 109.8 |
| 1015     | 1/7/2011 5:46  | 9.04   | 42.74  | 27.29        | 10.60   | 7.98 | 5.6        | 2.67            | 109.4 |
| 1016     | 1/7/2011 6:01  | 8.98   | 43.00  | 27.47        | 10.55   | 7.98 | 5.1        | 2.63            | 108.9 |
| 1017     | 1/7/2011 6:16  | 8.86   | 42.51  | 27.12        | 10.59   | 7.98 | 4.8        | 2.57            | 108.8 |
| 1018     | 1/7/2011 6:31  | 8.79   | 42.38  | 27.03        | 10.57   | 7.97 | 4.5        | 2.53            | 108.3 |
| 1019     | 1/7/2011 6:46  | 8.76   | 42.19  | 26.89        | 10.58   | 7.97 | 4.5        | 2.48            | 108.3 |
| 1020     | 1/7/2011 7:01  | 8.72   | 42.13  | 26.85        | 10.57   | 7.96 | 4.8        | 2.45            | 108.1 |
| 1021     | 1/7/2011 7:16  | 8.74   | 41.93  | 26.70        | 10.55   | 7.97 | 4.5        | 2.44            | 107.7 |
| 1022     | 1/7/2011 7:31  | 8.91   | 42.54  | 27.15        | 10.48   | 7.98 | 4.1        | 2.42            | 107.8 |
| 1023     | 1/7/2011 7:46  | 8.59   | 42.01  | 26.76        | 10.55   | 7.96 | 4.6        | 2.43            | 107.5 |
| 1024     | 1/7/2011 8:01  | 8.56   | 41.97  | 26.73        | 10.60   | 7.96 | 4.4        | 2.45            | 107.9 |
| 1025     | 1/7/2011 8:16  | 9.04   | 42.68  | 27.26        | 10.55   | 7.98 | 5.4        | 2.51            | 108.9 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1026     | 1/7/2011 8:31  | 8.97   | 42.69  | 27.25        | 10.55   | 7.98 | 5.9               | 2.56            | 108.7 |
| 1027     | 1/7/2011 8:46  | 8.52   | 41.82  | 26.62        | 10.67   | 7.96 | 6.5               | 2.61            | 108.4 |
| 1028     | 1/7/2011 9:01  | 9.12   | 42.98  | 27.47        | 10.56   | 7.98 | 6.1               | 2.68            | 109.4 |
| 1029     | 1/7/2011 9:16  | 9.08   | 43.08  | 27.54        | 10.59   | 7.99 | 6.0               | 2.76            | 109.6 |
| 1030     | 1/7/2011 9:31  | 9.12   | 43.27  | 27.68        | 10.59   | 7.98 | 6.4               | 2.84            | 109.8 |
| 1031     | 1/7/2011 9:46  | 9.25   | 43.72  | 28.00        | 10.56   | 7.99 | 6.1               | 2.92            | 110.1 |
| 1032     | 1/7/2011 10:01 | 9.36   | 44.09  | 28.27        | 10.57   | 8.00 | 6.7               | 2.98            | 110.6 |
| 1033     | 1/7/2011 10:16 | 9.48   | 44.44  | 28.52        | 10.60   | 8.00 | 6.7               | 3.08            | 111.4 |
| 1034     | 1/7/2011 10:31 | 9.62   | 44.87  | 28.84        | 10.60   | 8.01 | 6.3               | 3.15            | 111.9 |
| 1035     | 1/7/2011 10:46 | 9.66   | 44.99  | 28.93        | 10.61   | 8.01 | 5.7               | 3.22            | 112.3 |
| 1036     | 1/7/2011 11:01 | 9.76   | 45.69  | 29.43        | 10.56   | 8.01 | 9.0               | 3.29            | 112.3 |
| 1037     | 1/7/2011 11:16 | 9.81   | 45.91  | 29.59        | 10.58   | 8.02 | 9.3               | 3.37            | 112.7 |
| 1038     | 1/7/2011 11:31 | 9.84   | 46.01  | 29.66        | 10.59   | 8.02 | 9.1               | 3.43            | 112.9 |
| 1039     | 1/7/2011 11:46 | 9.88   | 46.09  | 29.72        | 10.58   | 8.02 | 7.7               | 3.49            | 113.0 |
| 1040     | 1/7/2011 12:01 | 9.88   | 46.18  | 29.79        | 10.56   | 8.02 | 8.1               | 3.56            | 112.9 |
| 1041     | 1/7/2011 12:16 | 9.90   | 46.36  | 29.91        | 10.58   | 8.02 | 7.5               | 3.62            | 113.2 |
| 1042     | 1/7/2011 12:31 | 9.92   | 46.59  | 30.08        | 10.57   | 8.03 | 7.4               | 3.66            | 113.3 |
| 1043     | 1/7/2011 12:46 | 9.94   | 46.73  | 30.19        | 10.57   | 8.03 | 7.6               | 3.69            | 113.5 |
| 1044     | 1/7/2011 13:01 | 9.96   | 46.81  | 30.25        | 10.51   | 8.03 | 4.8               | 3.72            | 112.8 |
| 1045     | 1/7/2011 13:16 | 9.97   | 46.83  | 30.26        | 10.46   | 8.03 | 9.6               | 3.74            | 112.4 |
|          | Mean           | 9.48   | 41.38  | 26.37        | 10.67   | 7.99 | 16.2              | 2.84            | 110.6 |
|          | Minimum        | 8.27   | 34.21  | 21.35        | 10.26   | 7.90 | 4.3               | 1.16            | 104.4 |
|          | Maximum        | 10.91  | 47.04  | 30.41        | 11.09   | 8.11 | 100.0             | 4.20            | 117.0 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 0        | 1/7/2011 13:46 | 9.93   | 46.41  | 29.96        | 9.28    | 7.94 | 6.9               | 3.50            | 99.4  |
| 1        | 1/7/2011 14:01 | 9.93   | 45.53  | 29.32        | 9.42    | 8.04 | 7.8               | 3.44            | 100.6 |
| 2        | 1/7/2011 14:16 | 10.00  | 45.34  | 29.19        | 9.41    | 7.93 | 7.1               | 3.38            | 100.4 |
| 3        | 1/7/2011 14:31 | 10.04  | 45.22  | 29.11        | 9.33    | 7.93 | 7.8               | 3.30            | 99.7  |
| 4        | 1/7/2011 14:46 | 10.04  | 44.91  | 28.89        | 9.28    | 7.93 | 7.1               | 3.20            | 98.9  |
| 5        | 1/7/2011 15:01 | 9.94   | 44.70  | 28.74        | 9.30    | 7.98 | 6.8               | 3.11            | 98.9  |
| 6        | 1/7/2011 15:16 | 9.85   | 44.32  | 28.46        | 9.31    | 8.02 | 6.4               | 3.03            | 98.7  |
| 7        | 1/7/2011 15:31 | 9.82   | 44.14  | 28.33        | 9.35    | 7.99 | 9.0               | 2.92            | 98.9  |
| 8        | 1/7/2011 15:46 | 9.76   | 43.81  | 28.09        | 9.38    | 7.98 | 7.1               | 2.79            | 99.0  |
| 9        | 1/7/2011 16:01 | 9.83   | 44.49  | 28.58        | 9.31    | 7.98 | 6.8               | 2.70            | 98.7  |
| 10       | 1/7/2011 16:16 | 9.70   | 43.92  | 28.17        | 9.36    | 7.97 | 7.1               | 2.59            | 98.6  |
| 11       | 1/7/2011 16:31 | 9.62   | 43.46  | 27.84        | 9.41    | 7.96 | 7.4               | 2.47            | 98.7  |
| 12       | 1/7/2011 16:46 | 9.58   | 43.17  | 27.63        | 9.43    | 7.97 | 7.8               | 2.35            | 98.7  |
| 13       | 1/7/2011 17:01 | 9.40   | 42.43  | 27.10        | 9.53    | 7.97 | 8.4               | 2.23            | 99.0  |
| 14       | 1/7/2011 17:16 | 9.38   | 42.72  | 27.30        | 9.47    | 7.97 | 8.4               | 2.11            | 98.5  |
| 15       | 1/7/2011 17:31 | 9.26   | 42.33  | 27.02        | 9.49    | 7.96 | 8.4               | 1.99            | 98.3  |
| 16       | 1/7/2011 17:46 | 9.21   | 42.04  | 26.81        | 9.52    | 7.96 | 8.9               | 1.85            | 98.3  |
| 17       | 1/7/2011 18:01 | 9.15   | 41.95  | 26.74        | 9.53    | 7.96 | 9.2               | 1.74            | 98.3  |
| 18       | 1/7/2011 18:16 | 9.13   | 41.97  | 26.76        | 9.50    | 7.95 | 9.9               | 1.63            | 97.9  |
| 19       | 1/7/2011 18:31 | 9.10   | 41.79  | 26.63        | 9.48    | 7.95 | 9.5               | 1.53            | 97.6  |
| 20       | 1/7/2011 18:46 | 9.05   | 41.57  | 26.47        | 9.51    | 7.94 | 9.5               | 1.43            | 97.7  |
| 21       | 1/7/2011 19:01 | 9.01   | 41.42  | 26.36        | 9.52    | 7.94 | 9.3               | 1.36            | 97.6  |
| 22       | 1/7/2011 19:16 | 8.95   | 41.26  | 26.25        | 9.52    | 7.94 | 8.5               | 1.28            | 97.5  |
| 23       | 1/7/2011 19:31 | 8.93   | 41.15  | 26.17        | 9.51    | 7.94 | 8.6               | 1.27            | 97.2  |
| 24       | 1/7/2011 19:46 | 8.94   | 41.28  | 26.26        | 9.45    | 7.93 | 7.0               | 1.26            | 96.7  |
| 25       | 1/7/2011 20:01 | 8.97   | 41.32  | 26.29        | 9.49    | 7.93 | 7.6               | 1.27            | 97.2  |
| 26       | 1/7/2011 20:16 | 8.97   | 41.40  | 26.35        | 9.49    | 7.93 | 7.0               | 1.32            | 97.2  |
| 27       | 1/7/2011 20:31 | 8.99   | 41.38  | 26.33        | 9.49    | 7.94 | 6.8               | 1.39            | 97.3  |
| 28       | 1/7/2011 20:46 | 8.98   | 41.45  | 26.39        | 9.49    | 7.93 | 6.5               | 1.45            | 97.2  |
| 29       | 1/7/2011 21:01 | 8.93   | 41.26  | 26.25        | 9.49    | 7.93 | 6.9               | 1.55            | 97.1  |
| 30       | 1/7/2011 21:16 | 8.89   | 41.08  | 26.12        | 9.51    | 7.92 | 7.4               | 1.65            | 97.1  |
| 31       | 1/7/2011 21:31 | 8.96   | 41.02  | 26.08        | 9.49    | 7.92 | 7.4               | 1.71            | 97.0  |
| 32       | 1/7/2011 21:46 | 8.99   | 41.13  | 26.16        | 9.46    | 7.92 | 6.8               | 1.79            | 96.8  |
| 33       | 1/7/2011 22:01 | 8.97   | 40.93  | 26.02        | 9.47    | 7.92 | 7.1               | 1.90            | 96.8  |
| 34       | 1/7/2011 22:16 | 9.02   | 41.17  | 26.19        | 9.45    | 7.92 | 7.3               | 1.97            | 96.8  |
| 35       | 1/7/2011 22:31 | 9.23   | 42.28  | 26.98        | 9.31    | 7.93 | 6.9               | 2.07            | 96.3  |
| 36       | 1/7/2011 22:46 | 9.32   | 42.63  | 27.24        | 9.27    | 7.93 | 7.0               | 2.17            | 96.3  |
| 37       | 1/7/2011 23:01 | 9.34   | 42.58  | 27.20        | 9.27    | 7.92 | 6.7               | 2.25            | 96.3  |
| 38       | 1/7/2011 23:16 | 9.40   | 42.75  | 27.32        | 9.27    | 7.93 | 7.6               | 2.37            | 96.4  |
| 39       | 1/7/2011 23:31 | 9.41   | 42.91  | 27.44        | 9.27    | 7.93 | 8.2               | 2.45            | 96.6  |
| 40       | 1/7/2011 23:46 | 9.47   | 42.98  | 27.49        | 9.24    | 7.94 | 9.1               | 2.56            | 96.5  |
| 41       | 1/8/2011 0:01  | 9.53   | 43.45  | 27.83        | 9.22    | 7.93 | 9.0               | 2.64            | 96.5  |
| 42       | 1/8/2011 0:16  | 9.57   | 43.61  | 27.94        | 9.22    | 7.93 | 10.5              | 2.73            | 96.7  |
| 43       | 1/8/2011 0:31  | 9.60   | 43.77  | 28.05        | 9.22    | 7.94 | 12.6              | 2.81            | 96.9  |
| 44       | 1/8/2011 0:46  | 9.63   | 44.12  | 28.31        | 9.21    | 7.94 | 10.8              | 2.89            | 97.0  |
| 45       | 1/8/2011 1:01  | 9.70   | 44.40  | 28.51        | 9.20    | 7.94 | 10.9              | 2.98            | 97.1  |
| 46       | 1/8/2011 1:16  | 9.82   | 45.36  | 29.20        | 9.18    | 7.94 | 13.6              | 3.05            | 97.6  |
| 47       | 1/8/2011 1:31  | 9.87   | 45.72  | 29.46        | 9.17    | 7.95 | 13.4              | 3.12            | 97.8  |
| 48       | 1/8/2011 1:46  | 9.90   | 46.17  | 29.78        | 9.14    | 7.95 | 10.9              | 3.19            | 97.7  |
| 49       | 1/8/2011 2:01  | 9.94   | 46.55  | 30.05        | 9.10    | 7.95 | 10.1              | 3.25            | 97.6  |
| 50       | 1/8/2011 2:16  | 9.96   | 46.62  | 30.11        | 9.09    | 7.95 | 8.7               | 3.29            | 97.5  |
| 51       | 1/8/2011 2:31  | 9.99   | 46.83  | 30.26        | 9.06    | 7.95 | 7.8               | 3.32            | 97.3  |
| 52       | 1/8/2011 2:46  | 10.00  | 46.71  | 30.18        | 9.02    | 7.95 | 5.8               | 3.35            | 96.9  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |      |
| 53       | 1/8/2011 3:01  | 9.97   | 46.53  | 30.04        | 9.08    | 7.95 | 8.9        | 3.35   | 97.4 |
| 54       | 1/8/2011 3:16  | 9.99   | 46.55  | 30.06        | 9.10    | 7.95 | 8.2        | 3.32   | 97.6 |
| 55       | 1/8/2011 3:31  | 9.93   | 46.26  | 29.85        | 9.10    | 7.94 | 7.3        | 3.28   | 97.4 |
| 56       | 1/8/2011 3:46  | 9.73   | 45.64  | 29.39        | 9.09    | 7.93 | 8.4        | 3.23   | 96.6 |
| 57       | 1/8/2011 4:01  | 9.74   | 45.64  | 29.39        | 9.09    | 7.94 | 9.6        | 3.16   | 96.7 |
| 58       | 1/8/2011 4:16  | 9.71   | 45.21  | 29.09        | 9.11    | 7.93 | 8.9        | 3.07   | 96.6 |
| 59       | 1/8/2011 4:31  | 9.66   | 44.77  | 28.77        | 9.15    | 7.93 | 12.2       | 2.99   | 96.7 |
| 60       | 1/8/2011 4:46  | 9.56   | 44.61  | 28.65        | 9.16    | 7.93 | 7.4        | 2.90   | 96.5 |
| 61       | 1/8/2011 5:01  | 9.55   | 44.16  | 28.33        | 9.12    | 7.92 | 6.0        | 2.83   | 95.9 |
| 62       | 1/8/2011 5:16  | 9.37   | 43.57  | 27.90        | 9.20    | 7.91 | 8.2        | 2.75   | 96.1 |
| 63       | 1/8/2011 5:31  | 9.41   | 43.82  | 28.08        | 9.15    | 7.92 | 5.6        | 2.67   | 95.8 |
| 64       | 1/8/2011 5:46  | 9.32   | 43.40  | 27.78        | 9.18    | 7.91 | 5.7        | 2.61   | 95.6 |
| 65       | 1/8/2011 6:01  | 9.28   | 43.17  | 27.61        | 9.20    | 7.91 | 5.2        | 2.53   | 95.7 |
| 66       | 1/8/2011 6:16  | 9.31   | 43.48  | 27.83        | 9.13    | 7.90 | 4.3        | 2.47   | 95.1 |
| 67       | 1/8/2011 6:31  | 9.17   | 42.42  | 27.08        | 9.19    | 7.90 | 4.3        | 2.41   | 95.1 |
| 68       | 1/8/2011 6:46  | 9.14   | 42.48  | 27.12        | 9.18    | 7.85 | 4.2        | 2.34   | 94.8 |
| 69       | 1/8/2011 7:01  | 9.09   | 42.34  | 27.02        | 9.17    | 7.90 | 4.3        | 2.31   | 94.6 |
| 70       | 1/8/2011 7:16  | 9.07   | 42.18  | 26.90        | 9.19    | 7.89 | 4.5        | 2.25   | 94.7 |
| 71       | 1/8/2011 7:31  | 9.06   | 42.14  | 26.87        | 9.18    | 7.90 | 4.7        | 2.18   | 94.6 |
| 72       | 1/8/2011 7:46  | 9.06   | 42.08  | 26.83        | 9.15    | 7.89 | 5.2        | 2.18   | 94.3 |
| 73       | 1/8/2011 8:01  | 9.03   | 41.81  | 26.64        | 9.13    | 7.88 | 4.8        | 2.16   | 93.8 |
| 74       | 1/8/2011 8:16  | 9.07   | 42.25  | 26.95        | 9.14    | 7.89 | 4.3        | 2.16   | 94.2 |
| 75       | 1/8/2011 8:31  | 9.04   | 42.15  | 26.88        | 9.18    | 7.89 | 4.1        | 2.17   | 94.5 |
| 76       | 1/8/2011 8:46  | 8.98   | 41.81  | 26.64        | 9.22    | 7.89 | 3.8        | 2.21   | 94.6 |
| 77       | 1/8/2011 9:01  | 9.13   | 42.44  | 27.09        | 9.13    | 7.89 | 4.2        | 2.26   | 94.3 |
| 78       | 1/8/2011 9:16  | 9.18   | 42.35  | 27.03        | 9.15    | 7.89 | 5.7        | 2.31   | 94.5 |
| 79       | 1/8/2011 9:31  | 8.94   | 42.00  | 26.77        | 9.22    | 7.88 | 5.2        | 2.37   | 94.7 |
| 80       | 1/8/2011 9:46  | 9.21   | 42.63  | 27.23        | 9.15    | 7.89 | 4.8        | 2.44   | 94.8 |
| 81       | 1/8/2011 10:01 | 9.29   | 43.23  | 27.65        | 9.12    | 7.90 | 5.7        | 2.51   | 94.9 |
| 82       | 1/8/2011 10:16 | 9.36   | 43.66  | 27.96        | 9.10    | 7.90 | 5.7        | 2.59   | 95.0 |
| 83       | 1/8/2011 10:31 | 9.35   | 43.35  | 27.75        | 9.12    | 7.90 | 5.6        | 2.65   | 95.1 |
| 84       | 1/8/2011 10:46 | 9.40   | 43.77  | 28.05        | 9.13    | 7.86 | 5.3        | 2.72   | 95.5 |
| 85       | 1/8/2011 11:01 | 9.42   | 43.89  | 28.13        | 9.19    | 7.91 | 4.9        | 2.78   | 96.2 |
| 86       | 1/8/2011 11:16 | 9.53   | 44.31  | 28.44        | 9.17    | 7.91 | 4.7        | 2.85   | 96.5 |
| 87       | 1/8/2011 11:31 | 9.58   | 44.29  | 28.43        | 9.19    | 7.91 | 4.5        | 2.92   | 96.8 |
| 88       | 1/8/2011 11:46 | 9.59   | 44.18  | 28.35        | 9.19    | 7.91 | 4.5        | 2.97   | 96.7 |
| 89       | 1/8/2011 12:01 | 9.64   | 44.74  | 28.75        | 9.14    | 7.92 | 4.5        | 3.03   | 96.5 |
| 90       | 1/8/2011 12:16 | 9.79   | 45.66  | 29.41        | 9.04    | 7.92 | 5.1        | 3.09   | 96.2 |
| 91       | 1/8/2011 12:31 | 9.81   | 45.48  | 29.28        | 9.02    | 7.92 | 5.1        | 3.14   | 96.0 |
| 92       | 1/8/2011 12:46 | 9.83   | 45.56  | 29.34        | 9.00    | 7.92 | 5.7        | 3.20   | 95.8 |
| 93       | 1/8/2011 13:01 | 9.86   | 45.83  | 29.54        | 9.01    | 7.92 | 5.4        | 3.24   | 96.1 |
| 94       | 1/8/2011 13:16 | 9.87   | 46.00  | 29.66        | 8.93    | 7.92 | 5.6        | 3.28   | 95.4 |
| 95       | 1/8/2011 13:31 | 9.88   | 46.01  | 29.66        | 8.92    | 7.92 | 4.2        | 3.30   | 95.3 |
| 96       | 1/8/2011 13:46 | 9.89   | 46.18  | 29.79        | 8.87    | 7.92 | 3.9        | 3.32   | 94.9 |
| 97       | 1/8/2011 14:01 | 9.86   | 45.99  | 29.65        | 8.89    | 7.92 | 4.6        | 3.29   | 95.0 |
| 98       | 1/8/2011 14:16 | 9.87   | 45.96  | 29.63        | 8.97    | 7.92 | 7.0        | 3.27   | 95.8 |
| 99       | 1/8/2011 14:31 | 9.83   | 45.64  | 29.40        | 9.21    | 7.93 | 17.8       | 3.25   | 98.1 |
| 100      | 1/8/2011 14:46 | 9.85   | 45.64  | 29.40        | 9.28    | 7.93 | 20.4       | 3.19   | 98.9 |
| 101      | 1/8/2011 15:01 | 9.88   | 45.72  | 29.46        | 9.26    | 7.93 | 18.8       | 3.12   | 98.7 |
| 102      | 1/8/2011 15:16 | 9.84   | 45.76  | 29.48        | 9.26    | 7.93 | 17.8       | 3.05   | 98.7 |
| 103      | 1/8/2011 15:31 | 9.74   | 45.07  | 28.99        | 9.30    | 7.93 | 23.6       | 2.98   | 98.6 |
| 104      | 1/8/2011 15:46 | 9.63   | 44.57  | 28.62        | 9.32    | 7.92 | 23.2       | 2.90   | 98.3 |
| 105      | 1/8/2011 16:01 | 9.57   | 44.80  | 28.78        | 9.29    | 7.92 | 22.7       | 2.82   | 98.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 106      | 1/8/2011 16:16 | 9.55   | 44.34  | 28.46        | 9.34    | 7.92 | 26.0              | 2.73            | 98.3 |
| 107      | 1/8/2011 16:31 | 9.50   | 44.64  | 28.66        | 9.35    | 7.92 | 27.2              | 2.63            | 98.4 |
| 108      | 1/8/2011 16:46 | 9.33   | 43.63  | 27.94        | 9.38    | 7.90 | 33.2              | 2.53            | 97.9 |
| 109      | 1/8/2011 17:01 | 9.29   | 43.44  | 27.81        | 9.39    | 7.90 | 42.7              | 2.44            | 97.7 |
| 110      | 1/8/2011 17:16 | 9.20   | 43.16  | 27.60        | 9.42    | 7.85 | 38.7              | 2.32            | 97.8 |
| 111      | 1/8/2011 17:31 | 9.10   | 42.58  | 27.19        | 9.46    | 7.89 | 44.9              | 2.21            | 97.7 |
| 112      | 1/8/2011 17:46 | 9.03   | 42.08  | 26.83        | 9.49    | 7.89 | 48.0              | 2.10            | 97.6 |
| 113      | 1/8/2011 18:01 | 8.95   | 42.14  | 26.87        | 9.50    | 7.88 | 49.3              | 2.01            | 97.6 |
| 114      | 1/8/2011 18:16 | 8.90   | 42.27  | 26.96        | 9.49    | 7.88 | 53.8              | 1.89            | 97.5 |
| 115      | 1/8/2011 18:31 | 8.89   | 42.11  | 26.84        | 9.48    | 7.88 | 57.1              | 1.79            | 97.3 |
| 116      | 1/8/2011 18:46 | 8.88   | 42.10  | 26.83        | 9.48    | 7.88 | 51.2              | 1.71            | 97.2 |
| 117      | 1/8/2011 19:01 | 8.84   | 42.21  | 26.91        | 9.49    | 7.88 | 47.2              | 1.58            | 97.3 |
| 118      | 1/8/2011 19:16 | 8.79   | 41.96  | 26.73        | 9.52    | 7.87 | 48.4              | 1.51            | 97.4 |
| 119      | 1/8/2011 19:31 | 8.79   | 41.70  | 26.55        | 9.54    | 7.87 | 44.3              | 1.45            | 97.4 |
| 120      | 1/8/2011 19:46 | 8.74   | 41.26  | 26.24        | 9.57    | 7.87 | 44.6              | 1.39            | 97.5 |
| 121      | 1/8/2011 20:01 | 8.71   | 41.36  | 26.30        | 9.53    | 7.87 | 42.3              | 1.38            | 97.0 |
| 122      | 1/8/2011 20:16 | 8.69   | 41.48  | 26.39        | 9.53    | 7.86 | 36.9              | 1.40            | 97.0 |
| 123      | 1/8/2011 20:31 | 8.78   | 41.64  | 26.51        | 9.49    | 7.87 | 35.2              | 1.38            | 96.9 |
| 124      | 1/8/2011 20:46 | 8.79   | 41.54  | 26.44        | 9.49    | 7.87 | 31.8              | 1.43            | 96.9 |
| 125      | 1/8/2011 21:01 | 8.76   | 41.48  | 26.39        | 9.50    | 7.87 | 30.8              | 1.48            | 96.9 |
| 126      | 1/8/2011 21:16 | 8.79   | 41.36  | 26.31        | 9.49    | 7.86 | 32.1              | 1.53            | 96.8 |
| 127      | 1/8/2011 21:31 | 8.82   | 41.52  | 26.42        | 9.47    | 7.86 | 31.7              | 1.60            | 96.8 |
| 128      | 1/8/2011 21:46 | 8.73   | 41.57  | 26.45        | 9.51    | 7.86 | 29.9              | 1.68            | 96.9 |
| 129      | 1/8/2011 22:01 | 8.59   | 41.19  | 26.18        | 9.56    | 7.86 | 24.3              | 1.74            | 97.0 |
| 130      | 1/8/2011 22:16 | 8.64   | 41.08  | 26.11        | 9.53    | 7.85 | 24.2              | 1.83            | 96.8 |
| 131      | 1/8/2011 22:31 | 8.62   | 40.80  | 25.91        | 9.56    | 7.85 | 23.7              | 1.90            | 96.8 |
| 132      | 1/8/2011 22:46 | 8.75   | 41.21  | 26.20        | 9.48    | 7.86 | 25.0              | 1.99            | 96.6 |
| 133      | 1/8/2011 23:01 | 8.85   | 41.47  | 26.39        | 9.47    | 7.86 | 22.1              | 2.08            | 96.8 |
| 134      | 1/8/2011 23:16 | 8.90   | 41.96  | 26.74        | 9.44    | 7.87 | 19.1              | 2.17            | 96.8 |
| 135      | 1/8/2011 23:31 | 9.04   | 42.31  | 26.99        | 9.40    | 7.87 | 16.1              | 2.26            | 96.8 |
| 136      | 1/8/2011 23:46 | 9.29   | 43.47  | 27.83        | 9.29    | 7.89 | 16.0              | 2.35            | 96.7 |
| 137      | 1/9/2011 0:01  | 9.19   | 42.92  | 27.43        | 9.35    | 7.88 | 18.3              | 2.43            | 96.9 |
| 138      | 1/9/2011 0:16  | 9.22   | 43.25  | 27.67        | 9.32    | 7.88 | 21.2              | 2.53            | 96.8 |
| 139      | 1/9/2011 0:31  | 9.22   | 43.67  | 27.96        | 9.30    | 7.89 | 21.0              | 2.61            | 96.8 |
| 140      | 1/9/2011 0:46  | 9.38   | 44.21  | 28.36        | 9.23    | 7.90 | 34.4              | 2.69            | 96.7 |
| 141      | 1/9/2011 1:01  | 9.38   | 44.38  | 28.47        | 9.23    | 7.90 | 36.1              | 2.78            | 96.8 |
| 142      | 1/9/2011 1:16  | 9.40   | 44.52  | 28.58        | 9.20    | 7.90 | 30.3              | 2.85            | 96.6 |
| 143      | 1/9/2011 1:31  | 9.50   | 44.96  | 28.89        | 9.16    | 7.90 | 27.5              | 2.93            | 96.5 |
| 144      | 1/9/2011 1:46  | 9.57   | 45.26  | 29.11        | 9.13    | 7.91 | 29.2              | 2.99            | 96.5 |
| 145      | 1/9/2011 2:01  | 9.62   | 45.71  | 29.44        | 9.12    | 7.91 | 30.7              | 3.07            | 96.7 |
| 146      | 1/9/2011 2:16  | 9.61   | 45.90  | 29.57        | 9.13    | 7.87 | 25.9              | 3.13            | 96.9 |
| 147      | 1/9/2011 2:31  | 9.61   | 45.99  | 29.64        | 9.10    | 7.91 | 18.6              | 3.19            | 96.6 |
| 148      | 1/9/2011 2:46  | 9.62   | 46.57  | 30.05        | 9.05    | 7.91 | 15.3              | 3.24            | 96.4 |
| 149      | 1/9/2011 3:01  | 9.64   | 46.49  | 29.99        | 9.05    | 7.91 | 12.1              | 3.27            | 96.3 |
| 150      | 1/9/2011 3:16  | 9.65   | 46.90  | 30.29        | 9.01    | 7.92 | 8.8               | 3.30            | 96.1 |
| 151      | 1/9/2011 3:31  | 9.62   | 46.43  | 29.95        | 9.06    | 7.91 | 12.0              | 3.29            | 96.4 |
| 152      | 1/9/2011 3:46  | 9.66   | 46.57  | 30.05        | 9.06    | 7.91 | 11.5              | 3.28            | 96.5 |
| 153      | 1/9/2011 4:01  | 9.58   | 46.36  | 29.90        | 9.08    | 7.91 | 9.9               | 3.25            | 96.5 |
| 154      | 1/9/2011 4:16  | 9.38   | 45.61  | 29.35        | 9.11    | 7.91 | 11.2              | 3.19            | 96.1 |
| 155      | 1/9/2011 4:31  | 9.41   | 45.40  | 29.20        | 9.10    | 7.90 | 14.5              | 3.13            | 95.9 |
| 156      | 1/9/2011 4:46  | 9.44   | 45.83  | 29.51        | 9.10    | 7.91 | 20.6              | 3.06            | 96.1 |
| 157      | 1/9/2011 5:01  | 9.33   | 45.02  | 28.93        | 9.13    | 7.90 | 24.2              | 2.98            | 95.9 |
| 158      | 1/9/2011 5:16  | 9.26   | 44.95  | 28.87        | 9.16    | 7.85 | 18.0              | 2.91            | 96.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 159      | 1/9/2011 5:31  | 8.94   | 44.16  | 28.30        | 9.15    | 7.88 | 9.9               | 2.82            | 94.9 |
| 160      | 1/9/2011 5:46  | 9.03   | 44.04  | 28.21        | 9.16    | 7.88 | 8.9               | 2.75            | 95.2 |
| 161      | 1/9/2011 6:01  | 8.98   | 43.83  | 28.06        | 9.19    | 7.88 | 8.9               | 2.67            | 95.2 |
| 162      | 1/9/2011 6:16  | 8.83   | 43.58  | 27.87        | 9.28    | 7.88 | 15.2              | 2.59            | 95.7 |
| 163      | 1/9/2011 6:31  | 8.77   | 43.39  | 27.74        | 9.25    | 7.88 | 12.6              | 2.52            | 95.2 |
| 164      | 1/9/2011 6:46  | 8.65   | 43.13  | 27.54        | 9.59    | 7.87 | 11.8              | 2.45            | 98.3 |
| 165      | 1/9/2011 7:01  | 8.53   | 42.53  | 27.12        | 9.31    | 7.86 | 10.7              | 2.39            | 95.0 |
| 166      | 1/9/2011 7:16  | 8.46   | 42.81  | 27.31        | 9.23    | 7.86 | 10.2              | 2.31            | 94.1 |
| 167      | 1/9/2011 7:31  | 8.31   | 42.68  | 27.21        | 9.22    | 7.85 | 9.8               | 2.27            | 93.6 |
| 168      | 1/9/2011 7:46  | 8.29   | 42.55  | 27.11        | 9.28    | 7.85 | 10.6              | 2.21            | 94.1 |
| 169      | 1/9/2011 8:01  | 8.22   | 42.50  | 27.07        | 9.28    | 7.85 | 10.5              | 2.16            | 93.9 |
| 170      | 1/9/2011 8:16  | 8.21   | 42.52  | 27.08        | 9.28    | 7.86 | 10.6              | 2.13            | 93.9 |
| 171      | 1/9/2011 8:31  | 8.24   | 42.44  | 27.03        | 9.24    | 7.85 | 9.6               | 2.11            | 93.6 |
| 172      | 1/9/2011 8:46  | 8.38   | 42.72  | 27.24        | 9.17    | 7.86 | 9.3               | 2.10            | 93.3 |
| 173      | 1/9/2011 9:01  | 8.47   | 42.92  | 27.38        | 9.22    | 7.86 | 10.5              | 2.10            | 94.1 |
| 174      | 1/9/2011 9:16  | 8.20   | 42.33  | 26.95        | 9.32    | 7.86 | 9.8               | 2.14            | 94.2 |
| 175      | 1/9/2011 9:31  | 8.42   | 42.74  | 27.25        | 9.24    | 7.85 | 10.6              | 2.16            | 94.0 |
| 176      | 1/9/2011 9:46  | 8.44   | 42.82  | 27.31        | 9.24    | 7.86 | 9.8               | 2.19            | 94.1 |
| 177      | 1/9/2011 10:01 | 8.63   | 42.84  | 27.34        | 9.22    | 7.86 | 10.4              | 2.25            | 94.4 |
| 178      | 1/9/2011 10:16 | 8.27   | 42.38  | 26.99        | 9.35    | 7.85 | 9.8               | 2.31            | 94.6 |
| 179      | 1/9/2011 10:31 | 8.71   | 43.29  | 27.66        | 9.20    | 7.87 | 9.9               | 2.36            | 94.5 |
| 180      | 1/9/2011 10:46 | 8.81   | 43.55  | 27.85        | 9.19    | 7.87 | 11.9              | 2.42            | 94.7 |
| 181      | 1/9/2011 11:01 | 8.86   | 43.47  | 27.80        | 9.16    | 7.87 | 10.4              | 2.47            | 94.5 |
| 182      | 1/9/2011 11:16 | 8.90   | 43.98  | 28.16        | 9.12    | 7.87 | 10.1              | 2.52            | 94.4 |
| 183      | 1/9/2011 11:31 | 8.92   | 44.06  | 28.22        | 9.13    | 7.87 | 10.1              | 2.59            | 94.6 |
| 184      | 1/9/2011 11:46 | 8.98   | 43.96  | 28.15        | 9.16    | 7.88 | 8.5               | 2.64            | 95.0 |
| 185      | 1/9/2011 12:01 | 9.04   | 44.39  | 28.46        | 9.15    | 7.88 | 8.4               | 2.70            | 95.2 |
| 186      | 1/9/2011 12:16 | 9.14   | 44.58  | 28.60        | 9.15    | 7.88 | 8.0               | 2.75            | 95.4 |
| 187      | 1/9/2011 12:31 | 9.20   | 44.87  | 28.82        | 9.15    | 7.89 | 6.8               | 2.80            | 95.7 |
| 188      | 1/9/2011 12:46 | 9.24   | 45.00  | 28.91        | 9.14    | 7.89 | 6.7               | 2.86            | 95.7 |
| 189      | 1/9/2011 13:01 | 9.27   | 45.17  | 29.03        | 9.11    | 7.89 | 7.0               | 2.90            | 95.6 |
| 190      | 1/9/2011 13:16 | 9.33   | 45.12  | 29.00        | 9.12    | 7.89 | 6.3               | 2.96            | 95.8 |
| 191      | 1/9/2011 13:31 | 9.39   | 45.24  | 29.09        | 9.09    | 7.89 | 5.6               | 2.99            | 95.7 |
| 192      | 1/9/2011 13:46 | 9.43   | 45.49  | 29.26        | 9.06    | 7.89 | 6.3               | 3.02            | 95.5 |
| 193      | 1/9/2011 14:01 | 9.43   | 45.73  | 29.44        | 9.01    | 7.89 | 6.3               | 3.04            | 95.1 |
| 194      | 1/9/2011 14:16 | 9.44   | 45.78  | 29.47        | 8.96    | 7.89 | 4.7               | 3.08            | 94.6 |
| 195      | 1/9/2011 14:31 | 9.46   | 45.54  | 29.30        | 8.96    | 7.89 | 4.2               | 3.08            | 94.6 |
| 196      | 1/9/2011 14:46 | 9.44   | 45.69  | 29.41        | 8.95    | 7.89 | 5.6               | 3.08            | 94.5 |
| 197      | 1/9/2011 15:01 | 9.45   | 45.36  | 29.18        | 9.10    | 7.85 | 7.4               | 3.05            | 95.9 |
| 198      | 1/9/2011 15:16 | 9.44   | 45.68  | 29.40        | 9.08    | 7.89 | 7.8               | 3.04            | 95.9 |
| 199      | 1/9/2011 15:31 | 9.39   | 45.06  | 28.96        | 9.28    | 7.90 | 11.8              | 3.00            | 97.6 |
| 200      | 1/9/2011 15:46 | 9.36   | 44.89  | 28.84        | 9.45    | 7.91 | 16.7              | 2.94            | 99.2 |
| 201      | 1/9/2011 16:01 | 9.31   | 45.08  | 28.97        | 9.45    | 7.91 | 13.8              | 2.89            | 99.2 |
| 202      | 1/9/2011 16:16 | 9.28   | 44.85  | 28.80        | 9.44    | 7.91 | 12.4              | 2.81            | 98.9 |
| 203      | 1/9/2011 16:31 | 9.22   | 44.93  | 28.86        | 9.44    | 7.90 | 13.6              | 2.75            | 98.9 |
| 204      | 1/9/2011 16:46 | 9.15   | 44.61  | 28.62        | 9.44    | 7.90 | 18.4              | 2.67            | 98.5 |
| 205      | 1/9/2011 17:01 | 9.04   | 44.38  | 28.45        | 9.52    | 7.91 | 16.7              | 2.57            | 99.0 |
| 206      | 1/9/2011 17:16 | 8.93   | 44.13  | 28.27        | 9.49    | 7.90 | 23.7              | 2.50            | 98.3 |
| 207      | 1/9/2011 17:31 | 8.80   | 43.23  | 27.62        | 9.53    | 7.88 | 22.5              | 2.39            | 98.1 |
| 208      | 1/9/2011 17:46 | 8.75   | 43.69  | 27.95        | 9.48    | 7.88 | 26.4              | 2.31            | 97.7 |
| 209      | 1/9/2011 18:01 | 8.68   | 43.20  | 27.59        | 9.51    | 7.88 | 29.2              | 2.22            | 97.6 |
| 210      | 1/9/2011 18:16 | 8.61   | 42.88  | 27.36        | 9.54    | 7.87 | 28.0              | 2.13            | 97.6 |
| 211      | 1/9/2011 18:31 | 8.50   | 42.52  | 27.11        | 9.58    | 7.87 | 30.2              | 2.05            | 97.6 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 212      | 1/9/2011 18:46 | 8.40   | 42.56  | 27.13        | 9.58    | 7.87 | 27.0              | 1.96            | 97.4 |
| 213      | 1/9/2011 19:01 | 8.28   | 42.00  | 26.73        | 9.64    | 7.86 | 28.1              | 1.87            | 97.5 |
| 214      | 1/9/2011 19:16 | 8.26   | 42.07  | 26.77        | 9.63    | 7.86 | 25.8              | 1.80            | 97.3 |
| 215      | 1/9/2011 19:31 | 8.19   | 41.98  | 26.70        | 9.64    | 7.86 | 24.8              | 1.73            | 97.2 |
| 216      | 1/9/2011 19:46 | 8.20   | 42.05  | 26.75        | 9.64    | 7.86 | 23.5              | 1.68            | 97.3 |
| 217      | 1/9/2011 20:01 | 8.17   | 41.75  | 26.54        | 9.64    | 7.86 | 22.9              | 1.63            | 97.1 |
| 218      | 1/9/2011 20:16 | 8.19   | 41.54  | 26.40        | 9.63    | 7.86 | 21.7              | 1.59            | 96.9 |
| 219      | 1/9/2011 20:31 | 8.15   | 41.99  | 26.71        | 9.61    | 7.86 | 20.5              | 1.59            | 96.8 |
| 220      | 1/9/2011 20:46 | 8.16   | 41.78  | 26.56        | 9.61    | 7.86 | 21.7              | 1.59            | 96.7 |
| 221      | 1/9/2011 21:01 | 8.21   | 41.87  | 26.63        | 9.60    | 7.86 | 20.8              | 1.58            | 96.8 |
| 222      | 1/9/2011 21:16 | 8.22   | 42.15  | 26.83        | 9.57    | 7.86 | 19.7              | 1.63            | 96.7 |
| 223      | 1/9/2011 21:31 | 8.24   | 42.04  | 26.75        | 9.58    | 7.86 | 19.8              | 1.67            | 96.8 |
| 224      | 1/9/2011 21:46 | 8.24   | 41.90  | 26.65        | 9.60    | 7.86 | 18.3              | 1.71            | 96.9 |
| 225      | 1/9/2011 22:01 | 8.31   | 42.09  | 26.79        | 9.54    | 7.85 | 18.7              | 1.77            | 96.6 |
| 226      | 1/9/2011 22:16 | 8.28   | 42.05  | 26.76        | 9.56    | 7.86 | 17.1              | 1.84            | 96.7 |
| 227      | 1/9/2011 22:31 | 8.34   | 41.84  | 26.62        | 9.57    | 7.86 | 16.9              | 1.91            | 96.8 |
| 228      | 1/9/2011 22:46 | 8.33   | 41.63  | 26.47        | 9.58    | 7.85 | 17.1              | 1.99            | 96.8 |
| 229      | 1/9/2011 23:01 | 8.53   | 42.38  | 27.01        | 9.49    | 7.86 | 20.1              | 2.04            | 96.6 |
| 230      | 1/9/2011 23:16 | 8.51   | 42.00  | 26.74        | 9.52    | 7.85 | 16.2              | 2.12            | 96.8 |
| 231      | 1/9/2011 23:31 | 8.60   | 42.25  | 26.92        | 9.48    | 7.86 | 14.6              | 2.21            | 96.7 |
| 232      | 1/9/2011 23:46 | 8.71   | 42.53  | 27.13        | 9.43    | 7.86 | 14.1              | 2.29            | 96.5 |
| 233      | 1/10/2011 0:01 | 8.89   | 43.63  | 27.91        | 9.35    | 7.87 | 12.7              | 2.35            | 96.6 |
| 234      | 1/10/2011 0:16 | 8.94   | 43.81  | 28.04        | 9.32    | 7.87 | 14.4              | 2.45            | 96.5 |
| 235      | 1/10/2011 0:31 | 8.94   | 44.01  | 28.19        | 9.32    | 7.88 | 12.8              | 2.53            | 96.5 |
| 236      | 1/10/2011 0:46 | 8.92   | 43.93  | 28.13        | 9.33    | 7.88 | 11.0              | 2.61            | 96.6 |
| 237      | 1/10/2011 1:01 | 9.11   | 44.51  | 28.55        | 9.22    | 7.88 | 15.9              | 2.69            | 96.1 |
| 238      | 1/10/2011 1:16 | 9.15   | 44.77  | 28.74        | 9.20    | 7.88 | 16.1              | 2.77            | 96.1 |
| 239      | 1/10/2011 1:31 | 9.16   | 44.85  | 28.79        | 9.18    | 7.88 | 20.5              | 2.84            | 96.0 |
| 240      | 1/10/2011 1:46 | 9.25   | 44.97  | 28.88        | 9.14    | 7.88 | 18.5              | 2.91            | 95.7 |
| 241      | 1/10/2011 2:01 | 9.21   | 45.34  | 29.15        | 9.12    | 7.89 | 18.4              | 2.97            | 95.7 |
| 242      | 1/10/2011 2:16 | 9.21   | 45.41  | 29.20        | 9.11    | 7.89 | 15.6              | 3.04            | 95.6 |
| 243      | 1/10/2011 2:31 | 9.26   | 45.97  | 29.60        | 9.05    | 7.89 | 18.5              | 3.11            | 95.3 |
| 244      | 1/10/2011 2:46 | 9.29   | 46.33  | 29.85        | 8.99    | 7.89 | 16.2              | 3.17            | 94.9 |
| 245      | 1/10/2011 3:01 | 9.30   | 46.56  | 30.02        | 8.91    | 7.89 | 14.8              | 3.23            | 94.2 |
| 246      | 1/10/2011 3:16 | 9.34   | 47.08  | 30.40        | 8.84    | 7.89 | 10.7              | 3.27            | 93.8 |
| 247      | 1/10/2011 3:31 | 9.37   | 47.08  | 30.40        | 8.81    | 7.89 | 8.9               | 3.31            | 93.4 |
| 248      | 1/10/2011 3:46 | 9.37   | 47.34  | 30.58        | 8.75    | 7.89 | 5.5               | 3.32            | 93.0 |
| 249      | 1/10/2011 4:01 | 9.38   | 47.19  | 30.48        | 8.76    | 7.89 | 7.3               | 3.32            | 93.0 |
| 250      | 1/10/2011 4:16 | 9.39   | 47.41  | 30.64        | 8.75    | 7.89 | 7.2               | 3.30            | 93.0 |
| 251      | 1/10/2011 4:31 | 9.36   | 47.19  | 30.47        | 8.79    | 7.89 | 7.8               | 3.27            | 93.3 |
| 252      | 1/10/2011 4:46 | 9.14   | 46.42  | 29.91        | 8.90    | 7.88 | 10.8              | 3.22            | 93.7 |
| 253      | 1/10/2011 5:01 | 8.84   | 45.95  | 29.55        | 9.03    | 7.88 | 10.8              | 3.17            | 94.2 |
| 254      | 1/10/2011 5:16 | 9.04   | 45.84  | 29.49        | 9.02    | 7.89 | 14.3              | 3.10            | 94.5 |
| 255      | 1/10/2011 5:31 | 8.92   | 45.20  | 29.03        | 9.11    | 7.88 | 18.7              | 3.03            | 94.9 |
| 256      | 1/10/2011 5:46 | 8.89   | 45.11  | 28.96        | 9.12    | 7.88 | 13.3              | 2.95            | 94.8 |
| 257      | 1/10/2011 6:01 | 8.52   | 44.41  | 28.44        | 9.17    | 7.87 | 7.9               | 2.88            | 94.2 |
| 258      | 1/10/2011 6:16 | 8.61   | 44.35  | 28.41        | 9.16    | 7.87 | 7.1               | 2.80            | 94.3 |
| 259      | 1/10/2011 6:31 | 8.52   | 44.39  | 28.42        | 9.18    | 7.87 | 6.9               | 2.72            | 94.3 |
| 260      | 1/10/2011 6:46 | 8.45   | 44.31  | 28.36        | 9.22    | 7.87 | 8.6               | 2.65            | 94.6 |
| 261      | 1/10/2011 7:01 | 8.33   | 43.88  | 28.05        | 9.32    | 7.87 | 11.4              | 2.58            | 95.1 |
| 262      | 1/10/2011 7:16 | 8.26   | 44.02  | 28.14        | 9.23    | 7.86 | 7.3               | 2.50            | 94.1 |
| 263      | 1/10/2011 7:31 | 8.12   | 43.61  | 27.85        | 9.27    | 7.86 | 8.1               | 2.44            | 94.0 |
| 264      | 1/10/2011 7:46 | 7.99   | 43.14  | 27.50        | 9.36    | 7.85 | 8.3               | 2.35            | 94.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 265      | 1/10/2011 8:01  | 7.97   | 43.24  | 27.58        | 9.36    | 7.85 | 8.7               | 2.30            | 94.4 |
| 266      | 1/10/2011 8:16  | 7.84   | 43.01  | 27.40        | 9.38    | 7.85 | 8.9               | 2.23            | 94.3 |
| 267      | 1/10/2011 8:31  | 7.76   | 43.01  | 27.40        | 9.37    | 7.85 | 8.7               | 2.17            | 94.0 |
| 268      | 1/10/2011 8:46  | 7.67   | 42.83  | 27.27        | 9.39    | 7.79 | 8.8               | 2.12            | 94.0 |
| 269      | 1/10/2011 9:01  | 7.62   | 42.63  | 27.12        | 9.41    | 7.79 | 8.7               | 2.08            | 94.0 |
| 270      | 1/10/2011 9:16  | 7.65   | 42.54  | 27.06        | 9.38    | 7.79 | 7.9               | 2.06            | 93.7 |
| 271      | 1/10/2011 9:31  | 7.62   | 42.29  | 26.89        | 9.36    | 7.78 | 7.4               | 2.02            | 93.3 |
| 272      | 1/10/2011 9:46  | 8.02   | 42.79  | 27.26        | 9.30    | 7.85 | 8.5               | 2.05            | 93.8 |
| 273      | 1/10/2011 10:01 | 8.07   | 43.08  | 27.47        | 9.32    | 7.85 | 9.3               | 2.07            | 94.2 |
| 274      | 1/10/2011 10:16 | 7.86   | 42.84  | 27.29        | 9.39    | 7.79 | 7.8               | 2.05            | 94.4 |
| 275      | 1/10/2011 10:31 | 7.92   | 43.01  | 27.41        | 9.36    | 7.79 | 8.1               | 2.12            | 94.3 |
| 276      | 1/10/2011 10:46 | 8.01   | 43.11  | 27.49        | 9.33    | 7.85 | 8.5               | 2.15            | 94.3 |
| 277      | 1/10/2011 11:01 | 7.94   | 43.06  | 27.45        | 9.37    | 7.85 | 8.3               | 2.20            | 94.5 |
| 278      | 1/10/2011 11:16 | 8.00   | 42.66  | 27.17        | 9.37    | 7.79 | 7.9               | 2.26            | 94.4 |
| 279      | 1/10/2011 11:31 | 8.17   | 43.38  | 27.69        | 9.28    | 7.85 | 8.4               | 2.31            | 94.2 |
| 280      | 1/10/2011 11:46 | 8.25   | 43.61  | 27.85        | 9.25    | 7.85 | 8.9               | 2.36            | 94.1 |
| 281      | 1/10/2011 12:01 | 8.32   | 43.77  | 27.97        | 9.21    | 7.85 | 8.1               | 2.41            | 94.0 |
| 282      | 1/10/2011 12:16 | 8.20   | 43.63  | 27.87        | 9.30    | 7.86 | 7.0               | 2.46            | 94.5 |
| 283      | 1/10/2011 12:31 | 8.38   | 44.14  | 28.24        | 9.16    | 7.86 | 7.6               | 2.51            | 93.8 |
| 284      | 1/10/2011 12:46 | 8.47   | 44.12  | 28.23        | 9.13    | 7.86 | 7.0               | 2.55            | 93.6 |
| 285      | 1/10/2011 13:01 | 8.44   | 44.11  | 28.22        | 9.20    | 7.86 | 6.7               | 2.59            | 94.3 |
| 286      | 1/10/2011 13:16 | 8.57   | 44.56  | 28.55        | 9.14    | 7.87 | 6.3               | 2.62            | 94.1 |
| 287      | 1/10/2011 13:31 | 8.67   | 44.74  | 28.68        | 9.09    | 7.87 | 6.2               | 2.68            | 93.9 |
| 288      | 1/10/2011 13:46 | 8.77   | 44.71  | 28.67        | 9.16    | 7.87 | 5.4               | 2.71            | 94.9 |
| 289      | 1/10/2011 14:01 | 8.81   | 44.99  | 28.87        | 9.11    | 7.88 | 5.2               | 2.74            | 94.6 |
| 290      | 1/10/2011 14:16 | 8.86   | 45.35  | 29.13        | 9.06    | 7.88 | 4.8               | 2.79            | 94.3 |
| 291      | 1/10/2011 14:31 | 8.90   | 45.52  | 29.25        | 9.00    | 7.88 | 4.5               | 2.81            | 93.8 |
| 292      | 1/10/2011 14:46 | 8.91   | 45.27  | 29.08        | 8.98    | 7.87 | 4.2               | 2.84            | 93.5 |
| 293      | 1/10/2011 15:01 | 8.92   | 45.69  | 29.38        | 8.96    | 7.88 | 4.4               | 2.86            | 93.5 |
| 294      | 1/10/2011 15:16 | 8.94   | 45.50  | 29.24        | 8.92    | 7.87 | 4.1               | 2.87            | 93.0 |
| 295      | 1/10/2011 15:31 | 8.92   | 45.63  | 29.33        | 8.87    | 7.87 | 4.1               | 2.87            | 92.5 |
| 296      | 1/10/2011 15:46 | 8.91   | 45.34  | 29.12        | 8.91    | 7.87 | 4.3               | 2.88            | 92.8 |
| 297      | 1/10/2011 16:01 | 8.90   | 45.64  | 29.34        | 8.94    | 7.88 | 5.1               | 2.86            | 93.2 |
| 298      | 1/10/2011 16:16 | 8.83   | 45.18  | 29.01        | 9.07    | 7.88 | 6.2               | 2.81            | 94.2 |
| 299      | 1/10/2011 16:31 | 8.82   | 45.06  | 28.92        | 9.07    | 7.87 | 5.6               | 2.79            | 94.2 |
| 300      | 1/10/2011 16:46 | 8.79   | 45.13  | 28.97        | 9.07    | 7.87 | 5.6               | 2.74            | 94.1 |
| 301      | 1/10/2011 17:01 | 8.75   | 44.67  | 28.64        | 9.21    | 7.88 | 8.5               | 2.68            | 95.3 |
| 302      | 1/10/2011 17:16 | 8.72   | 44.36  | 28.42        | 9.33    | 7.88 | 7.0               | 2.62            | 96.3 |
| 303      | 1/10/2011 17:31 | 8.66   | 43.97  | 28.14        | 9.43    | 7.88 | 5.9               | 2.56            | 97.0 |
| 304      | 1/10/2011 17:46 | 8.67   | 43.79  | 28.01        | 9.53    | 7.89 | 5.6               | 2.48            | 98.1 |
| 305      | 1/10/2011 18:01 | 8.55   | 43.40  | 27.73        | 9.60    | 7.89 | 5.9               | 2.41            | 98.3 |
| 306      | 1/10/2011 18:16 | 8.51   | 43.59  | 27.86        | 9.57    | 7.89 | 5.9               | 2.34            | 98.0 |
| 307      | 1/10/2011 18:31 | 8.36   | 43.34  | 27.67        | 9.54    | 7.88 | 6.7               | 2.27            | 97.2 |
| 308      | 1/10/2011 18:46 | 8.39   | 43.04  | 27.46        | 9.68    | 7.89 | 6.3               | 2.18            | 98.6 |
| 309      | 1/10/2011 19:01 | 8.29   | 42.92  | 27.37        | 9.73    | 7.89 | 6.3               | 2.11            | 98.8 |
| 310      | 1/10/2011 19:16 | 8.23   | 43.19  | 27.56        | 9.79    | 7.89 | 6.1               | 2.05            | 99.4 |
| 311      | 1/10/2011 19:31 | 8.11   | 43.16  | 27.53        | 9.79    | 7.90 | 6.0               | 1.99            | 99.1 |
| 312      | 1/10/2011 19:46 | 8.04   | 42.78  | 27.26        | 9.80    | 7.90 | 6.1               | 1.92            | 98.9 |
| 313      | 1/10/2011 20:01 | 8.00   | 42.64  | 27.15        | 9.78    | 7.89 | 6.3               | 1.88            | 98.5 |
| 314      | 1/10/2011 20:16 | 7.94   | 42.67  | 27.17        | 9.77    | 7.88 | 6.2               | 1.85            | 98.3 |
| 315      | 1/10/2011 20:31 | 7.88   | 42.56  | 27.09        | 9.84    | 7.83 | 5.9               | 1.80            | 98.8 |
| 316      | 1/10/2011 20:46 | 7.85   | 42.27  | 26.89        | 9.79    | 7.83 | 5.2               | 1.80            | 98.2 |
| 317      | 1/10/2011 21:01 | 8.07   | 42.44  | 27.02        | 9.62    | 7.88 | 5.4               | 1.78            | 97.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 318      | 1/10/2011 21:16 | 7.96   | 42.91  | 27.34        | 9.62    | 7.88 | 5.9               | 1.79            | 96.9 |
| 319      | 1/10/2011 21:31 | 8.08   | 42.79  | 27.27        | 9.57    | 7.88 | 6.3               | 1.81            | 96.6 |
| 320      | 1/10/2011 21:46 | 8.05   | 42.72  | 27.21        | 9.63    | 7.88 | 5.9               | 1.82            | 97.2 |
| 321      | 1/10/2011 22:01 | 7.99   | 42.73  | 27.22        | 9.69    | 7.82 | 5.9               | 1.86            | 97.6 |
| 322      | 1/10/2011 22:16 | 8.13   | 43.00  | 27.42        | 9.60    | 7.88 | 6.1               | 1.89            | 97.2 |
| 323      | 1/10/2011 22:31 | 8.22   | 43.09  | 27.49        | 9.54    | 7.87 | 6.7               | 1.95            | 96.8 |
| 324      | 1/10/2011 22:46 | 7.96   | 42.63  | 27.15        | 9.68    | 7.82 | 6.0               | 2.00            | 97.4 |
| 325      | 1/10/2011 23:01 | 8.07   | 42.64  | 27.16        | 9.63    | 7.90 | 6.1               | 2.06            | 97.2 |
| 326      | 1/10/2011 23:16 | 8.18   | 42.99  | 27.41        | 9.55    | 7.87 | 6.1               | 2.12            | 96.7 |
| 327      | 1/10/2011 23:31 | 8.20   | 42.83  | 27.30        | 9.54    | 7.87 | 6.4               | 2.17            | 96.6 |
| 328      | 1/10/2011 23:46 | 8.24   | 43.14  | 27.52        | 9.53    | 7.87 | 6.1               | 2.25            | 96.7 |
| 329      | 1/11/2011 0:01  | 8.28   | 43.34  | 27.67        | 9.51    | 7.87 | 6.0               | 2.32            | 96.8 |
| 330      | 1/11/2011 0:16  | 8.43   | 43.79  | 28.00        | 9.39    | 7.87 | 5.7               | 2.39            | 96.1 |
| 331      | 1/11/2011 0:31  | 8.51   | 43.82  | 28.02        | 9.33    | 7.87 | 5.9               | 2.45            | 95.6 |
| 332      | 1/11/2011 0:46  | 8.53   | 43.78  | 28.00        | 9.32    | 7.87 | 5.9               | 2.52            | 95.5 |
| 333      | 1/11/2011 1:01  | 8.49   | 43.82  | 28.02        | 9.35    | 7.87 | 5.8               | 2.60            | 95.8 |
| 334      | 1/11/2011 1:16  | 8.54   | 44.34  | 28.39        | 9.32    | 7.88 | 6.5               | 2.66            | 95.9 |
| 335      | 1/11/2011 1:31  | 8.61   | 44.89  | 28.79        | 9.26    | 7.88 | 7.6               | 2.73            | 95.6 |
| 336      | 1/11/2011 1:46  | 8.75   | 45.07  | 28.92        | 9.15    | 7.87 | 4.8               | 2.81            | 94.8 |
| 337      | 1/11/2011 2:01  | 8.78   | 45.43  | 29.18        | 9.11    | 7.87 | 5.3               | 2.89            | 94.7 |
| 338      | 1/11/2011 2:16  | 9.02   | 46.21  | 29.75        | 8.91    | 7.87 | 9.9               | 2.95            | 93.4 |
| 339      | 1/11/2011 2:31  | 9.06   | 46.42  | 29.91        | 8.85    | 7.87 | 8.9               | 3.03            | 93.0 |
| 340      | 1/11/2011 2:46  | 9.07   | 46.51  | 29.97        | 8.82    | 7.87 | 9.5               | 3.10            | 92.7 |
| 341      | 1/11/2011 3:01  | 9.07   | 46.74  | 30.13        | 8.79    | 7.87 | 10.1              | 3.16            | 92.5 |
| 342      | 1/11/2011 3:16  | 9.08   | 47.16  | 30.43        | 8.73    | 7.87 | 9.9               | 3.22            | 92.0 |
| 343      | 1/11/2011 3:31  | 9.11   | 46.77  | 30.16        | 8.68    | 7.87 | 8.5               | 3.26            | 91.4 |
| 344      | 1/11/2011 3:46  | 9.12   | 47.43  | 30.63        | 8.64    | 7.87 | 7.9               | 3.31            | 91.3 |
| 345      | 1/11/2011 4:01  | 9.13   | 47.62  | 30.77        | 8.58    | 7.87 | 4.9               | 3.33            | 90.8 |
| 346      | 1/11/2011 4:16  | 9.14   | 47.67  | 30.81        | 8.56    | 7.87 | 4.6               | 3.36            | 90.6 |
| 347      | 1/11/2011 4:31  | 9.14   | 47.41  | 30.62        | 8.51    | 7.86 | 4.3               | 3.36            | 90.0 |
| 348      | 1/11/2011 4:46  | 9.14   | 47.49  | 30.68        | 8.56    | 7.86 | 6.6               | 3.33            | 90.6 |
| 349      | 1/11/2011 5:01  | 9.14   | 47.73  | 30.85        | 8.58    | 7.87 | 6.4               | 3.32            | 90.8 |
| 350      | 1/11/2011 5:16  | 9.00   | 46.68  | 30.08        | 8.71    | 7.87 | 5.8               | 3.28            | 91.5 |
| 351      | 1/11/2011 5:31  | 8.80   | 46.21  | 29.73        | 8.85    | 7.87 | 7.0               | 3.21            | 92.3 |
| 352      | 1/11/2011 5:46  | 8.95   | 46.40  | 29.88        | 8.78    | 7.86 | 7.5               | 3.16            | 92.0 |
| 353      | 1/11/2011 6:01  | 8.85   | 46.27  | 29.78        | 8.84    | 7.87 | 8.7               | 3.10            | 92.4 |
| 354      | 1/11/2011 6:16  | 8.72   | 45.34  | 29.11        | 8.99    | 7.86 | 6.8               | 3.02            | 93.2 |
| 355      | 1/11/2011 6:31  | 8.62   | 45.49  | 29.21        | 9.02    | 7.87 | 7.2               | 2.95            | 93.4 |
| 356      | 1/11/2011 6:46  | 8.54   | 45.25  | 29.04        | 9.04    | 7.86 | 5.0               | 2.89            | 93.4 |
| 357      | 1/11/2011 7:01  | 8.60   | 45.48  | 29.21        | 9.00    | 7.86 | 4.6               | 2.80            | 93.1 |
| 358      | 1/11/2011 7:16  | 8.61   | 45.41  | 29.15        | 9.02    | 7.86 | 4.2               | 2.73            | 93.3 |
| 359      | 1/11/2011 7:31  | 8.47   | 44.44  | 28.45        | 9.18    | 7.86 | 5.6               | 2.66            | 94.2 |
| 360      | 1/11/2011 7:46  | 8.52   | 44.70  | 28.65        | 9.10    | 7.86 | 4.3               | 2.59            | 93.7 |
| 361      | 1/11/2011 8:01  | 8.37   | 44.39  | 28.41        | 9.23    | 7.86 | 5.2               | 2.52            | 94.5 |
| 362      | 1/11/2011 8:16  | 8.43   | 44.34  | 28.38        | 9.15    | 7.86 | 4.8               | 2.45            | 93.8 |
| 363      | 1/11/2011 8:31  | 8.27   | 43.80  | 27.99        | 9.31    | 7.86 | 4.7               | 2.39            | 94.9 |
| 364      | 1/11/2011 8:46  | 8.24   | 44.11  | 28.21        | 9.28    | 7.86 | 4.3               | 2.33            | 94.7 |
| 365      | 1/11/2011 9:01  | 8.24   | 43.95  | 28.10        | 9.22    | 7.85 | 4.1               | 2.26            | 94.0 |
| 366      | 1/11/2011 9:16  | 8.17   | 43.77  | 27.97        | 9.29    | 7.85 | 3.8               | 2.20            | 94.4 |
| 367      | 1/11/2011 9:31  | 8.14   | 43.62  | 27.86        | 9.30    | 7.85 | 3.7               | 2.15            | 94.4 |
| 368      | 1/11/2011 9:46  | 8.11   | 43.68  | 27.90        | 9.28    | 7.85 | 4.0               | 2.11            | 94.2 |
| 369      | 1/11/2011 10:01 | 8.11   | 43.38  | 27.68        | 9.31    | 7.86 | 3.8               | 2.08            | 94.3 |
| 370      | 1/11/2011 10:16 | 8.08   | 43.39  | 27.69        | 9.33    | 7.86 | 3.7               | 2.05            | 94.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |      |
| 371      | 1/11/2011 10:31 | 8.08   | 43.45  | 27.73        | 9.26    | 7.86 | 3.3        | 2.03   | 93.8 |
| 372      | 1/11/2011 10:46 | 8.10   | 43.45  | 27.73        | 9.34    | 7.86 | 3.7        | 2.06   | 94.6 |
| 373      | 1/11/2011 11:01 | 8.11   | 43.71  | 27.92        | 9.34    | 7.86 | 3.6        | 2.07   | 94.8 |
| 374      | 1/11/2011 11:16 | 8.13   | 43.48  | 27.75        | 9.34    | 7.86 | 3.6        | 2.06   | 94.8 |
| 375      | 1/11/2011 11:31 | 8.20   | 43.71  | 27.92        | 9.23    | 7.85 | 3.9        | 2.11   | 93.9 |
| 376      | 1/11/2011 11:46 | 8.22   | 44.02  | 28.14        | 9.21    | 7.85 | 4.5        | 2.16   | 93.9 |
| 377      | 1/11/2011 12:01 | 8.09   | 43.15  | 27.52        | 9.37    | 7.85 | 3.9        | 2.18   | 94.8 |
| 378      | 1/11/2011 12:16 | 8.14   | 43.51  | 27.77        | 9.29    | 7.79 | 4.2        | 2.22   | 94.3 |
| 379      | 1/11/2011 12:31 | 8.23   | 43.42  | 27.72        | 9.26    | 7.79 | 4.3        | 2.26   | 94.1 |
| 380      | 1/11/2011 12:46 | 8.27   | 43.79  | 27.98        | 9.21    | 7.85 | 4.0        | 2.31   | 93.9 |
| 381      | 1/11/2011 13:01 | 8.30   | 44.14  | 28.23        | 9.16    | 7.85 | 4.1        | 2.35   | 93.6 |
| 382      | 1/11/2011 13:16 | 8.30   | 43.83  | 28.02        | 9.17    | 7.85 | 4.3        | 2.38   | 93.6 |
| 383      | 1/11/2011 13:31 | 8.31   | 43.87  | 28.04        | 9.20    | 7.85 | 4.2        | 2.43   | 93.9 |
| 384      | 1/11/2011 13:46 | 8.41   | 44.48  | 28.48        | 9.10    | 7.85 | 4.0        | 2.47   | 93.4 |
| 385      | 1/11/2011 14:01 | 8.42   | 44.48  | 28.48        | 9.13    | 7.86 | 4.0        | 2.51   | 93.7 |
| 386      | 1/11/2011 14:16 | 8.50   | 44.67  | 28.62        | 9.06    | 7.85 | 4.0        | 2.55   | 93.2 |
| 387      | 1/11/2011 14:31 | 8.52   | 44.87  | 28.77        | 9.15    | 7.86 | 4.0        | 2.58   | 94.2 |
| 388      | 1/11/2011 14:46 | 8.55   | 44.63  | 28.60        | 9.19    | 7.86 | 3.4        | 2.62   | 94.6 |
| 389      | 1/11/2011 15:01 | 8.65   | 45.08  | 28.92        | 9.04    | 7.86 | 3.7        | 2.66   | 93.5 |
| 390      | 1/11/2011 15:16 | 8.76   | 45.98  | 29.57        | 8.85    | 7.86 | 3.7        | 2.69   | 92.1 |
| 391      | 1/11/2011 15:31 | 8.76   | 45.86  | 29.48        | 8.84    | 7.86 | 3.7        | 2.71   | 92.0 |
| 392      | 1/11/2011 15:46 | 8.78   | 46.17  | 29.71        | 8.83    | 7.86 | 3.7        | 2.73   | 92.0 |
| 393      | 1/11/2011 16:01 | 8.75   | 45.88  | 29.50        | 8.84    | 7.86 | 3.4        | 2.75   | 91.9 |
| 394      | 1/11/2011 16:16 | 8.73   | 45.45  | 29.19        | 8.91    | 7.86 | 3.3        | 2.77   | 92.5 |
| 395      | 1/11/2011 16:31 | 8.71   | 45.78  | 29.42        | 8.95    | 7.86 | 3.3        | 2.76   | 93.0 |
| 396      | 1/11/2011 16:46 | 8.72   | 45.45  | 29.19        | 8.83    | 7.85 | 2.9        | 2.76   | 91.6 |
| 397      | 1/11/2011 17:01 | 8.73   | 45.93  | 29.53        | 8.78    | 7.86 | 3.2        | 2.75   | 91.4 |
| 398      | 1/11/2011 17:16 | 8.77   | 46.05  | 29.62        | 8.71    | 7.86 | 3.2        | 2.73   | 90.7 |
| 399      | 1/11/2011 17:31 | 8.73   | 45.46  | 29.20        | 8.85    | 7.85 | 3.7        | 2.70   | 91.8 |
| 400      | 1/11/2011 17:46 | 8.67   | 45.62  | 29.31        | 8.94    | 7.86 | 3.8        | 2.64   | 92.7 |
| 401      | 1/11/2011 18:01 | 8.61   | 45.15  | 28.97        | 9.03    | 7.86 | 4.4        | 2.60   | 93.3 |
| 402      | 1/11/2011 18:16 | 8.57   | 44.95  | 28.82        | 9.13    | 7.86 | 4.8        | 2.57   | 94.2 |
| 403      | 1/11/2011 18:31 | 8.46   | 44.57  | 28.55        | 9.23    | 7.86 | 4.9        | 2.51   | 94.8 |
| 404      | 1/11/2011 18:46 | 8.31   | 44.12  | 28.22        | 9.38    | 7.87 | 6.5        | 2.46   | 95.9 |
| 405      | 1/11/2011 19:01 | 8.30   | 43.96  | 28.11        | 9.48    | 7.86 | 11.0       | 2.39   | 96.7 |
| 406      | 1/11/2011 19:16 | 8.27   | 43.70  | 27.92        | 9.46    | 7.86 | 9.8        | 2.36   | 96.4 |
| 407      | 1/11/2011 19:31 | 8.25   | 43.62  | 27.86        | 9.47    | 7.85 | 12.9       | 2.30   | 96.4 |
| 408      | 1/11/2011 19:46 | 8.24   | 43.55  | 27.81        | 9.49    | 7.85 | 15.1       | 2.24   | 96.6 |
| 409      | 1/11/2011 20:01 | 8.21   | 43.43  | 27.72        | 9.50    | 7.86 | 13.2       | 2.21   | 96.6 |
| 410      | 1/11/2011 20:16 | 8.15   | 43.23  | 27.58        | 9.54    | 7.86 | 10.3       | 2.16   | 96.7 |
| 411      | 1/11/2011 20:31 | 8.11   | 42.97  | 27.40        | 9.58    | 7.86 | 9.2        | 2.13   | 96.9 |
| 412      | 1/11/2011 20:46 | 8.09   | 43.12  | 27.50        | 9.61    | 7.86 | 9.2        | 2.11   | 97.2 |
| 413      | 1/11/2011 21:01 | 8.14   | 43.19  | 27.55        | 9.50    | 7.86 | 8.2        | 2.08   | 96.3 |
| 414      | 1/11/2011 21:16 | 8.27   | 43.56  | 27.82        | 9.37    | 7.86 | 7.6        | 2.06   | 95.4 |
| 415      | 1/11/2011 21:31 | 8.10   | 42.93  | 27.37        | 9.52    | 7.80 | 7.1        | 2.06   | 96.3 |
| 416      | 1/11/2011 21:46 | 8.11   | 42.90  | 27.35        | 9.58    | 7.80 | 8.4        | 2.06   | 96.9 |
| 417      | 1/11/2011 22:01 | 8.13   | 42.98  | 27.40        | 9.54    | 7.80 | 8.1        | 2.06   | 96.6 |
| 418      | 1/11/2011 22:16 | 8.26   | 43.83  | 28.01        | 9.35    | 7.86 | 7.4        | 2.08   | 95.3 |
| 419      | 1/11/2011 22:31 | 8.17   | 43.18  | 27.55        | 9.54    | 7.86 | 7.6        | 2.11   | 96.7 |
| 420      | 1/11/2011 22:46 | 8.30   | 43.78  | 27.98        | 9.31    | 7.85 | 6.8        | 2.14   | 94.9 |
| 421      | 1/11/2011 23:01 | 8.32   | 43.70  | 27.93        | 9.30    | 7.85 | 6.1        | 2.18   | 94.8 |
| 422      | 1/11/2011 23:16 | 8.30   | 43.64  | 27.88        | 9.36    | 7.85 | 6.2        | 2.21   | 95.4 |
| 423      | 1/11/2011 23:31 | 8.43   | 44.08  | 28.20        | 9.17    | 7.85 | 7.3        | 2.28   | 94.0 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 424      | 1/11/2011 23:46 | 8.47   | 44.42  | 28.45        | 9.15    | 7.85 | 6.5               | 2.33            | 94.0 |
| 425      | 1/12/2011 0:01  | 8.42   | 44.23  | 28.31        | 9.24    | 7.85 | 5.2               | 2.38            | 94.7 |
| 426      | 1/12/2011 0:16  | 8.43   | 44.38  | 28.42        | 9.25    | 7.86 | 4.8               | 2.44            | 94.8 |
| 427      | 1/12/2011 0:31  | 8.54   | 44.48  | 28.49        | 9.13    | 7.85 | 5.0               | 2.51            | 93.9 |
| 428      | 1/12/2011 0:46  | 8.56   | 45.07  | 28.91        | 9.14    | 7.86 | 4.5               | 2.57            | 94.4 |
| 429      | 1/12/2011 1:01  | 8.56   | 44.68  | 28.63        | 9.21    | 7.86 | 5.4               | 2.64            | 94.9 |
| 430      | 1/12/2011 1:16  | 8.58   | 44.74  | 28.68        | 9.23    | 7.86 | 6.0               | 2.70            | 95.2 |
| 431      | 1/12/2011 1:31  | 8.63   | 45.28  | 29.06        | 9.18    | 7.86 | 5.4               | 2.76            | 94.9 |
| 432      | 1/12/2011 1:46  | 8.67   | 45.62  | 29.31        | 9.14    | 7.86 | 5.4               | 2.83            | 94.8 |
| 433      | 1/12/2011 2:01  | 8.72   | 45.67  | 29.35        | 9.06    | 7.86 | 4.5               | 2.89            | 94.1 |
| 434      | 1/12/2011 2:16  | 8.74   | 45.77  | 29.42        | 9.05    | 7.86 | 5.1               | 2.97            | 94.1 |
| 435      | 1/12/2011 2:31  | 8.80   | 46.00  | 29.59        | 8.96    | 7.86 | 4.8               | 3.03            | 93.4 |
| 436      | 1/12/2011 2:46  | 8.89   | 46.49  | 29.95        | 8.81    | 7.86 | 5.2               | 3.10            | 92.2 |
| 437      | 1/12/2011 3:01  | 8.97   | 46.60  | 30.03        | 8.72    | 7.86 | 5.7               | 3.18            | 91.5 |
| 438      | 1/12/2011 3:16  | 9.01   | 47.00  | 30.32        | 8.70    | 7.86 | 6.3               | 3.24            | 91.5 |
| 439      | 1/12/2011 3:31  | 9.03   | 47.20  | 30.46        | 8.64    | 7.86 | 6.8               | 3.31            | 91.0 |
| 440      | 1/12/2011 3:46  | 9.06   | 47.34  | 30.56        | 8.67    | 7.86 | 6.7               | 3.36            | 91.4 |
| 441      | 1/12/2011 4:01  | 9.09   | 47.34  | 30.57        | 8.68    | 7.86 | 6.1               | 3.41            | 91.6 |
| 442      | 1/12/2011 4:16  | 9.12   | 47.68  | 30.81        | 8.65    | 7.86 | 5.2               | 3.45            | 91.5 |
| 443      | 1/12/2011 4:31  | 9.16   | 47.59  | 30.75        | 8.61    | 7.86 | 5.0               | 3.48            | 91.1 |
| 444      | 1/12/2011 4:46  | 9.18   | 47.94  | 31.00        | 8.56    | 7.86 | 3.6               | 3.50            | 90.8 |
| 445      | 1/12/2011 5:01  | 9.20   | 47.78  | 30.88        | 8.51    | 7.85 | 2.8               | 3.51            | 90.3 |
| 446      | 1/12/2011 5:16  | 9.20   | 47.90  | 30.97        | 8.55    | 7.85 | 5.1               | 3.50            | 90.7 |
| 447      | 1/12/2011 5:31  | 9.19   | 47.92  | 30.99        | 8.60    | 7.86 | 5.1               | 3.47            | 91.3 |
| 448      | 1/12/2011 5:46  | 9.17   | 47.56  | 30.73        | 8.62    | 7.86 | 5.4               | 3.43            | 91.3 |
| 449      | 1/12/2011 6:01  | 9.08   | 47.53  | 30.70        | 8.66    | 7.86 | 5.3               | 3.40            | 91.5 |
| 450      | 1/12/2011 6:16  | 8.89   | 46.28  | 29.79        | 8.84    | 7.85 | 5.7               | 3.35            | 92.4 |
| 451      | 1/12/2011 6:31  | 9.02   | 46.78  | 30.16        | 8.73    | 7.85 | 7.3               | 3.26            | 91.8 |
| 452      | 1/12/2011 6:46  | 8.97   | 46.64  | 30.06        | 8.75    | 7.86 | 7.3               | 3.20            | 91.9 |
| 453      | 1/12/2011 7:01  | 8.93   | 46.51  | 29.96        | 8.81    | 7.86 | 6.5               | 3.14            | 92.3 |
| 454      | 1/12/2011 7:16  | 8.87   | 46.20  | 29.74        | 8.84    | 7.85 | 5.1               | 3.06            | 92.4 |
| 455      | 1/12/2011 7:31  | 8.86   | 46.25  | 29.77        | 8.85    | 7.85 | 3.9               | 2.99            | 92.4 |
| 456      | 1/12/2011 7:46  | 8.86   | 46.07  | 29.64        | 8.88    | 7.85 | 3.8               | 2.91            | 92.7 |
| 457      | 1/12/2011 8:01  | 8.84   | 45.93  | 29.54        | 8.95    | 7.85 | 3.8               | 2.84            | 93.3 |
| 458      | 1/12/2011 8:16  | 8.80   | 45.72  | 29.39        | 9.00    | 7.85 | 3.7               | 2.77            | 93.7 |
| 459      | 1/12/2011 8:31  | 8.77   | 45.55  | 29.26        | 9.07    | 7.85 | 3.8               | 2.71            | 94.2 |
| 460      | 1/12/2011 8:46  | 8.76   | 45.72  | 29.39        | 9.08    | 7.85 | 3.8               | 2.64            | 94.5 |
| 461      | 1/12/2011 9:01  | 8.60   | 44.58  | 28.56        | 9.31    | 7.85 | 5.7               | 2.56            | 95.9 |
| 462      | 1/12/2011 9:16  | 8.60   | 44.31  | 28.38        | 9.33    | 7.85 | 4.9               | 2.51            | 96.1 |
| 463      | 1/12/2011 9:31  | 8.56   | 44.24  | 28.33        | 9.38    | 7.85 | 4.6               | 2.44            | 96.4 |
| 464      | 1/12/2011 9:46  | 8.59   | 43.70  | 27.94        | 9.42    | 7.85 | 4.8               | 2.37            | 96.7 |
| 465      | 1/12/2011 10:01 | 8.61   | 44.10  | 28.23        | 9.44    | 7.85 | 4.7               | 2.29            | 97.1 |
| 466      | 1/12/2011 10:16 | 8.71   | 44.03  | 28.19        | 9.45    | 7.85 | 4.9               | 2.24            | 97.4 |
| 467      | 1/12/2011 10:31 | 8.69   | 43.79  | 28.01        | 9.51    | 7.86 | 4.5               | 2.19            | 97.8 |
| 468      | 1/12/2011 10:46 | 8.68   | 43.48  | 27.79        | 9.55    | 7.85 | 4.3               | 2.13            | 98.1 |
| 469      | 1/12/2011 11:01 | 8.68   | 43.54  | 27.84        | 9.57    | 7.86 | 4.3               | 2.07            | 98.4 |
| 470      | 1/12/2011 11:16 | 8.69   | 43.27  | 27.65        | 9.61    | 7.86 | 4.4               | 2.06            | 98.6 |
| 471      | 1/12/2011 11:31 | 8.70   | 43.42  | 27.75        | 9.52    | 7.86 | 3.8               | 2.05            | 97.8 |
| 472      | 1/12/2011 11:46 | 8.80   | 43.36  | 27.72        | 9.56    | 7.86 | 4.3               | 2.03            | 98.5 |
| 473      | 1/12/2011 12:01 | 8.87   | 43.22  | 27.62        | 9.59    | 7.86 | 4.6               | 2.04            | 98.9 |
| 474      | 1/12/2011 12:16 | 8.88   | 43.32  | 27.70        | 9.60    | 7.86 | 4.1               | 2.05            | 99.0 |
| 475      | 1/12/2011 12:31 | 8.65   | 44.12  | 28.24        | 9.36    | 7.85 | 4.5               | 2.08            | 96.4 |
| 476      | 1/12/2011 12:46 | 8.78   | 43.67  | 27.93        | 9.41    | 7.85 | 4.5               | 2.11            | 97.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 477      | 1/12/2011 13:01 | 8.86   | 43.57  | 27.87        | 9.48    | 7.85 | 4.7               | 2.14            | 97.9 |
| 478      | 1/12/2011 13:16 | 9.04   | 43.35  | 27.72        | 9.49    | 7.85 | 4.4               | 2.18            | 98.2 |
| 479      | 1/12/2011 13:31 | 8.99   | 43.49  | 27.82        | 9.41    | 7.84 | 4.2               | 2.23            | 97.3 |
| 480      | 1/12/2011 13:46 | 8.95   | 43.41  | 27.76        | 9.34    | 7.84 | 3.9               | 2.26            | 96.6 |
| 481      | 1/12/2011 14:01 | 8.92   | 44.01  | 28.18        | 9.27    | 7.84 | 3.8               | 2.29            | 95.9 |
| 482      | 1/12/2011 14:16 | 8.92   | 44.11  | 28.25        | 9.26    | 7.84 | 3.6               | 2.34            | 96.0 |
| 483      | 1/12/2011 14:31 | 8.77   | 44.52  | 28.53        | 9.14    | 7.84 | 3.3               | 2.37            | 94.5 |
| 484      | 1/12/2011 14:46 | 8.80   | 44.97  | 28.85        | 9.16    | 7.84 | 3.7               | 2.40            | 95.0 |
| 485      | 1/12/2011 15:01 | 8.80   | 45.13  | 28.97        | 9.03    | 7.84 | 3.7               | 2.43            | 93.8 |
| 486      | 1/12/2011 15:16 | 8.88   | 44.73  | 28.69        | 9.12    | 7.85 | 3.7               | 2.47            | 94.6 |
| 487      | 1/12/2011 15:31 | 8.97   | 44.75  | 28.71        | 9.15    | 7.84 | 3.6               | 2.51            | 95.2 |
| 488      | 1/12/2011 15:46 | 9.06   | 44.55  | 28.57        | 9.24    | 7.85 | 3.8               | 2.55            | 96.2 |
| 489      | 1/12/2011 16:01 | 9.07   | 44.60  | 28.61        | 9.27    | 7.85 | 3.9               | 2.57            | 96.6 |
| 490      | 1/12/2011 16:16 | 8.99   | 44.98  | 28.88        | 9.16    | 7.85 | 3.7               | 2.61            | 95.4 |
| 491      | 1/12/2011 16:31 | 8.98   | 44.94  | 28.85        | 9.15    | 7.85 | 3.7               | 2.64            | 95.3 |
| 492      | 1/12/2011 16:46 | 8.89   | 45.38  | 29.16        | 8.99    | 7.84 | 3.2               | 2.66            | 93.7 |
| 493      | 1/12/2011 17:01 | 8.89   | 45.33  | 29.12        | 8.97    | 7.85 | 3.7               | 2.69            | 93.4 |
| 494      | 1/12/2011 17:16 | 8.89   | 45.64  | 29.34        | 8.88    | 7.84 | 3.8               | 2.69            | 92.6 |
| 495      | 1/12/2011 17:31 | 8.93   | 45.28  | 29.08        | 8.98    | 7.84 | 3.2               | 2.72            | 93.6 |
| 496      | 1/12/2011 17:46 | 8.94   | 45.33  | 29.12        | 9.02    | 7.85 | 3.7               | 2.72            | 94.0 |
| 497      | 1/12/2011 18:01 | 8.92   | 45.35  | 29.13        | 8.96    | 7.85 | 3.2               | 2.71            | 93.4 |
| 498      | 1/12/2011 18:16 | 8.90   | 45.23  | 29.05        | 8.95    | 7.84 | 4.0               | 2.71            | 93.2 |
| 499      | 1/12/2011 18:31 | 8.92   | 45.51  | 29.25        | 9.00    | 7.85 | 3.4               | 2.69            | 93.8 |
| 500      | 1/12/2011 18:46 | 8.96   | 44.98  | 28.87        | 9.10    | 7.85 | 4.3               | 2.67            | 94.7 |
| 501      | 1/12/2011 19:01 | 9.00   | 45.09  | 28.96        | 9.17    | 7.85 | 4.0               | 2.64            | 95.6 |
| 502      | 1/12/2011 19:16 | 9.02   | 44.97  | 28.87        | 9.14    | 7.85 | 3.9               | 2.60            | 95.3 |
| 503      | 1/12/2011 19:31 | 9.18   | 44.77  | 28.74        | 9.17    | 7.85 | 4.3               | 2.56            | 95.8 |
| 504      | 1/12/2011 19:46 | 9.10   | 44.74  | 28.71        | 9.15    | 7.84 | 3.8               | 2.52            | 95.4 |
| 505      | 1/12/2011 20:01 | 9.09   | 44.66  | 28.66        | 9.17    | 7.84 | 3.7               | 2.49            | 95.7 |
| 506      | 1/12/2011 20:16 | 9.10   | 44.24  | 28.36        | 9.23    | 7.84 | 3.7               | 2.44            | 96.1 |
| 507      | 1/12/2011 20:31 | 9.23   | 44.20  | 28.34        | 9.25    | 7.84 | 3.5               | 2.39            | 96.5 |
| 508      | 1/12/2011 20:46 | 9.30   | 44.41  | 28.49        | 9.19    | 7.84 | 3.5               | 2.36            | 96.2 |
| 509      | 1/12/2011 21:01 | 9.13   | 44.08  | 28.24        | 9.17    | 7.84 | 2.8               | 2.33            | 95.4 |
| 510      | 1/12/2011 21:16 | 9.15   | 44.07  | 28.24        | 9.16    | 7.84 | 2.9               | 2.31            | 95.4 |
| 511      | 1/12/2011 21:31 | 9.15   | 44.02  | 28.20        | 9.18    | 7.84 | 2.9               | 2.27            | 95.5 |
| 512      | 1/12/2011 21:46 | 9.20   | 44.27  | 28.39        | 9.15    | 7.84 | 2.8               | 2.28            | 95.5 |
| 513      | 1/12/2011 22:01 | 9.28   | 44.26  | 28.38        | 9.23    | 7.85 | 3.5               | 2.31            | 96.5 |
| 514      | 1/12/2011 22:16 | 9.25   | 44.13  | 28.29        | 9.14    | 7.84 | 3.4               | 2.30            | 95.4 |
| 515      | 1/12/2011 22:31 | 9.18   | 44.09  | 28.26        | 9.20    | 7.84 | 3.2               | 2.29            | 95.8 |
| 516      | 1/12/2011 22:46 | 9.09   | 44.43  | 28.49        | 9.15    | 7.84 | 3.1               | 2.33            | 95.3 |
| 517      | 1/12/2011 23:01 | 9.13   | 44.20  | 28.33        | 9.19    | 7.84 | 3.8               | 2.35            | 95.7 |
| 518      | 1/12/2011 23:16 | 9.16   | 44.10  | 28.27        | 9.23    | 7.85 | 2.8               | 2.34            | 96.1 |
| 519      | 1/12/2011 23:31 | 9.12   | 44.11  | 28.27        | 9.19    | 7.84 | 3.2               | 2.38            | 95.6 |
| 520      | 1/12/2011 23:46 | 9.08   | 44.69  | 28.67        | 9.06    | 7.83 | 3.7               | 2.40            | 94.4 |
| 521      | 1/13/2011 0:01  | 9.05   | 44.63  | 28.63        | 9.10    | 7.84 | 3.6               | 2.44            | 94.8 |
| 522      | 1/13/2011 0:16  | 9.04   | 44.77  | 28.73        | 9.09    | 7.84 | 4.1               | 2.45            | 94.7 |
| 523      | 1/13/2011 0:31  | 9.02   | 45.05  | 28.93        | 9.03    | 7.84 | 3.4               | 2.49            | 94.2 |
| 524      | 1/13/2011 0:46  | 9.03   | 44.98  | 28.88        | 9.02    | 7.84 | 3.8               | 2.54            | 94.0 |
| 525      | 1/13/2011 1:01  | 9.10   | 44.87  | 28.80        | 9.08    | 7.84 | 4.5               | 2.59            | 94.7 |
| 526      | 1/13/2011 1:16  | 9.10   | 45.03  | 28.92        | 9.06    | 7.84 | 4.1               | 2.63            | 94.7 |
| 527      | 1/13/2011 1:31  | 9.10   | 45.07  | 28.95        | 9.15    | 7.85 | 5.2               | 2.69            | 95.6 |
| 528      | 1/13/2011 1:46  | 9.09   | 44.92  | 28.84        | 9.15    | 7.85 | 5.9               | 2.75            | 95.5 |
| 529      | 1/13/2011 2:01  | 9.06   | 45.43  | 29.20        | 9.15    | 7.85 | 5.2               | 2.82            | 95.7 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 530      | 1/13/2011 2:16  | 9.04   | 45.48  | 29.23        | 9.14    | 7.85 | 6.7        | 2.88   | 95.6  |
| 531      | 1/13/2011 2:31  | 9.09   | 45.76  | 29.44        | 9.09    | 7.85 | 4.8        | 2.94   | 95.2  |
| 532      | 1/13/2011 2:46  | 9.14   | 45.94  | 29.57        | 9.00    | 7.85 | 3.9        | 3.01   | 94.5  |
| 533      | 1/13/2011 3:01  | 9.18   | 46.01  | 29.62        | 8.99    | 7.85 | 4.0        | 3.09   | 94.5  |
| 534      | 1/13/2011 3:16  | 9.23   | 46.24  | 29.79        | 8.94    | 7.85 | 4.0        | 3.13   | 94.2  |
| 535      | 1/13/2011 3:31  | 9.24   | 46.39  | 29.90        | 8.89    | 7.85 | 4.5        | 3.20   | 93.8  |
| 536      | 1/13/2011 3:46  | 9.27   | 47.20  | 30.48        | 8.76    | 7.85 | 4.9        | 3.27   | 92.7  |
| 537      | 1/13/2011 4:01  | 9.32   | 47.02  | 30.35        | 8.74    | 7.85 | 5.0        | 3.31   | 92.6  |
| 538      | 1/13/2011 4:16  | 9.36   | 47.54  | 30.73        | 8.70    | 7.85 | 5.2        | 3.38   | 92.5  |
| 539      | 1/13/2011 4:31  | 9.40   | 47.39  | 30.62        | 8.73    | 7.86 | 5.0        | 3.44   | 92.8  |
| 540      | 1/13/2011 4:46  | 9.42   | 47.13  | 30.44        | 8.73    | 7.85 | 4.1        | 3.47   | 92.8  |
| 541      | 1/13/2011 5:01  | 9.43   | 47.43  | 30.65        | 8.72    | 7.85 | 4.1        | 3.51   | 92.8  |
| 542      | 1/13/2011 5:16  | 9.44   | 47.49  | 30.69        | 8.70    | 7.85 | 2.7        | 3.53   | 92.7  |
| 543      | 1/13/2011 5:31  | 9.45   | 47.18  | 30.48        | 8.70    | 7.85 | 2.6        | 3.56   | 92.6  |
| 544      | 1/13/2011 5:46  | 9.48   | 47.27  | 30.54        | 8.70    | 7.85 | 3.7        | 3.57   | 92.6  |
| 545      | 1/13/2011 6:01  | 9.49   | 47.79  | 30.92        | 8.71    | 7.86 | 4.7        | 3.55   | 93.0  |
| 546      | 1/13/2011 6:16  | 9.45   | 47.62  | 30.79        | 8.68    | 7.86 | 4.1        | 3.53   | 92.5  |
| 547      | 1/13/2011 6:31  | 9.43   | 47.14  | 30.45        | 8.71    | 7.85 | 3.7        | 3.50   | 92.6  |
| 548      | 1/13/2011 6:46  | 9.41   | 47.25  | 30.53        | 8.71    | 7.85 | 4.8        | 3.44   | 92.6  |
| 549      | 1/13/2011 7:01  | 9.37   | 46.68  | 30.11        | 8.77    | 7.85 | 4.9        | 3.37   | 92.9  |
| 550      | 1/13/2011 7:16  | 9.34   | 46.77  | 30.17        | 8.80    | 7.85 | 4.8        | 3.34   | 93.1  |
| 551      | 1/13/2011 7:31  | 9.32   | 46.59  | 30.04        | 8.80    | 7.85 | 4.6        | 3.26   | 93.1  |
| 552      | 1/13/2011 7:46  | 9.30   | 46.34  | 29.87        | 8.83    | 7.84 | 4.3        | 3.19   | 93.2  |
| 553      | 1/13/2011 8:01  | 9.29   | 46.26  | 29.81        | 8.85    | 7.84 | 3.8        | 3.14   | 93.4  |
| 554      | 1/13/2011 8:16  | 9.30   | 46.21  | 29.77        | 8.84    | 7.84 | 3.4        | 3.07   | 93.3  |
| 555      | 1/13/2011 8:31  | 9.29   | 45.73  | 29.43        | 8.89    | 7.84 | 3.7        | 3.00   | 93.6  |
| 556      | 1/13/2011 8:46  | 9.30   | 45.67  | 29.38        | 8.92    | 7.84 | 3.4        | 2.93   | 93.9  |
| 557      | 1/13/2011 9:01  | 9.29   | 45.67  | 29.39        | 8.95    | 7.84 | 3.6        | 2.85   | 94.2  |
| 558      | 1/13/2011 9:16  | 9.26   | 45.30  | 29.12        | 8.98    | 7.84 | 4.0        | 2.79   | 94.2  |
| 559      | 1/13/2011 9:31  | 9.31   | 45.06  | 28.95        | 9.00    | 7.84 | 3.6        | 2.72   | 94.5  |
| 560      | 1/13/2011 9:46  | 9.47   | 44.72  | 28.72        | 9.11    | 7.85 | 3.8        | 2.63   | 95.9  |
| 561      | 1/13/2011 10:01 | 9.50   | 44.55  | 28.60        | 9.16    | 7.85 | 3.4        | 2.57   | 96.4  |
| 562      | 1/13/2011 10:16 | 9.48   | 44.35  | 28.46        | 9.21    | 7.85 | 3.2        | 2.49   | 96.8  |
| 563      | 1/13/2011 10:31 | 9.60   | 44.27  | 28.41        | 9.25    | 7.85 | 3.1        | 2.41   | 97.4  |
| 564      | 1/13/2011 10:46 | 9.66   | 44.26  | 28.41        | 9.34    | 7.86 | 3.2        | 2.34   | 98.4  |
| 565      | 1/13/2011 11:01 | 9.64   | 44.28  | 28.42        | 9.32    | 7.86 | 3.4        | 2.27   | 98.2  |
| 566      | 1/13/2011 11:16 | 9.63   | 43.82  | 28.09        | 9.40    | 7.86 | 3.2        | 2.19   | 98.8  |
| 567      | 1/13/2011 11:31 | 9.73   | 43.90  | 28.16        | 9.49    | 7.86 | 3.4        | 2.13   | 100.0 |
| 568      | 1/13/2011 11:46 | 9.73   | 43.93  | 28.18        | 9.48    | 7.86 | 3.7        | 2.07   | 99.9  |
| 569      | 1/13/2011 12:01 | 9.72   | 43.90  | 28.16        | 9.49    | 7.87 | 3.4        | 2.03   | 100.0 |
| 570      | 1/13/2011 12:16 | 9.70   | 43.91  | 28.16        | 9.48    | 7.87 | 3.4        | 1.99   | 99.9  |
| 571      | 1/13/2011 12:31 | 9.70   | 43.63  | 27.96        | 9.45    | 7.86 | 3.4        | 1.96   | 99.5  |
| 572      | 1/13/2011 12:46 | 9.89   | 43.78  | 28.08        | 9.35    | 7.86 | 3.8        | 1.96   | 98.9  |
| 573      | 1/13/2011 13:01 | 9.74   | 43.59  | 27.94        | 9.41    | 7.86 | 3.2        | 1.96   | 99.1  |
| 574      | 1/13/2011 13:16 | 9.77   | 43.90  | 28.16        | 9.41    | 7.86 | 3.1        | 1.96   | 99.3  |
| 575      | 1/13/2011 13:31 | 9.70   | 43.72  | 28.03        | 9.39    | 7.86 | 3.2        | 1.97   | 98.9  |
| 576      | 1/13/2011 13:46 | 9.50   | 43.76  | 28.04        | 9.25    | 7.84 | 3.3        | 2.02   | 96.9  |
| 577      | 1/13/2011 14:01 | 9.51   | 43.86  | 28.12        | 9.23    | 7.84 | 3.4        | 2.04   | 96.8  |
| 578      | 1/13/2011 14:16 | 9.70   | 43.52  | 27.89        | 9.26    | 7.84 | 3.9        | 2.07   | 97.4  |
| 579      | 1/13/2011 14:31 | 9.55   | 43.92  | 28.16        | 9.21    | 7.85 | 3.4        | 2.12   | 96.7  |
| 580      | 1/13/2011 14:46 | 9.51   | 43.83  | 28.09        | 9.19    | 7.84 | 3.4        | 2.16   | 96.4  |
| 581      | 1/13/2011 15:01 | 9.53   | 44.04  | 28.24        | 9.17    | 7.84 | 3.2        | 2.19   | 96.3  |
| 582      | 1/13/2011 15:16 | 9.48   | 43.88  | 28.13        | 9.16    | 7.84 | 3.4        | 2.24   | 96.0  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 583      | 1/13/2011 15:31 | 9.47   | 43.66  | 27.97        | 9.14    | 7.84 | 3.5               | 2.27            | 95.7 |
| 584      | 1/13/2011 15:46 | 9.45   | 43.71  | 28.00        | 9.14    | 7.84 | 3.2               | 2.32            | 95.7 |
| 585      | 1/13/2011 16:01 | 9.46   | 43.93  | 28.16        | 9.09    | 7.83 | 3.4               | 2.35            | 95.2 |
| 586      | 1/13/2011 16:16 | 9.48   | 44.27  | 28.40        | 9.05    | 7.84 | 3.1               | 2.39            | 95.1 |
| 587      | 1/13/2011 16:31 | 9.47   | 44.20  | 28.35        | 9.05    | 7.84 | 3.3               | 2.43            | 95.0 |
| 588      | 1/13/2011 16:46 | 9.52   | 43.85  | 28.11        | 9.08    | 7.83 | 3.5               | 2.47            | 95.2 |
| 589      | 1/13/2011 17:01 | 9.62   | 44.42  | 28.52        | 9.14    | 7.84 | 3.3               | 2.52            | 96.3 |
| 590      | 1/13/2011 17:16 | 9.56   | 44.33  | 28.45        | 9.10    | 7.84 | 3.4               | 2.54            | 95.7 |
| 591      | 1/13/2011 17:31 | 9.52   | 44.56  | 28.61        | 9.05    | 7.84 | 3.2               | 2.59            | 95.3 |
| 592      | 1/13/2011 17:46 | 9.47   | 44.45  | 28.53        | 9.03    | 7.83 | 3.4               | 2.62            | 94.9 |
| 593      | 1/13/2011 18:01 | 9.45   | 44.86  | 28.82        | 8.95    | 7.84 | 3.4               | 2.64            | 94.2 |
| 594      | 1/13/2011 18:16 | 9.45   | 44.79  | 28.77        | 8.94    | 7.84 | 3.7               | 2.66            | 94.0 |
| 595      | 1/13/2011 18:31 | 9.45   | 44.95  | 28.88        | 8.91    | 7.84 | 3.4               | 2.69            | 93.8 |
| 596      | 1/13/2011 18:46 | 9.47   | 44.77  | 28.76        | 8.95    | 7.84 | 3.5               | 2.71            | 94.2 |
| 597      | 1/13/2011 19:01 | 9.47   | 44.58  | 28.63        | 8.91    | 7.83 | 2.9               | 2.71            | 93.7 |
| 598      | 1/13/2011 19:16 | 9.50   | 44.30  | 28.42        | 8.95    | 7.83 | 3.1               | 2.71            | 94.1 |
| 599      | 1/13/2011 19:31 | 9.46   | 44.84  | 28.81        | 8.97    | 7.84 | 4.3               | 2.70            | 94.3 |
| 600      | 1/13/2011 19:46 | 9.48   | 44.95  | 28.89        | 8.98    | 7.84 | 3.7               | 2.70            | 94.6 |
| 601      | 1/13/2011 20:01 | 9.50   | 44.43  | 28.52        | 9.01    | 7.83 | 4.0               | 2.67            | 94.7 |
| 602      | 1/13/2011 20:16 | 9.50   | 44.69  | 28.71        | 8.97    | 7.83 | 3.6               | 2.64            | 94.4 |
| 603      | 1/13/2011 20:31 | 9.48   | 44.45  | 28.53        | 8.96    | 7.83 | 3.7               | 2.63            | 94.2 |
| 604      | 1/13/2011 20:46 | 9.53   | 44.30  | 28.43        | 9.00    | 7.83 | 3.8               | 2.60            | 94.6 |
| 605      | 1/13/2011 21:01 | 9.61   | 44.14  | 28.32        | 9.08    | 7.83 | 3.7               | 2.57            | 95.6 |
| 606      | 1/13/2011 21:16 | 9.60   | 44.19  | 28.36        | 9.08    | 7.84 | 3.7               | 2.55            | 95.6 |
| 607      | 1/13/2011 21:31 | 9.57   | 44.22  | 28.38        | 9.06    | 7.84 | 3.6               | 2.52            | 95.4 |
| 608      | 1/13/2011 21:46 | 9.54   | 44.09  | 28.28        | 9.05    | 7.84 | 3.4               | 2.50            | 95.1 |
| 609      | 1/13/2011 22:01 | 9.55   | 44.09  | 28.28        | 9.06    | 7.84 | 3.8               | 2.47            | 95.2 |
| 610      | 1/13/2011 22:16 | 9.59   | 44.05  | 28.25        | 9.03    | 7.84 | 3.4               | 2.47            | 95.0 |
| 611      | 1/13/2011 22:31 | 9.66   | 43.52  | 27.88        | 9.15    | 7.84 | 3.5               | 2.44            | 96.2 |
| 612      | 1/13/2011 22:46 | 9.59   | 44.23  | 28.38        | 9.04    | 7.84 | 2.6               | 2.44            | 95.1 |
| 613      | 1/13/2011 23:01 | 9.57   | 43.86  | 28.11        | 8.97    | 7.83 | 2.6               | 2.44            | 94.1 |
| 614      | 1/13/2011 23:16 | 9.60   | 44.05  | 28.25        | 8.94    | 7.83 | 2.5               | 2.43            | 94.0 |
| 615      | 1/13/2011 23:31 | 9.80   | 43.42  | 27.82        | 8.97    | 7.83 | 2.9               | 2.44            | 94.5 |
| 616      | 1/13/2011 23:46 | 9.67   | 43.88  | 28.14        | 8.99    | 7.83 | 3.2               | 2.43            | 94.7 |
| 617      | 1/14/2011 0:01  | 9.61   | 44.01  | 28.23        | 9.02    | 7.83 | 3.0               | 2.46            | 94.9 |
| 618      | 1/14/2011 0:16  | 9.76   | 43.67  | 27.99        | 8.97    | 7.83 | 3.2               | 2.48            | 94.6 |
| 619      | 1/14/2011 0:31  | 9.70   | 43.89  | 28.15        | 9.05    | 7.83 | 3.2               | 2.50            | 95.4 |
| 620      | 1/14/2011 0:46  | 9.57   | 44.48  | 28.56        | 8.94    | 7.83 | 3.7               | 2.52            | 94.2 |
| 621      | 1/14/2011 1:01  | 9.54   | 44.31  | 28.44        | 8.93    | 7.83 | 3.8               | 2.56            | 93.9 |
| 622      | 1/14/2011 1:16  | 9.52   | 44.58  | 28.63        | 8.93    | 7.83 | 3.3               | 2.60            | 94.0 |
| 623      | 1/14/2011 1:31  | 9.55   | 44.48  | 28.56        | 8.92    | 7.82 | 3.8               | 2.63            | 93.9 |
| 624      | 1/14/2011 1:46  | 9.53   | 44.49  | 28.56        | 8.95    | 7.83 | 4.1               | 2.67            | 94.1 |
| 625      | 1/14/2011 2:01  | 9.51   | 44.67  | 28.69        | 8.90    | 7.83 | 3.4               | 2.72            | 93.7 |
| 626      | 1/14/2011 2:16  | 9.53   | 44.45  | 28.54        | 8.94    | 7.83 | 4.0               | 2.78            | 94.0 |
| 627      | 1/14/2011 2:31  | 9.55   | 44.48  | 28.56        | 8.98    | 7.83 | 3.9               | 2.82            | 94.5 |
| 628      | 1/14/2011 2:46  | 9.56   | 44.70  | 28.71        | 8.95    | 7.83 | 3.4               | 2.87            | 94.3 |
| 629      | 1/14/2011 3:01  | 9.57   | 44.57  | 28.62        | 8.98    | 7.83 | 3.5               | 2.94            | 94.6 |
| 630      | 1/14/2011 3:16  | 9.59   | 44.73  | 28.74        | 9.01    | 7.83 | 4.0               | 3.01            | 95.1 |
| 631      | 1/14/2011 3:31  | 9.64   | 44.69  | 28.71        | 9.05    | 7.84 | 3.5               | 3.06            | 95.6 |
| 632      | 1/14/2011 3:46  | 9.61   | 45.19  | 29.06        | 9.02    | 7.84 | 3.3               | 3.13            | 95.4 |
| 633      | 1/14/2011 4:01  | 9.62   | 45.04  | 28.96        | 9.01    | 7.84 | 3.1               | 3.18            | 95.3 |
| 634      | 1/14/2011 4:16  | 9.63   | 45.50  | 29.29        | 8.97    | 7.84 | 3.2               | 3.25            | 95.1 |
| 635      | 1/14/2011 4:31  | 9.66   | 45.30  | 29.15        | 8.97    | 7.84 | 2.9               | 3.31            | 95.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 636      | 1/14/2011 4:46  | 9.69   | 45.85  | 29.54        | 8.88    | 7.84 | 2.6               | 3.35            | 94.3  |
| 637      | 1/14/2011 5:01  | 9.71   | 45.97  | 29.63        | 8.84    | 7.85 | 3.1               | 3.41            | 94.1  |
| 638      | 1/14/2011 5:16  | 9.75   | 46.91  | 30.30        | 8.79    | 7.86 | 3.4               | 3.47            | 94.0  |
| 639      | 1/14/2011 5:31  | 9.80   | 46.59  | 30.08        | 8.82    | 7.86 | 3.5               | 3.50            | 94.2  |
| 640      | 1/14/2011 5:46  | 9.81   | 47.03  | 30.39        | 8.79    | 7.86 | 3.7               | 3.53            | 94.2  |
| 641      | 1/14/2011 6:01  | 9.84   | 46.71  | 30.17        | 8.78    | 7.86 | 3.3               | 3.57            | 94.0  |
| 642      | 1/14/2011 6:16  | 9.86   | 46.89  | 30.30        | 8.76    | 7.86 | 2.2               | 3.60            | 93.9  |
| 643      | 1/14/2011 6:31  | 9.81   | 47.03  | 30.39        | 8.74    | 7.86 | 2.6               | 3.59            | 93.7  |
| 644      | 1/14/2011 6:46  | 9.83   | 46.80  | 30.23        | 8.75    | 7.86 | 3.1               | 3.59            | 93.7  |
| 645      | 1/14/2011 7:01  | 9.85   | 46.99  | 30.37        | 8.80    | 7.86 | 3.7               | 3.57            | 94.4  |
| 646      | 1/14/2011 7:16  | 9.83   | 46.85  | 30.26        | 8.79    | 7.86 | 3.3               | 3.55            | 94.1  |
| 647      | 1/14/2011 7:31  | 9.75   | 46.39  | 29.93        | 8.80    | 7.85 | 3.7               | 3.50            | 93.9  |
| 648      | 1/14/2011 7:46  | 9.70   | 45.90  | 29.58        | 8.81    | 7.84 | 4.8               | 3.43            | 93.6  |
| 649      | 1/14/2011 8:01  | 9.62   | 45.30  | 29.14        | 8.84    | 7.83 | 3.2               | 3.40            | 93.5  |
| 650      | 1/14/2011 8:16  | 9.65   | 45.76  | 29.47        | 8.81    | 7.83 | 3.3               | 3.33            | 93.5  |
| 651      | 1/14/2011 8:31  | 9.68   | 46.33  | 29.88        | 8.82    | 7.85 | 4.2               | 3.25            | 93.9  |
| 652      | 1/14/2011 8:46  | 9.63   | 45.77  | 29.48        | 8.85    | 7.84 | 3.7               | 3.19            | 93.9  |
| 653      | 1/14/2011 9:01  | 9.60   | 45.23  | 29.09        | 8.90    | 7.83 | 3.4               | 3.12            | 94.1  |
| 654      | 1/14/2011 9:16  | 9.62   | 45.21  | 29.08        | 8.91    | 7.83 | 3.1               | 3.03            | 94.3  |
| 655      | 1/14/2011 9:31  | 9.64   | 44.98  | 28.92        | 8.93    | 7.83 | 2.7               | 2.95            | 94.4  |
| 656      | 1/14/2011 9:46  | 9.65   | 44.90  | 28.86        | 8.97    | 7.83 | 3.3               | 2.86            | 94.8  |
| 657      | 1/14/2011 10:01 | 9.68   | 45.04  | 28.96        | 8.99    | 7.83 | 3.2               | 2.78            | 95.1  |
| 658      | 1/14/2011 10:16 | 9.79   | 45.00  | 28.94        | 9.01    | 7.83 | 3.4               | 2.69            | 95.6  |
| 659      | 1/14/2011 10:31 | 9.81   | 44.32  | 28.46        | 9.12    | 7.84 | 3.8               | 2.60            | 96.5  |
| 660      | 1/14/2011 10:46 | 9.91   | 44.37  | 28.50        | 9.15    | 7.84 | 4.7               | 2.51            | 97.1  |
| 661      | 1/14/2011 11:01 | 10.04  | 44.11  | 28.32        | 9.27    | 7.85 | 3.5               | 2.42            | 98.5  |
| 662      | 1/14/2011 11:16 | 10.15  | 44.25  | 28.43        | 9.38    | 7.85 | 3.5               | 2.32            | 100.0 |
| 663      | 1/14/2011 11:31 | 10.21  | 43.94  | 28.21        | 9.46    | 7.86 | 3.2               | 2.23            | 100.9 |
| 664      | 1/14/2011 11:46 | 10.22  | 43.64  | 28.00        | 9.43    | 7.86 | 3.4               | 2.15            | 100.4 |
| 665      | 1/14/2011 12:01 | 10.33  | 43.66  | 28.02        | 9.56    | 7.86 | 3.3               | 2.04            | 102.0 |
| 666      | 1/14/2011 12:16 | 10.46  | 43.52  | 27.93        | 9.58    | 7.87 | 3.4               | 1.97            | 102.5 |
| 667      | 1/14/2011 12:31 | 10.55  | 43.30  | 27.78        | 9.67    | 7.87 | 3.2               | 1.89            | 103.5 |
| 668      | 1/14/2011 12:46 | 10.65  | 43.22  | 27.72        | 9.76    | 7.88 | 4.0               | 1.82            | 104.7 |
| 669      | 1/14/2011 13:01 | 10.66  | 43.35  | 27.82        | 9.72    | 7.88 | 4.8               | 1.77            | 104.4 |
| 670      | 1/14/2011 13:16 | 10.75  | 43.20  | 27.71        | 9.69    | 7.88 | 4.6               | 1.72            | 104.1 |
| 671      | 1/14/2011 13:31 | 10.57  | 42.96  | 27.53        | 9.56    | 7.87 | 3.5               | 1.71            | 102.3 |
| 672      | 1/14/2011 13:46 | 10.20  | 43.74  | 28.07        | 9.31    | 7.86 | 3.1               | 1.69            | 99.1  |
| 673      | 1/14/2011 14:01 | 10.13  | 43.63  | 27.99        | 9.27    | 7.85 | 3.2               | 1.70            | 98.5  |
| 674      | 1/14/2011 14:16 | 10.29  | 43.58  | 27.96        | 9.37    | 7.85 | 3.5               | 1.73            | 99.9  |
| 675      | 1/14/2011 14:31 | 10.63  | 43.40  | 27.85        | 9.50    | 7.86 | 3.1               | 1.74            | 101.9 |
| 676      | 1/14/2011 14:46 | 10.41  | 43.46  | 27.88        | 9.41    | 7.86 | 3.0               | 1.78            | 100.5 |
| 677      | 1/14/2011 15:01 | 10.30  | 43.59  | 27.97        | 9.33    | 7.85 | 3.2               | 1.83            | 99.5  |
| 678      | 1/14/2011 15:16 | 10.40  | 43.37  | 27.82        | 9.36    | 7.85 | 3.1               | 1.87            | 99.9  |
| 679      | 1/14/2011 15:31 | 10.42  | 43.38  | 27.83        | 9.28    | 7.85 | 3.2               | 1.91            | 99.1  |
| 680      | 1/14/2011 15:46 | 10.36  | 43.23  | 27.72        | 9.27    | 7.84 | 3.2               | 1.97            | 98.9  |
| 681      | 1/14/2011 16:01 | 10.31  | 43.57  | 27.96        | 9.24    | 7.84 | 3.5               | 2.02            | 98.6  |
| 682      | 1/14/2011 16:16 | 10.28  | 43.25  | 27.72        | 9.22    | 7.84 | 3.4               | 2.07            | 98.1  |
| 683      | 1/14/2011 16:31 | 10.24  | 43.20  | 27.68        | 9.21    | 7.84 | 3.3               | 2.13            | 97.9  |
| 684      | 1/14/2011 16:46 | 10.20  | 43.20  | 27.68        | 9.16    | 7.83 | 3.1               | 2.17            | 97.3  |
| 685      | 1/14/2011 17:01 | 10.12  | 43.47  | 27.87        | 9.08    | 7.83 | 3.2               | 2.22            | 96.3  |
| 686      | 1/14/2011 17:16 | 10.07  | 43.53  | 27.91        | 9.05    | 7.83 | 3.5               | 2.28            | 96.0  |
| 687      | 1/14/2011 17:31 | 10.02  | 43.68  | 28.02        | 9.02    | 7.82 | 4.1               | 2.33            | 95.6  |
| 688      | 1/14/2011 17:46 | 10.00  | 43.94  | 28.20        | 8.99    | 7.82 | 3.7               | 2.38            | 95.3  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 689      | 1/14/2011 18:01 | 9.97   | 44.15  | 28.35        | 8.96    | 7.83 | 3.6               | 2.43            | 95.1 |
| 690      | 1/14/2011 18:16 | 9.93   | 44.16  | 28.35        | 8.94    | 7.83 | 3.7               | 2.49            | 94.8 |
| 691      | 1/14/2011 18:31 | 9.93   | 44.20  | 28.38        | 8.96    | 7.83 | 4.1               | 2.54            | 95.1 |
| 692      | 1/14/2011 18:46 | 9.93   | 44.35  | 28.49        | 8.93    | 7.83 | 3.6               | 2.58            | 94.8 |
| 693      | 1/14/2011 19:01 | 9.92   | 44.20  | 28.38        | 8.92    | 7.83 | 3.3               | 2.61            | 94.6 |
| 694      | 1/14/2011 19:16 | 9.87   | 44.26  | 28.42        | 8.90    | 7.83 | 3.0               | 2.67            | 94.2 |
| 695      | 1/14/2011 19:31 | 9.84   | 44.62  | 28.67        | 8.88    | 7.83 | 3.2               | 2.69            | 94.2 |
| 696      | 1/14/2011 19:46 | 9.85   | 44.72  | 28.74        | 8.84    | 7.83 | 3.0               | 2.71            | 93.7 |
| 697      | 1/14/2011 20:01 | 9.84   | 44.49  | 28.58        | 8.82    | 7.82 | 2.4               | 2.74            | 93.4 |
| 698      | 1/14/2011 20:16 | 9.84   | 44.27  | 28.42        | 8.82    | 7.82 | 2.5               | 2.76            | 93.4 |
| 699      | 1/14/2011 20:31 | 9.84   | 44.70  | 28.73        | 8.72    | 7.82 | 2.5               | 2.78            | 92.5 |
| 700      | 1/14/2011 20:46 | 9.82   | 44.70  | 28.73        | 8.72    | 7.82 | 3.1               | 2.77            | 92.4 |
| 701      | 1/14/2011 21:01 | 9.82   | 44.75  | 28.76        | 8.75    | 7.82 | 3.6               | 2.78            | 92.7 |
| 702      | 1/14/2011 21:16 | 9.81   | 44.50  | 28.59        | 8.79    | 7.82 | 2.9               | 2.78            | 93.1 |
| 703      | 1/14/2011 21:31 | 9.81   | 44.68  | 28.72        | 8.78    | 7.82 | 2.6               | 2.76            | 93.0 |
| 704      | 1/14/2011 21:46 | 9.82   | 44.53  | 28.61        | 8.80    | 7.82 | 3.2               | 2.73            | 93.2 |
| 705      | 1/14/2011 22:01 | 9.83   | 44.80  | 28.80        | 8.79    | 7.82 | 3.0               | 2.70            | 93.2 |
| 706      | 1/14/2011 22:16 | 9.85   | 44.34  | 28.47        | 8.82    | 7.82 | 3.1               | 2.68            | 93.4 |
| 707      | 1/14/2011 22:31 | 9.87   | 44.44  | 28.55        | 8.82    | 7.82 | 3.1               | 2.65            | 93.5 |
| 708      | 1/14/2011 22:46 | 9.92   | 44.32  | 28.46        | 8.87    | 7.82 | 3.5               | 2.60            | 94.1 |
| 709      | 1/14/2011 23:01 | 9.97   | 44.05  | 28.28        | 8.91    | 7.82 | 3.2               | 2.58            | 94.5 |
| 710      | 1/14/2011 23:16 | 9.96   | 43.93  | 28.19        | 8.88    | 7.82 | 2.7               | 2.56            | 94.1 |
| 711      | 1/14/2011 23:31 | 10.01  | 44.15  | 28.35        | 8.92    | 7.82 | 3.3               | 2.52            | 94.8 |
| 712      | 1/14/2011 23:46 | 10.04  | 43.88  | 28.16        | 8.94    | 7.83 | 3.1               | 2.52            | 94.9 |
| 713      | 1/15/2011 0:01  | 10.04  | 44.06  | 28.28        | 8.94    | 7.82 | 3.2               | 2.48            | 95.0 |
| 714      | 1/15/2011 0:16  | 10.12  | 43.87  | 28.16        | 8.98    | 7.83 | 2.8               | 2.49            | 95.5 |
| 715      | 1/15/2011 0:31  | 10.24  | 43.17  | 27.67        | 9.02    | 7.83 | 2.1               | 2.48            | 95.9 |
| 716      | 1/15/2011 0:46  | 10.26  | 43.19  | 27.68        | 8.98    | 7.83 | 2.4               | 2.47            | 95.5 |
| 717      | 1/15/2011 1:01  | 10.01  | 44.12  | 28.32        | 8.81    | 7.82 | 3.1               | 2.49            | 93.6 |
| 718      | 1/15/2011 1:16  | 10.05  | 43.75  | 28.07        | 8.88    | 7.82 | 3.1               | 2.49            | 94.2 |
| 719      | 1/15/2011 1:31  | 10.06  | 43.63  | 27.98        | 8.99    | 7.83 | 2.6               | 2.52            | 95.4 |
| 720      | 1/15/2011 1:46  | 9.95   | 44.34  | 28.48        | 8.84    | 7.82 | 3.0               | 2.56            | 93.9 |
| 721      | 1/15/2011 2:01  | 9.98   | 44.14  | 28.34        | 8.85    | 7.82 | 5.0               | 2.59            | 93.9 |
| 722      | 1/15/2011 2:16  | 9.98   | 43.72  | 28.04        | 8.87    | 7.81 | 3.2               | 2.65            | 94.0 |
| 723      | 1/15/2011 2:31  | 9.94   | 44.17  | 28.36        | 8.86    | 7.82 | 3.3               | 2.69            | 93.9 |
| 724      | 1/15/2011 2:46  | 9.95   | 43.84  | 28.13        | 8.90    | 7.82 | 3.1               | 2.74            | 94.2 |
| 725      | 1/15/2011 3:01  | 9.93   | 44.04  | 28.27        | 8.90    | 7.82 | 2.9               | 2.79            | 94.3 |
| 726      | 1/15/2011 3:16  | 9.90   | 44.33  | 28.47        | 8.85    | 7.82 | 2.8               | 2.84            | 93.8 |
| 727      | 1/15/2011 3:31  | 9.91   | 44.76  | 28.78        | 8.82    | 7.82 | 2.9               | 2.88            | 93.8 |
| 728      | 1/15/2011 3:46  | 9.94   | 44.62  | 28.68        | 8.87    | 7.83 | 2.9               | 2.96            | 94.2 |
| 729      | 1/15/2011 4:01  | 9.95   | 44.83  | 28.83        | 8.86    | 7.83 | 3.1               | 3.01            | 94.3 |
| 730      | 1/15/2011 4:16  | 9.94   | 45.10  | 29.02        | 8.85    | 7.84 | 2.7               | 3.06            | 94.3 |
| 731      | 1/15/2011 4:31  | 9.90   | 45.01  | 28.96        | 8.89    | 7.84 | 2.3               | 3.14            | 94.6 |
| 732      | 1/15/2011 4:46  | 9.93   | 45.04  | 28.98        | 8.89    | 7.84 | 2.4               | 3.20            | 94.7 |
| 733      | 1/15/2011 5:01  | 9.92   | 45.29  | 29.16        | 8.89    | 7.84 | 2.5               | 3.27            | 94.7 |
| 734      | 1/15/2011 5:16  | 9.98   | 45.42  | 29.25        | 8.86    | 7.84 | 2.5               | 3.33            | 94.6 |
| 735      | 1/15/2011 5:31  | 10.06  | 46.10  | 29.74        | 8.83    | 7.86 | 2.4               | 3.39            | 94.7 |
| 736      | 1/15/2011 5:46  | 10.16  | 46.93  | 30.34        | 8.79    | 7.87 | 3.4               | 3.45            | 94.8 |
| 737      | 1/15/2011 6:01  | 10.17  | 46.53  | 30.06        | 8.82    | 7.87 | 3.1               | 3.50            | 95.1 |
| 738      | 1/15/2011 6:16  | 10.18  | 47.04  | 30.42        | 8.79    | 7.87 | 2.8               | 3.54            | 95.0 |
| 739      | 1/15/2011 6:31  | 10.19  | 46.45  | 30.00        | 8.82    | 7.87 | 2.9               | 3.59            | 95.0 |
| 740      | 1/15/2011 6:46  | 10.19  | 47.10  | 30.46        | 8.82    | 7.88 | 2.8               | 3.63            | 95.3 |
| 741      | 1/15/2011 7:01  | 10.18  | 46.76  | 30.22        | 8.82    | 7.88 | 2.1               | 3.65            | 95.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 742      | 1/15/2011 7:16  | 10.17  | 46.51  | 30.04        | 8.80    | 7.88 | 2.7               | 3.66            | 94.8  |
| 743      | 1/15/2011 7:31  | 10.17  | 46.87  | 30.30        | 8.72    | 7.87 | 2.2               | 3.67            | 94.1  |
| 744      | 1/15/2011 7:46  | 10.18  | 46.87  | 30.30        | 8.73    | 7.87 | 2.5               | 3.66            | 94.2  |
| 745      | 1/15/2011 8:01  | 10.18  | 46.98  | 30.37        | 8.79    | 7.88 | 2.7               | 3.63            | 95.0  |
| 746      | 1/15/2011 8:16  | 10.17  | 46.82  | 30.26        | 8.75    | 7.87 | 2.4               | 3.60            | 94.4  |
| 747      | 1/15/2011 8:31  | 9.93   | 45.30  | 29.16        | 8.75    | 7.82 | 4.7               | 3.53            | 93.2  |
| 748      | 1/15/2011 8:46  | 9.99   | 45.72  | 29.47        | 8.75    | 7.84 | 3.0               | 3.49            | 93.5  |
| 749      | 1/15/2011 9:01  | 10.01  | 45.76  | 29.49        | 8.75    | 7.84 | 2.7               | 3.43            | 93.6  |
| 750      | 1/15/2011 9:16  | 10.03  | 45.95  | 29.63        | 8.79    | 7.84 | 3.4               | 3.32            | 94.1  |
| 751      | 1/15/2011 9:31  | 10.01  | 45.81  | 29.53        | 8.81    | 7.85 | 4.0               | 3.26            | 94.3  |
| 752      | 1/15/2011 9:46  | 9.92   | 45.14  | 29.05        | 8.83    | 7.83 | 3.2               | 3.19            | 94.1  |
| 753      | 1/15/2011 10:01 | 9.99   | 45.13  | 29.05        | 8.85    | 7.83 | 2.3               | 3.09            | 94.4  |
| 754      | 1/15/2011 10:16 | 10.04  | 44.82  | 28.83        | 8.94    | 7.84 | 2.6               | 2.99            | 95.3  |
| 755      | 1/15/2011 10:31 | 10.08  | 44.93  | 28.91        | 8.99    | 7.84 | 2.1               | 2.91            | 96.0  |
| 756      | 1/15/2011 10:46 | 10.12  | 45.04  | 28.99        | 9.03    | 7.84 | 2.3               | 2.81            | 96.5  |
| 757      | 1/15/2011 11:01 | 10.20  | 44.55  | 28.64        | 9.06    | 7.85 | 2.7               | 2.70            | 96.8  |
| 758      | 1/15/2011 11:16 | 10.28  | 44.34  | 28.50        | 9.17    | 7.85 | 2.7               | 2.59            | 98.0  |
| 759      | 1/15/2011 11:31 | 10.38  | 43.89  | 28.18        | 9.25    | 7.85 | 3.4               | 2.49            | 99.0  |
| 760      | 1/15/2011 11:46 | 10.46  | 44.25  | 28.45        | 9.35    | 7.86 | 2.7               | 2.40            | 100.3 |
| 761      | 1/15/2011 12:01 | 10.55  | 44.09  | 28.34        | 9.48    | 7.86 | 3.1               | 2.27            | 101.9 |
| 762      | 1/15/2011 12:16 | 10.84  | 44.30  | 28.50        | 9.60    | 7.89 | 3.8               | 2.15            | 104.0 |
| 763      | 1/15/2011 12:31 | 10.93  | 44.08  | 28.34        | 9.64    | 7.88 | 4.3               | 2.07            | 104.5 |
| 764      | 1/15/2011 12:46 | 10.86  | 43.41  | 27.87        | 9.62    | 7.87 | 3.8               | 1.92            | 103.7 |
| 765      | 1/15/2011 13:01 | 10.96  | 43.85  | 28.18        | 9.68    | 7.88 | 4.0               | 1.82            | 104.8 |
| 766      | 1/15/2011 13:16 | 10.88  | 43.70  | 28.08        | 9.62    | 7.88 | 3.6               | 1.76            | 103.9 |
| 767      | 1/15/2011 13:31 | 11.02  | 43.64  | 28.04        | 9.67    | 7.88 | 3.6               | 1.63            | 104.8 |
| 768      | 1/15/2011 13:46 | 10.92  | 43.28  | 27.78        | 9.62    | 7.88 | 3.2               | 1.59            | 103.9 |
| 769      | 1/15/2011 14:01 | 10.91  | 43.27  | 27.77        | 9.59    | 7.88 | 3.2               | 1.54            | 103.5 |
| 770      | 1/15/2011 14:16 | 10.92  | 43.03  | 27.60        | 9.61    | 7.88 | 3.1               | 1.48            | 103.6 |
| 771      | 1/15/2011 14:31 | 10.91  | 43.20  | 27.72        | 9.58    | 7.88 | 2.4               | 1.47            | 103.3 |
| 772      | 1/15/2011 14:46 | 10.99  | 43.16  | 27.70        | 9.62    | 7.88 | 2.8               | 1.50            | 104.0 |
| 773      | 1/15/2011 15:01 | 10.89  | 43.46  | 27.90        | 9.55    | 7.87 | 3.1               | 1.48            | 103.1 |
| 774      | 1/15/2011 15:16 | 10.84  | 43.22  | 27.73        | 9.51    | 7.87 | 3.1               | 1.53            | 102.5 |
| 775      | 1/15/2011 15:31 | 10.80  | 43.13  | 27.66        | 9.48    | 7.87 | 3.1               | 1.58            | 102.0 |
| 776      | 1/15/2011 15:46 | 10.77  | 42.88  | 27.49        | 9.47    | 7.86 | 3.1               | 1.63            | 101.8 |
| 777      | 1/15/2011 16:01 | 10.87  | 42.82  | 27.45        | 9.42    | 7.86 | 3.2               | 1.69            | 101.4 |
| 778      | 1/15/2011 16:16 | 10.77  | 43.08  | 27.63        | 9.36    | 7.85 | 3.6               | 1.73            | 100.6 |
| 779      | 1/15/2011 16:31 | 10.72  | 42.75  | 27.39        | 9.32    | 7.85 | 3.5               | 1.79            | 100.0 |
| 780      | 1/15/2011 16:46 | 10.67  | 42.44  | 27.17        | 9.30    | 7.84 | 3.5               | 1.87            | 99.5  |
| 781      | 1/15/2011 17:01 | 10.66  | 42.81  | 27.44        | 9.26    | 7.84 | 3.5               | 1.91            | 99.2  |
| 782      | 1/15/2011 17:16 | 10.64  | 42.87  | 27.47        | 9.24    | 7.84 | 3.2               | 1.97            | 99.0  |
| 783      | 1/15/2011 17:31 | 10.59  | 43.05  | 27.60        | 9.22    | 7.84 | 2.9               | 2.05            | 98.7  |
| 784      | 1/15/2011 17:46 | 10.55  | 42.96  | 27.53        | 9.15    | 7.83 | 3.5               | 2.09            | 97.8  |
| 785      | 1/15/2011 18:01 | 10.51  | 43.26  | 27.75        | 9.07    | 7.83 | 3.7               | 2.16            | 97.1  |
| 786      | 1/15/2011 18:16 | 10.43  | 43.57  | 27.96        | 8.99    | 7.83 | 4.1               | 2.24            | 96.1  |
| 787      | 1/15/2011 18:31 | 10.36  | 44.01  | 28.27        | 8.93    | 7.82 | 3.7               | 2.29            | 95.5  |
| 788      | 1/15/2011 18:46 | 10.31  | 43.98  | 28.24        | 8.90    | 7.82 | 3.9               | 2.37            | 95.1  |
| 789      | 1/15/2011 19:01 | 10.27  | 44.03  | 28.28        | 8.88    | 7.82 | 4.7               | 2.44            | 94.8  |
| 790      | 1/15/2011 19:16 | 10.26  | 44.18  | 28.38        | 8.88    | 7.82 | 4.0               | 2.49            | 94.9  |
| 791      | 1/15/2011 19:31 | 10.26  | 44.57  | 28.66        | 8.87    | 7.83 | 4.1               | 2.56            | 94.9  |
| 792      | 1/15/2011 19:46 | 10.28  | 44.20  | 28.40        | 8.88    | 7.82 | 3.9               | 2.62            | 94.9  |
| 793      | 1/15/2011 20:01 | 10.25  | 44.27  | 28.45        | 8.86    | 7.82 | 3.8               | 2.66            | 94.6  |
| 794      | 1/15/2011 20:16 | 10.25  | 44.53  | 28.63        | 8.85    | 7.82 | 3.7               | 2.70            | 94.6  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |      |
| 795      | 1/15/2011 20:31 | 10.25  | 44.50  | 28.61        | 8.84    | 7.82 | 4.0        | 2.75   | 94.5 |
| 796      | 1/15/2011 20:46 | 10.25  | 44.80  | 28.83        | 8.82    | 7.83 | 3.6        | 2.79   | 94.4 |
| 797      | 1/15/2011 21:01 | 10.25  | 44.58  | 28.67        | 8.79    | 7.83 | 3.2        | 2.82   | 94.0 |
| 798      | 1/15/2011 21:16 | 10.27  | 44.65  | 28.72        | 8.77    | 7.83 | 2.9        | 2.86   | 93.9 |
| 799      | 1/15/2011 21:31 | 10.27  | 44.77  | 28.81        | 8.76    | 7.83 | 2.7        | 2.89   | 93.9 |
| 800      | 1/15/2011 21:46 | 10.27  | 44.69  | 28.75        | 8.74    | 7.83 | 2.5        | 2.88   | 93.6 |
| 801      | 1/15/2011 22:01 | 10.27  | 45.01  | 28.97        | 8.74    | 7.83 | 3.1        | 2.88   | 93.7 |
| 802      | 1/15/2011 22:16 | 10.27  | 44.77  | 28.81        | 8.72    | 7.83 | 2.2        | 2.90   | 93.4 |
| 803      | 1/15/2011 22:31 | 10.26  | 44.68  | 28.74        | 8.74    | 7.83 | 2.8        | 2.87   | 93.6 |
| 804      | 1/15/2011 22:46 | 10.26  | 44.86  | 28.87        | 8.78    | 7.83 | 3.8        | 2.84   | 94.0 |
| 805      | 1/15/2011 23:01 | 10.31  | 44.47  | 28.59        | 8.77    | 7.82 | 3.3        | 2.82   | 93.9 |
| 806      | 1/15/2011 23:16 | 10.31  | 44.66  | 28.73        | 8.74    | 7.82 | 2.8        | 2.80   | 93.7 |
| 807      | 1/15/2011 23:31 | 10.33  | 44.43  | 28.56        | 8.77    | 7.82 | 3.2        | 2.75   | 93.9 |
| 808      | 1/15/2011 23:46 | 10.37  | 43.99  | 28.26        | 8.82    | 7.82 | 3.3        | 2.68   | 94.3 |
| 809      | 1/16/2011 0:01  | 10.33  | 44.21  | 28.41        | 8.81    | 7.82 | 3.1        | 2.65   | 94.2 |
| 810      | 1/16/2011 0:16  | 10.34  | 44.27  | 28.45        | 8.76    | 7.81 | 2.5        | 2.61   | 93.8 |
| 811      | 1/16/2011 0:31  | 10.45  | 43.60  | 27.98        | 8.78    | 7.81 | 2.7        | 2.57   | 94.0 |
| 812      | 1/16/2011 0:46  | 10.58  | 43.84  | 28.16        | 8.72    | 7.81 | 2.6        | 2.54   | 93.6 |
| 813      | 1/16/2011 1:01  | 10.49  | 43.73  | 28.08        | 8.78    | 7.81 | 2.4        | 2.53   | 94.1 |
| 814      | 1/16/2011 1:16  | 10.60  | 43.74  | 28.09        | 8.68    | 7.81 | 2.3        | 2.51   | 93.2 |
| 815      | 1/16/2011 1:31  | 10.38  | 44.34  | 28.50        | 8.54    | 7.80 | 1.7        | 2.48   | 91.5 |
| 816      | 1/16/2011 1:46  | 10.49  | 44.04  | 28.30        | 8.62    | 7.81 | 2.1        | 2.51   | 92.5 |
| 817      | 1/16/2011 2:01  | 10.75  | 43.39  | 27.85        | 8.50    | 7.79 | 2.6        | 2.50   | 91.5 |
| 818      | 1/16/2011 2:16  | 10.67  | 43.59  | 27.98        | 8.57    | 7.80 | 2.7        | 2.50   | 92.1 |
| 819      | 1/16/2011 2:31  | 10.51  | 43.57  | 27.97        | 8.66    | 7.80 | 3.8        | 2.54   | 92.8 |
| 820      | 1/16/2011 2:46  | 10.36  | 44.12  | 28.35        | 8.74    | 7.81 | 3.2        | 2.57   | 93.6 |
| 821      | 1/16/2011 3:01  | 10.41  | 44.27  | 28.46        | 8.70    | 7.81 | 3.2        | 2.60   | 93.3 |
| 822      | 1/16/2011 3:16  | 10.46  | 44.01  | 28.27        | 8.74    | 7.81 | 3.0        | 2.66   | 93.7 |
| 823      | 1/16/2011 3:31  | 10.40  | 43.98  | 28.25        | 8.75    | 7.81 | 3.3        | 2.69   | 93.6 |
| 824      | 1/16/2011 3:46  | 10.33  | 44.67  | 28.74        | 8.72    | 7.82 | 4.0        | 2.73   | 93.5 |
| 825      | 1/16/2011 4:01  | 10.37  | 44.44  | 28.58        | 8.76    | 7.82 | 3.2        | 2.80   | 93.9 |
| 826      | 1/16/2011 4:16  | 10.36  | 44.58  | 28.67        | 8.79    | 7.82 | 2.7        | 2.87   | 94.2 |
| 827      | 1/16/2011 4:31  | 10.38  | 44.40  | 28.55        | 8.79    | 7.82 | 2.9        | 2.92   | 94.2 |
| 828      | 1/16/2011 4:46  | 10.37  | 44.96  | 28.94        | 8.77    | 7.83 | 2.8        | 2.99   | 94.3 |
| 829      | 1/16/2011 5:01  | 10.39  | 45.03  | 29.00        | 8.82    | 7.84 | 3.1        | 3.04   | 94.8 |
| 830      | 1/16/2011 5:16  | 10.39  | 44.95  | 28.94        | 8.85    | 7.84 | 2.7        | 3.10   | 95.1 |
| 831      | 1/16/2011 5:31  | 10.39  | 45.43  | 29.28        | 8.83    | 7.85 | 3.2        | 3.16   | 95.2 |
| 832      | 1/16/2011 5:46  | 10.40  | 45.91  | 29.62        | 8.83    | 7.86 | 3.2        | 3.25   | 95.4 |
| 833      | 1/16/2011 6:01  | 10.40  | 46.06  | 29.73        | 8.85    | 7.87 | 4.0        | 3.31   | 95.7 |
| 834      | 1/16/2011 6:16  | 10.41  | 46.05  | 29.73        | 8.87    | 7.88 | 5.1        | 3.38   | 95.9 |
| 835      | 1/16/2011 6:31  | 10.42  | 46.13  | 29.79        | 8.88    | 7.88 | 5.4        | 3.45   | 96.1 |
| 836      | 1/16/2011 6:46  | 10.43  | 45.94  | 29.65        | 8.95    | 7.89 | 4.3        | 3.53   | 96.7 |
| 837      | 1/16/2011 7:01  | 10.44  | 46.35  | 29.94        | 8.95    | 7.90 | 3.9        | 3.57   | 97.0 |
| 838      | 1/16/2011 7:16  | 10.44  | 46.50  | 30.05        | 8.93    | 7.90 | 3.6        | 3.62   | 96.8 |
| 839      | 1/16/2011 7:31  | 10.44  | 46.77  | 30.24        | 8.94    | 7.90 | 3.4        | 3.68   | 97.0 |
| 840      | 1/16/2011 7:46  | 10.45  | 46.59  | 30.11        | 8.96    | 7.91 | 3.0        | 3.69   | 97.1 |
| 841      | 1/16/2011 8:01  | 10.45  | 46.38  | 29.96        | 8.93    | 7.91 | 2.2        | 3.71   | 96.8 |
| 842      | 1/16/2011 8:16  | 10.46  | 46.89  | 30.33        | 8.93    | 7.91 | 2.1        | 3.75   | 97.0 |
| 843      | 1/16/2011 8:31  | 10.45  | 46.66  | 30.16        | 8.92    | 7.91 | 3.1        | 3.75   | 96.8 |
| 844      | 1/16/2011 8:46  | 10.45  | 46.57  | 30.10        | 8.97    | 7.91 | 3.5        | 3.73   | 97.3 |
| 845      | 1/16/2011 9:01  | 10.45  | 46.28  | 29.89        | 8.97    | 7.90 | 3.2        | 3.71   | 97.1 |
| 846      | 1/16/2011 9:16  | 10.45  | 45.97  | 29.67        | 8.79    | 7.86 | 4.1        | 3.67   | 95.1 |
| 847      | 1/16/2011 9:31  | 10.45  | 45.59  | 29.40        | 8.77    | 7.85 | 3.5        | 3.59   | 94.7 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 848      | 1/16/2011 9:46  | 10.46  | 45.35  | 29.23        | 8.79    | 7.85 | 2.4        | 3.52   | 94.9  |
| 849      | 1/16/2011 10:01 | 10.48  | 45.55  | 29.37        | 8.79    | 7.85 | 2.9        | 3.44   | 94.9  |
| 850      | 1/16/2011 10:16 | 10.49  | 45.54  | 29.37        | 8.79    | 7.85 | 2.5        | 3.35   | 95.0  |
| 851      | 1/16/2011 10:31 | 10.48  | 45.25  | 29.16        | 8.82    | 7.85 | 4.0        | 3.26   | 95.2  |
| 852      | 1/16/2011 10:46 | 10.56  | 44.85  | 28.88        | 8.89    | 7.84 | 2.6        | 3.16   | 95.9  |
| 853      | 1/16/2011 11:01 | 10.56  | 44.72  | 28.79        | 8.89    | 7.85 | 2.6        | 3.05   | 95.9  |
| 854      | 1/16/2011 11:16 | 10.56  | 44.53  | 28.65        | 8.93    | 7.84 | 2.9        | 2.94   | 96.2  |
| 855      | 1/16/2011 11:31 | 10.60  | 44.93  | 28.94        | 8.95    | 7.85 | 3.3        | 2.84   | 96.6  |
| 856      | 1/16/2011 11:46 | 10.64  | 44.50  | 28.63        | 8.98    | 7.84 | 2.7        | 2.74   | 96.9  |
| 857      | 1/16/2011 12:01 | 10.70  | 44.27  | 28.47        | 9.00    | 7.84 | 3.2        | 2.62   | 97.1  |
| 858      | 1/16/2011 12:16 | 10.75  | 44.16  | 28.39        | 9.06    | 7.84 | 4.0        | 2.50   | 97.8  |
| 859      | 1/16/2011 12:31 | 10.82  | 44.12  | 28.37        | 9.14    | 7.84 | 3.3        | 2.37   | 98.8  |
| 860      | 1/16/2011 12:46 | 10.87  | 44.25  | 28.46        | 9.17    | 7.87 | 4.2        | 2.25   | 99.3  |
| 861      | 1/16/2011 13:01 | 10.91  | 44.27  | 28.48        | 9.38    | 7.86 | 4.5        | 2.12   | 101.7 |
| 862      | 1/16/2011 13:16 | 10.91  | 43.69  | 28.07        | 9.23    | 7.85 | 5.2        | 2.01   | 99.8  |
| 863      | 1/16/2011 13:31 | 10.99  | 43.69  | 28.07        | 9.25    | 7.86 | 5.6        | 1.88   | 100.2 |
| 864      | 1/16/2011 13:46 | 11.06  | 43.19  | 27.72        | 9.32    | 7.86 | 7.6        | 1.74   | 100.9 |
| 865      | 1/16/2011 14:01 | 11.09  | 43.56  | 27.99        | 9.25    | 7.85 | 9.2        | 1.63   | 100.4 |
| 866      | 1/16/2011 14:16 | 11.12  | 43.18  | 27.72        | 9.25    | 7.85 | 9.2        | 1.56   | 100.2 |
| 867      | 1/16/2011 14:31 | 11.18  | 42.92  | 27.53        | 9.26    | 7.85 | 9.5        | 1.45   | 100.4 |
| 868      | 1/16/2011 14:46 | 11.22  | 42.52  | 27.25        | 9.28    | 7.85 | 9.2        | 1.34   | 100.5 |
| 869      | 1/16/2011 15:01 | 11.29  | 42.67  | 27.36        | 9.26    | 7.85 | 7.6        | 1.31   | 100.5 |
| 870      | 1/16/2011 15:16 | 11.31  | 42.46  | 27.22        | 9.27    | 7.85 | 6.7        | 1.28   | 100.6 |
| 871      | 1/16/2011 15:31 | 11.27  | 42.74  | 27.41        | 9.25    | 7.84 | 6.5        | 1.28   | 100.3 |
| 872      | 1/16/2011 15:46 | 11.22  | 42.97  | 27.57        | 9.22    | 7.84 | 8.9        | 1.29   | 100.1 |
| 873      | 1/16/2011 16:01 | 11.19  | 43.05  | 27.63        | 9.17    | 7.84 | 5.7        | 1.33   | 99.5  |
| 874      | 1/16/2011 16:16 | 11.15  | 43.02  | 27.60        | 9.16    | 7.84 | 4.9        | 1.40   | 99.3  |
| 875      | 1/16/2011 16:31 | 11.15  | 42.99  | 27.59        | 9.18    | 7.84 | 4.2        | 1.46   | 99.4  |
| 876      | 1/16/2011 16:46 | 11.18  | 42.46  | 27.21        | 9.12    | 7.83 | 4.3        | 1.52   | 98.6  |
| 877      | 1/16/2011 17:01 | 11.18  | 42.30  | 27.09        | 9.09    | 7.82 | 4.4        | 1.58   | 98.3  |
| 878      | 1/16/2011 17:16 | 11.13  | 42.10  | 26.95        | 9.07    | 7.82 | 4.6        | 1.68   | 97.9  |
| 879      | 1/16/2011 17:31 | 11.12  | 41.95  | 26.85        | 9.07    | 7.82 | 5.3        | 1.73   | 97.7  |
| 880      | 1/16/2011 17:46 | 11.10  | 42.54  | 27.26        | 9.02    | 7.82 | 4.3        | 1.77   | 97.4  |
| 881      | 1/16/2011 18:01 | 11.06  | 42.58  | 27.29        | 9.01    | 7.82 | 3.9        | 1.85   | 97.2  |
| 882      | 1/16/2011 18:16 | 11.05  | 42.48  | 27.22        | 9.00    | 7.82 | 4.0        | 1.94   | 97.1  |
| 883      | 1/16/2011 18:31 | 10.96  | 42.69  | 27.36        | 8.94    | 7.82 | 4.6        | 2.02   | 96.3  |
| 884      | 1/16/2011 18:46 | 10.90  | 43.15  | 27.69        | 8.87    | 7.82 | 4.3        | 2.08   | 95.7  |
| 885      | 1/16/2011 19:01 | 10.79  | 43.52  | 27.94        | 8.79    | 7.81 | 4.5        | 2.16   | 94.8  |
| 886      | 1/16/2011 19:16 | 10.81  | 43.45  | 27.90        | 8.80    | 7.81 | 4.6        | 2.25   | 94.9  |
| 887      | 1/16/2011 19:31 | 10.73  | 43.90  | 28.21        | 8.78    | 7.82 | 5.4        | 2.33   | 94.6  |
| 888      | 1/16/2011 19:46 | 10.72  | 43.78  | 28.12        | 8.78    | 7.81 | 4.5        | 2.41   | 94.6  |
| 889      | 1/16/2011 20:01 | 10.73  | 43.51  | 27.94        | 8.80    | 7.81 | 4.9        | 2.49   | 94.7  |
| 890      | 1/16/2011 20:16 | 10.73  | 44.17  | 28.40        | 8.77    | 7.82 | 4.3        | 2.55   | 94.6  |
| 891      | 1/16/2011 20:31 | 10.69  | 44.07  | 28.33        | 8.76    | 7.82 | 6.7        | 2.65   | 94.5  |
| 892      | 1/16/2011 20:46 | 10.68  | 44.21  | 28.43        | 8.77    | 7.82 | 5.9        | 2.71   | 94.5  |
| 893      | 1/16/2011 21:01 | 10.67  | 44.33  | 28.51        | 8.77    | 7.83 | 7.1        | 2.76   | 94.6  |
| 894      | 1/16/2011 21:16 | 10.66  | 44.26  | 28.46        | 8.79    | 7.83 | 6.5        | 2.83   | 94.7  |
| 895      | 1/16/2011 21:31 | 10.66  | 44.35  | 28.53        | 8.79    | 7.83 | 5.6        | 2.88   | 94.8  |
| 896      | 1/16/2011 21:46 | 10.66  | 44.32  | 28.50        | 8.80    | 7.83 | 5.2        | 2.93   | 94.9  |
| 897      | 1/16/2011 22:01 | 10.66  | 44.35  | 28.52        | 8.76    | 7.83 | 3.8        | 2.96   | 94.5  |
| 898      | 1/16/2011 22:16 | 10.65  | 44.33  | 28.51        | 8.75    | 7.83 | 3.4        | 3.00   | 94.3  |
| 899      | 1/16/2011 22:31 | 10.66  | 44.89  | 28.91        | 8.79    | 7.85 | 3.7        | 3.01   | 95.1  |
| 900      | 1/16/2011 22:46 | 10.67  | 44.79  | 28.84        | 8.77    | 7.84 | 3.2        | 3.03   | 94.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 901      | 1/16/2011 23:01 | 10.66  | 44.94  | 28.95        | 8.71    | 7.84 | 3.1        | 3.00   | 94.2  |
| 902      | 1/16/2011 23:16 | 10.66  | 45.00  | 28.99        | 8.77    | 7.84 | 4.1        | 2.99   | 94.9  |
| 903      | 1/16/2011 23:31 | 10.67  | 44.19  | 28.41        | 8.76    | 7.83 | 3.8        | 2.94   | 94.4  |
| 904      | 1/16/2011 23:46 | 10.69  | 44.66  | 28.75        | 8.71    | 7.83 | 4.1        | 2.91   | 94.1  |
| 905      | 1/17/2011 0:01  | 10.69  | 44.38  | 28.55        | 8.70    | 7.82 | 4.0        | 2.86   | 93.9  |
| 906      | 1/17/2011 0:16  | 10.72  | 43.81  | 28.14        | 8.70    | 7.81 | 4.8        | 2.80   | 93.7  |
| 907      | 1/17/2011 0:31  | 10.74  | 43.87  | 28.19        | 8.69    | 7.81 | 5.5        | 2.76   | 93.7  |
| 908      | 1/17/2011 0:46  | 10.73  | 44.17  | 28.40        | 8.63    | 7.81 | 3.2        | 2.71   | 93.2  |
| 909      | 1/17/2011 1:01  | 10.77  | 43.70  | 28.07        | 8.59    | 7.81 | 3.3        | 2.66   | 92.6  |
| 910      | 1/17/2011 1:16  | 10.85  | 43.39  | 27.85        | 8.55    | 7.79 | 3.2        | 2.59   | 92.3  |
| 911      | 1/17/2011 1:31  | 10.84  | 43.50  | 27.93        | 8.60    | 7.80 | 3.1        | 2.55   | 92.8  |
| 912      | 1/17/2011 1:46  | 10.87  | 43.37  | 27.84        | 8.54    | 7.79 | 3.1        | 2.53   | 92.1  |
| 913      | 1/17/2011 2:01  | 10.86  | 43.48  | 27.92        | 8.60    | 7.80 | 2.7        | 2.48   | 92.8  |
| 914      | 1/17/2011 2:16  | 10.88  | 43.17  | 27.70        | 8.54    | 7.79 | 2.8        | 2.45   | 92.1  |
| 915      | 1/17/2011 2:31  | 10.90  | 43.12  | 27.66        | 8.58    | 7.79 | 2.6        | 2.46   | 92.5  |
| 916      | 1/17/2011 2:46  | 10.89  | 43.36  | 27.83        | 8.52    | 7.79 | 2.6        | 2.45   | 91.9  |
| 917      | 1/17/2011 3:01  | 10.88  | 43.44  | 27.89        | 8.48    | 7.79 | 2.5        | 2.42   | 91.5  |
| 918      | 1/17/2011 3:16  | 10.89  | 43.47  | 27.91        | 8.42    | 7.78 | 2.3        | 2.45   | 90.9  |
| 919      | 1/17/2011 3:31  | 10.85  | 43.67  | 28.05        | 8.53    | 7.79 | 3.0        | 2.48   | 92.1  |
| 920      | 1/17/2011 3:46  | 10.81  | 43.59  | 27.99        | 8.58    | 7.80 | 3.5        | 2.52   | 92.5  |
| 921      | 1/17/2011 4:01  | 10.79  | 43.71  | 28.07        | 8.59    | 7.80 | 3.8        | 2.55   | 92.7  |
| 922      | 1/17/2011 4:16  | 10.88  | 43.10  | 27.65        | 8.66    | 7.80 | 3.7        | 2.60   | 93.3  |
| 923      | 1/17/2011 4:31  | 10.78  | 43.54  | 27.95        | 8.61    | 7.80 | 3.3        | 2.67   | 92.7  |
| 924      | 1/17/2011 4:46  | 10.76  | 43.80  | 28.14        | 8.65    | 7.81 | 4.2        | 2.72   | 93.3  |
| 925      | 1/17/2011 5:01  | 10.77  | 43.86  | 28.18        | 8.68    | 7.81 | 3.4        | 2.79   | 93.6  |
| 926      | 1/17/2011 5:16  | 10.75  | 44.13  | 28.37        | 8.70    | 7.82 | 3.1        | 2.87   | 93.9  |
| 927      | 1/17/2011 5:31  | 10.72  | 44.34  | 28.52        | 8.80    | 7.84 | 5.2        | 2.93   | 95.0  |
| 928      | 1/17/2011 5:46  | 10.71  | 45.02  | 29.00        | 8.84    | 7.85 | 5.6        | 3.00   | 95.8  |
| 929      | 1/17/2011 6:01  | 10.71  | 44.73  | 28.80        | 8.89    | 7.85 | 5.2        | 3.09   | 96.2  |
| 930      | 1/17/2011 6:16  | 10.70  | 45.17  | 29.11        | 8.91    | 7.86 | 5.4        | 3.16   | 96.5  |
| 931      | 1/17/2011 6:31  | 10.70  | 45.23  | 29.15        | 8.93    | 7.86 | 5.2        | 3.24   | 96.7  |
| 932      | 1/17/2011 6:46  | 10.70  | 44.84  | 28.87        | 8.94    | 7.86 | 6.2        | 3.32   | 96.7  |
| 933      | 1/17/2011 7:01  | 10.69  | 45.03  | 29.01        | 9.04    | 7.88 | 8.4        | 3.40   | 97.8  |
| 934      | 1/17/2011 7:16  | 10.68  | 45.58  | 29.40        | 9.09    | 7.89 | 8.4        | 3.48   | 98.6  |
| 935      | 1/17/2011 7:31  | 10.68  | 45.40  | 29.28        | 9.12    | 7.90 | 7.8        | 3.55   | 98.9  |
| 936      | 1/17/2011 7:46  | 10.67  | 45.70  | 29.49        | 9.16    | 7.90 | 7.1        | 3.61   | 99.5  |
| 937      | 1/17/2011 8:01  | 10.66  | 46.06  | 29.75        | 9.15    | 7.91 | 7.3        | 3.69   | 99.5  |
| 938      | 1/17/2011 8:16  | 10.66  | 46.00  | 29.70        | 9.17    | 7.91 | 6.1        | 3.74   | 99.7  |
| 939      | 1/17/2011 8:31  | 10.65  | 46.05  | 29.74        | 9.18    | 7.92 | 5.2        | 3.78   | 99.7  |
| 940      | 1/17/2011 8:46  | 10.65  | 45.94  | 29.66        | 9.20    | 7.91 | 4.9        | 3.82   | 99.9  |
| 941      | 1/17/2011 9:01  | 10.65  | 45.79  | 29.55        | 9.17    | 7.91 | 3.5        | 3.84   | 99.6  |
| 942      | 1/17/2011 9:16  | 10.67  | 45.90  | 29.63        | 9.08    | 7.90 | 4.2        | 3.84   | 98.6  |
| 943      | 1/17/2011 9:31  | 10.66  | 46.16  | 29.82        | 9.15    | 7.91 | 4.8        | 3.83   | 99.5  |
| 944      | 1/17/2011 9:46  | 10.65  | 45.90  | 29.63        | 9.23    | 7.92 | 6.0        | 3.79   | 100.3 |
| 945      | 1/17/2011 10:01 | 10.68  | 45.82  | 29.58        | 9.19    | 7.91 | 6.5        | 3.74   | 99.8  |
| 946      | 1/17/2011 10:16 | 10.75  | 45.91  | 29.65        | 9.15    | 7.90 | 6.2        | 3.68   | 99.6  |
| 947      | 1/17/2011 10:31 | 10.78  | 45.39  | 29.27        | 9.19    | 7.89 | 7.1        | 3.60   | 99.9  |
| 948      | 1/17/2011 10:46 | 10.80  | 45.85  | 29.60        | 9.21    | 7.90 | 8.5        | 3.50   | 100.3 |
| 949      | 1/17/2011 11:01 | 10.84  | 45.73  | 29.52        | 9.15    | 7.89 | 9.2        | 3.41   | 99.7  |
| 950      | 1/17/2011 11:16 | 10.83  | 45.16  | 29.11        | 8.98    | 7.86 | 7.9        | 3.31   | 97.5  |
| 951      | 1/17/2011 11:31 | 10.83  | 44.89  | 28.92        | 9.00    | 7.86 | 7.9        | 3.19   | 97.6  |
| 952      | 1/17/2011 11:46 | 10.88  | 45.01  | 29.01        | 9.02    | 7.86 | 9.8        | 3.08   | 98.1  |
| 953      | 1/17/2011 12:01 | 10.93  | 45.05  | 29.04        | 9.05    | 7.86 | 11.3       | 2.96   | 98.5  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 954      | 1/17/2011 12:16 | 11.01  | 45.20  | 29.15        | 9.09    | 7.87 | 15.3              | 2.85            | 99.2  |
| 955      | 1/17/2011 12:31 | 11.06  | 45.20  | 29.15        | 9.12    | 7.87 | 15.8              | 2.72            | 99.6  |
| 956      | 1/17/2011 12:46 | 11.09  | 44.95  | 28.97        | 9.20    | 7.87 | 16.2              | 2.58            | 100.5 |
| 957      | 1/17/2011 13:01 | 11.07  | 44.39  | 28.57        | 9.04    | 7.85 | 22.3              | 2.45            | 98.4  |
| 958      | 1/17/2011 13:16 | 11.21  | 44.42  | 28.60        | 9.22    | 7.88 | 21.9              | 2.32            | 100.7 |
| 959      | 1/17/2011 13:31 | 11.22  | 43.65  | 28.06        | 9.07    | 7.83 | 27.1              | 2.17            | 98.7  |
| 960      | 1/17/2011 13:46 | 11.33  | 43.41  | 27.89        | 9.19    | 7.83 | 27.7              | 2.03            | 100.2 |
| 961      | 1/17/2011 14:01 | 11.41  | 43.22  | 27.75        | 9.15    | 7.83 | 30.8              | 1.87            | 99.8  |
| 962      | 1/17/2011 14:16 | 11.43  | 43.50  | 27.96        | 9.09    | 7.83 | 29.7              | 1.74            | 99.3  |
| 963      | 1/17/2011 14:31 | 11.42  | 43.49  | 27.95        | 9.01    | 7.82 | 30.9              | 1.59            | 98.5  |
| 964      | 1/17/2011 14:46 | 11.37  | 43.33  | 27.83        | 8.94    | 7.81 | 32.5              | 1.45            | 97.5  |
| 965      | 1/17/2011 15:01 | 11.33  | 43.38  | 27.87        | 8.92    | 7.81 | 29.1              | 1.33            | 97.2  |
| 966      | 1/17/2011 15:16 | 11.33  | 43.42  | 27.90        | 8.94    | 7.81 | 25.0              | 1.22            | 97.5  |
| 967      | 1/17/2011 15:31 | 11.41  | 42.75  | 27.42        | 8.96    | 7.81 | 25.2              | 1.12            | 97.5  |
| 968      | 1/17/2011 15:46 | 11.59  | 42.33  | 27.13        | 8.98    | 7.80 | 25.3              | 1.05            | 97.9  |
| 969      | 1/17/2011 16:01 | 11.55  | 42.85  | 27.50        | 8.91    | 7.80 | 20.0              | 1.05            | 97.3  |
| 970      | 1/17/2011 16:16 | 11.61  | 42.30  | 27.11        | 8.96    | 7.80 | 20.3              | 1.07            | 97.7  |
| 971      | 1/17/2011 16:31 | 11.68  | 42.47  | 27.24        | 8.91    | 7.79 | 20.0              | 1.13            | 97.4  |
| 972      | 1/17/2011 16:46 | 11.62  | 42.32  | 27.13        | 8.94    | 7.80 | 18.6              | 1.19            | 97.6  |
| 973      | 1/17/2011 17:01 | 11.65  | 42.50  | 27.26        | 8.90    | 7.79 | 18.3              | 1.25            | 97.3  |
| 974      | 1/17/2011 17:16 | 11.54  | 42.86  | 27.50        | 8.85    | 7.80 | 17.2              | 1.32            | 96.7  |
| 975      | 1/17/2011 17:31 | 11.55  | 42.42  | 27.19        | 8.87    | 7.80 | 16.9              | 1.39            | 96.7  |
| 976      | 1/17/2011 17:46 | 11.58  | 41.77  | 26.74        | 8.89    | 7.79 | 15.9              | 1.43            | 96.8  |
| 977      | 1/17/2011 18:01 | 11.59  | 41.88  | 26.82        | 8.88    | 7.79 | 14.3              | 1.50            | 96.6  |
| 978      | 1/17/2011 18:16 | 11.58  | 42.28  | 27.10        | 8.87    | 7.79 | 14.9              | 1.59            | 96.7  |
| 979      | 1/17/2011 18:31 | 11.58  | 42.32  | 27.13        | 8.86    | 7.79 | 15.9              | 1.64            | 96.6  |
| 980      | 1/17/2011 18:46 | 11.57  | 42.29  | 27.10        | 8.86    | 7.78 | 14.0              | 1.73            | 96.6  |
| 981      | 1/17/2011 19:01 | 11.53  | 42.36  | 27.15        | 8.84    | 7.79 | 14.0              | 1.81            | 96.3  |
| 982      | 1/17/2011 19:16 | 11.43  | 42.44  | 27.20        | 8.84    | 7.81 | 14.6              | 1.92            | 96.1  |
| 983      | 1/17/2011 19:31 | 11.34  | 42.50  | 27.24        | 8.82    | 7.74 | 12.5              | 2.00            | 95.7  |
| 984      | 1/17/2011 19:46 | 11.26  | 42.97  | 27.57        | 8.80    | 7.82 | 11.5              | 2.11            | 95.5  |
| 985      | 1/17/2011 20:01 | 11.22  | 42.74  | 27.41        | 8.83    | 7.75 | 12.3              | 2.20            | 95.8  |
| 986      | 1/17/2011 20:16 | 11.21  | 43.28  | 27.79        | 8.84    | 7.82 | 12.7              | 2.30            | 96.0  |
| 987      | 1/17/2011 20:31 | 11.16  | 43.04  | 27.62        | 8.86    | 7.83 | 15.7              | 2.39            | 96.0  |
| 988      | 1/17/2011 20:46 | 11.14  | 43.35  | 27.84        | 8.85    | 7.76 | 14.1              | 2.47            | 96.0  |
| 989      | 1/17/2011 21:01 | 11.11  | 43.40  | 27.87        | 8.86    | 7.84 | 13.6              | 2.56            | 96.1  |
| 990      | 1/17/2011 21:16 | 11.09  | 43.65  | 28.05        | 8.88    | 7.84 | 14.9              | 2.64            | 96.3  |
| 991      | 1/17/2011 21:31 | 11.08  | 43.72  | 28.10        | 8.88    | 7.84 | 16.7              | 2.71            | 96.4  |
| 992      | 1/17/2011 21:46 | 11.04  | 43.85  | 28.19        | 8.90    | 7.85 | 17.0              | 2.78            | 96.6  |
| 993      | 1/17/2011 22:01 | 11.00  | 44.05  | 28.33        | 8.94    | 7.85 | 18.5              | 2.85            | 97.0  |
| 994      | 1/17/2011 22:16 | 10.97  | 44.47  | 28.62        | 8.97    | 7.87 | 19.3              | 2.91            | 97.5  |
| 995      | 1/17/2011 22:31 | 10.95  | 44.99  | 29.00        | 9.06    | 7.88 | 15.5              | 2.96            | 98.7  |
| 996      | 1/17/2011 22:46 | 10.94  | 44.84  | 28.89        | 9.11    | 7.89 | 8.5               | 3.02            | 99.0  |
| 997      | 1/17/2011 23:01 | 10.93  | 44.72  | 28.80        | 9.14    | 7.82 | 8.1               | 3.05            | 99.4  |
| 998      | 1/17/2011 23:16 | 10.93  | 44.86  | 28.90        | 9.10    | 7.82 | 6.7               | 3.06            | 99.0  |
| 999      | 1/17/2011 23:31 | 10.93  | 45.29  | 29.21        | 8.99    | 7.85 | 4.1               | 3.07            | 98.0  |
| 1000     | 1/17/2011 23:46 | 10.93  | 45.17  | 29.12        | 9.07    | 7.89 | 6.5               | 3.07            | 98.8  |
| 1001     | 1/18/2011 0:01  | 10.95  | 44.57  | 28.69        | 9.04    | 7.80 | 6.3               | 3.06            | 98.2  |
| 1002     | 1/18/2011 0:16  | 10.93  | 44.78  | 28.84        | 9.12    | 7.82 | 7.8               | 3.01            | 99.2  |
| 1003     | 1/18/2011 0:31  | 10.95  | 44.21  | 28.44        | 9.05    | 7.80 | 10.0              | 2.96            | 98.2  |
| 1004     | 1/18/2011 0:46  | 11.02  | 43.97  | 28.27        | 8.85    | 7.77 | 8.9               | 2.92            | 96.0  |
| 1005     | 1/18/2011 1:01  | 11.04  | 43.67  | 28.06        | 8.78    | 7.84 | 13.5              | 2.85            | 95.2  |
| 1006     | 1/18/2011 1:16  | 11.04  | 43.61  | 28.02        | 8.78    | 7.75 | 9.3               | 2.76            | 95.2  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1007     | 1/18/2011 1:31  | 11.04  | 43.72  | 28.09        | 8.84    | 7.84 | 12.1       | 2.74   | 95.9  |
| 1008     | 1/18/2011 1:46  | 11.05  | 43.50  | 27.94        | 8.76    | 7.83 | 6.5        | 2.66   | 94.9  |
| 1009     | 1/18/2011 2:01  | 11.06  | 43.39  | 27.86        | 8.73    | 7.82 | 6.4        | 2.61   | 94.5  |
| 1010     | 1/18/2011 2:16  | 11.02  | 43.40  | 27.87        | 8.72    | 7.82 | 6.3        | 2.54   | 94.4  |
| 1011     | 1/18/2011 2:31  | 11.03  | 43.33  | 27.82        | 8.69    | 7.82 | 5.7        | 2.50   | 94.0  |
| 1012     | 1/18/2011 2:46  | 11.04  | 43.04  | 27.62        | 8.67    | 7.81 | 5.8        | 2.48   | 93.8  |
| 1013     | 1/18/2011 3:01  | 11.09  | 42.75  | 27.41        | 8.70    | 7.81 | 6.3        | 2.44   | 94.0  |
| 1014     | 1/18/2011 3:16  | 11.08  | 42.83  | 27.46        | 8.64    | 7.81 | 5.7        | 2.38   | 93.4  |
| 1015     | 1/18/2011 3:31  | 11.09  | 42.71  | 27.38        | 8.66    | 7.73 | 5.8        | 2.34   | 93.6  |
| 1016     | 1/18/2011 3:46  | 11.07  | 42.85  | 27.48        | 8.66    | 7.74 | 4.8        | 2.37   | 93.6  |
| 1017     | 1/18/2011 4:01  | 11.05  | 43.18  | 27.72        | 8.63    | 7.73 | 5.2        | 2.35   | 93.4  |
| 1018     | 1/18/2011 4:16  | 11.07  | 42.84  | 27.48        | 8.66    | 7.81 | 4.9        | 2.36   | 93.6  |
| 1019     | 1/18/2011 4:31  | 11.05  | 43.03  | 27.61        | 8.66    | 7.81 | 6.2        | 2.43   | 93.6  |
| 1020     | 1/18/2011 4:46  | 11.06  | 43.19  | 27.72        | 8.70    | 7.82 | 7.3        | 2.48   | 94.1  |
| 1021     | 1/18/2011 5:01  | 11.05  | 43.20  | 27.73        | 8.74    | 7.82 | 9.2        | 2.50   | 94.5  |
| 1022     | 1/18/2011 5:16  | 11.05  | 43.26  | 27.77        | 8.73    | 7.74 | 7.8        | 2.55   | 94.5  |
| 1023     | 1/18/2011 5:31  | 11.03  | 43.71  | 28.09        | 8.75    | 7.75 | 10.9       | 2.64   | 94.9  |
| 1024     | 1/18/2011 5:46  | 11.01  | 43.30  | 27.80        | 8.82    | 7.76 | 9.0        | 2.70   | 95.4  |
| 1025     | 1/18/2011 6:01  | 10.99  | 44.18  | 28.42        | 8.82    | 7.85 | 8.9        | 2.76   | 95.8  |
| 1026     | 1/18/2011 6:16  | 10.97  | 44.22  | 28.45        | 8.88    | 7.86 | 8.4        | 2.84   | 96.4  |
| 1027     | 1/18/2011 6:31  | 10.96  | 44.36  | 28.55        | 8.95    | 7.87 | 11.8       | 2.94   | 97.2  |
| 1028     | 1/18/2011 6:46  | 10.94  | 44.64  | 28.74        | 9.01    | 7.87 | 11.9       | 3.01   | 97.9  |
| 1029     | 1/18/2011 7:01  | 10.91  | 44.70  | 28.79        | 9.03    | 7.80 | 11.7       | 3.06   | 98.1  |
| 1030     | 1/18/2011 7:16  | 10.87  | 45.17  | 29.12        | 9.09    | 7.82 | 15.1       | 3.19   | 98.9  |
| 1031     | 1/18/2011 7:31  | 10.84  | 45.53  | 29.38        | 9.14    | 7.90 | 14.6       | 3.27   | 99.5  |
| 1032     | 1/18/2011 7:46  | 10.78  | 45.46  | 29.33        | 9.20    | 7.92 | 19.4       | 3.36   | 100.0 |
| 1033     | 1/18/2011 8:01  | 10.75  | 45.14  | 29.09        | 9.23    | 7.84 | 15.4       | 3.45   | 100.1 |
| 1034     | 1/18/2011 8:16  | 10.72  | 45.91  | 29.64        | 9.21    | 7.85 | 14.2       | 3.54   | 100.2 |
| 1035     | 1/18/2011 8:31  | 10.69  | 45.91  | 29.64        | 9.22    | 7.94 | 12.8       | 3.62   | 100.3 |
| 1036     | 1/18/2011 8:46  | 10.66  | 45.76  | 29.53        | 9.24    | 7.86 | 13.3       | 3.69   | 100.3 |
| 1037     | 1/18/2011 9:01  | 10.63  | 46.45  | 30.02        | 9.25    | 7.95 | 11.8       | 3.76   | 100.6 |
| 1038     | 1/18/2011 9:16  | 10.61  | 46.54  | 30.09        | 9.28    | 7.95 | 9.4        | 3.82   | 101.0 |
| 1039     | 1/18/2011 9:31  | 10.58  | 47.04  | 30.45        | 9.29    | 7.96 | 8.7        | 3.86   | 101.3 |
| 1040     | 1/18/2011 9:46  | 10.58  | 46.83  | 30.29        | 9.28    | 7.96 | 6.2        | 3.91   | 101.0 |
| 1041     | 1/18/2011 10:01 | 10.57  | 47.13  | 30.51        | 9.17    | 7.96 | 4.4        | 3.91   | 99.9  |
| 1042     | 1/18/2011 10:16 | 10.59  | 46.69  | 30.19        | 9.26    | 7.87 | 6.8        | 3.94   | 100.8 |
| 1043     | 1/18/2011 10:31 | 10.58  | 46.81  | 30.28        | 9.23    | 7.87 | 7.6        | 3.91   | 100.5 |
| 1044     | 1/18/2011 10:46 | 10.66  | 46.62  | 30.15        | 9.23    | 7.94 | 10.2       | 3.84   | 100.6 |
| 1045     | 1/18/2011 11:01 | 10.81  | 45.49  | 29.35        | 9.19    | 7.84 | 7.2        | 3.81   | 100.0 |
| 1046     | 1/18/2011 11:16 | 10.84  | 45.59  | 29.42        | 9.15    | 7.92 | 5.6        | 3.71   | 99.7  |
| 1047     | 1/18/2011 11:31 | 10.89  | 45.36  | 29.25        | 9.10    | 7.91 | 6.0        | 3.60   | 99.1  |
| 1048     | 1/18/2011 11:46 | 10.92  | 45.15  | 29.11        | 9.08    | 7.90 | 6.2        | 3.46   | 98.8  |
| 1049     | 1/18/2011 12:01 | 10.94  | 44.85  | 28.90        | 9.03    | 7.89 | 10.1       | 3.37   | 98.2  |
| 1050     | 1/18/2011 12:16 | 11.01  | 44.59  | 28.71        | 9.03    | 7.88 | 5.8        | 3.23   | 98.3  |
| 1051     | 1/18/2011 12:31 | 11.07  | 44.03  | 28.32        | 8.98    | 7.87 | 8.9        | 3.10   | 97.6  |
| 1052     | 1/18/2011 12:46 | 11.10  | 44.53  | 28.68        | 9.05    | 7.88 | 6.5        | 2.97   | 98.6  |
| 1053     | 1/18/2011 13:01 | 11.11  | 44.73  | 28.82        | 9.12    | 7.89 | 5.5        | 2.84   | 99.5  |
| 1054     | 1/18/2011 13:16 | 11.15  | 44.54  | 28.69        | 9.16    | 7.88 | 6.5        | 2.71   | 99.9  |
| 1055     | 1/18/2011 13:31 | 11.22  | 44.20  | 28.45        | 9.06    | 7.87 | 9.6        | 2.57   | 98.9  |
| 1056     | 1/18/2011 13:46 | 11.27  | 43.65  | 28.06        | 9.09    | 7.87 | 10.1       | 2.41   | 99.0  |
| 1057     | 1/18/2011 14:01 | 11.33  | 43.49  | 27.94        | 9.01    | 7.78 | 10.6       | 2.29   | 98.3  |
| 1058     | 1/18/2011 14:16 | 11.37  | 43.72  | 28.11        | 9.11    | 7.78 | 11.3       | 2.12   | 99.5  |
| 1059     | 1/18/2011 14:31 | 11.49  | 43.39  | 27.88        | 9.22    | 7.85 | 11.7       | 1.98   | 100.8 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1060     | 1/18/2011 14:46 | 11.52  | 43.16  | 27.72        | 9.18    | 7.83 | 12.2              | 1.81            | 100.3 |
| 1061     | 1/18/2011 15:01 | 11.58  | 43.20  | 27.75        | 9.08    | 7.83 | 12.8              | 1.65            | 99.4  |
| 1062     | 1/18/2011 15:16 | 11.59  | 42.55  | 27.29        | 9.01    | 7.81 | 11.8              | 1.51            | 98.4  |
| 1063     | 1/18/2011 15:31 | 11.62  | 42.78  | 27.45        | 8.98    | 7.81 | 11.4              | 1.35            | 98.3  |
| 1064     | 1/18/2011 15:46 | 11.65  | 42.64  | 27.36        | 8.99    | 7.81 | 11.4              | 1.21            | 98.3  |
| 1065     | 1/18/2011 16:01 | 11.67  | 42.39  | 27.18        | 8.99    | 7.80 | 10.9              | 1.07            | 98.3  |
| 1066     | 1/18/2011 16:16 | 11.70  | 41.92  | 26.85        | 9.00    | 7.80 | 10.1              | 0.98            | 98.2  |
| 1067     | 1/18/2011 16:31 | 11.67  | 42.23  | 27.06        | 8.95    | 7.81 | 9.5               | 0.93            | 97.7  |
| 1068     | 1/18/2011 16:46 | 11.67  | 42.50  | 27.26        | 8.96    | 7.80 | 8.9               | 0.94            | 98.0  |
| 1069     | 1/18/2011 17:01 | 11.66  | 42.50  | 27.25        | 8.94    | 7.80 | 8.0               | 0.98            | 97.8  |
| 1070     | 1/18/2011 17:16 | 11.62  | 42.45  | 27.22        | 8.94    | 7.83 | 11.3              | 1.04            | 97.6  |
| 1071     | 1/18/2011 17:31 | 11.61  | 42.37  | 27.16        | 8.93    | 7.82 | 10.0              | 1.11            | 97.4  |
| 1072     | 1/18/2011 17:46 | 11.57  | 41.96  | 26.87        | 8.93    | 7.74 | 9.5               | 1.17            | 97.2  |
| 1073     | 1/18/2011 18:01 | 11.58  | 41.83  | 26.78        | 8.88    | 7.82 | 7.8               | 1.26            | 96.6  |
| 1074     | 1/18/2011 18:16 | 11.59  | 41.76  | 26.73        | 8.87    | 7.74 | 8.3               | 1.34            | 96.5  |
| 1075     | 1/18/2011 18:31 | 11.59  | 41.76  | 26.73        | 8.83    | 7.73 | 8.6               | 1.37            | 96.0  |
| 1076     | 1/18/2011 18:46 | 11.59  | 41.65  | 26.65        | 8.81    | 7.73 | 8.0               | 1.44            | 95.8  |
| 1077     | 1/18/2011 19:01 | 11.58  | 41.85  | 26.79        | 8.84    | 7.73 | 8.1               | 1.52            | 96.2  |
| 1078     | 1/18/2011 19:16 | 11.57  | 42.06  | 26.94        | 8.81    | 7.73 | 7.3               | 1.59            | 95.9  |
| 1079     | 1/18/2011 19:31 | 11.55  | 42.00  | 26.90        | 8.81    | 7.81 | 7.6               | 1.71            | 95.9  |
| 1080     | 1/18/2011 19:46 | 11.49  | 42.27  | 27.08        | 8.83    | 7.81 | 7.8               | 1.80            | 96.0  |
| 1081     | 1/18/2011 20:01 | 11.43  | 42.22  | 27.05        | 8.83    | 7.73 | 8.0               | 1.90            | 95.9  |
| 1082     | 1/18/2011 20:16 | 11.35  | 42.87  | 27.50        | 8.80    | 7.82 | 8.2               | 2.02            | 95.7  |
| 1083     | 1/18/2011 20:31 | 11.33  | 43.02  | 27.61        | 8.81    | 7.82 | 8.4               | 2.11            | 95.9  |
| 1084     | 1/18/2011 20:46 | 11.32  | 42.93  | 27.55        | 8.83    | 7.75 | 9.6               | 2.22            | 96.0  |
| 1085     | 1/18/2011 21:01 | 11.32  | 43.36  | 27.85        | 8.83    | 7.75 | 10.7              | 2.35            | 96.2  |
| 1086     | 1/18/2011 21:16 | 11.28  | 43.60  | 28.02        | 8.83    | 7.75 | 11.1              | 2.46            | 96.2  |
| 1087     | 1/18/2011 21:31 | 11.21  | 43.39  | 27.87        | 8.87    | 7.76 | 11.7              | 2.54            | 96.4  |
| 1088     | 1/18/2011 21:46 | 11.16  | 43.45  | 27.91        | 8.89    | 7.77 | 15.9              | 2.64            | 96.6  |
| 1089     | 1/18/2011 22:01 | 11.10  | 44.19  | 28.43        | 8.93    | 7.86 | 17.7              | 2.73            | 97.2  |
| 1090     | 1/18/2011 22:16 | 11.07  | 44.17  | 28.42        | 8.96    | 7.78 | 15.8              | 2.81            | 97.4  |
| 1091     | 1/18/2011 22:31 | 10.98  | 44.85  | 28.90        | 9.10    | 7.88 | 17.3              | 2.89            | 99.1  |
| 1092     | 1/18/2011 22:46 | 10.93  | 44.99  | 29.00        | 9.18    | 7.81 | 15.0              | 2.95            | 99.9  |
| 1093     | 1/18/2011 23:01 | 10.90  | 45.45  | 29.32        | 9.19    | 7.89 | 14.7              | 3.03            | 100.1 |
| 1094     | 1/18/2011 23:16 | 10.87  | 45.46  | 29.33        | 9.18    | 7.82 | 14.8              | 3.09            | 100.0 |
| 1095     | 1/18/2011 23:31 | 10.83  | 45.69  | 29.49        | 9.16    | 7.82 | 13.5              | 3.13            | 99.8  |
| 1096     | 1/18/2011 23:46 | 10.77  | 45.93  | 29.66        | 9.09    | 7.83 | 10.0              | 3.19            | 98.9  |
| 1097     | 1/19/2011 0:01  | 10.74  | 46.25  | 29.88        | 9.06    | 7.83 | 8.3               | 3.20            | 98.7  |
| 1098     | 1/19/2011 0:16  | 10.76  | 46.77  | 30.26        | 9.01    | 7.91 | 7.9               | 3.20            | 98.5  |
| 1099     | 1/19/2011 0:31  | 10.76  | 46.45  | 30.03        | 9.03    | 7.83 | 9.0               | 3.17            | 98.5  |
| 1100     | 1/19/2011 0:46  | 10.78  | 46.61  | 30.14        | 9.03    | 7.91 | 7.9               | 3.16            | 98.7  |
| 1101     | 1/19/2011 1:01  | 10.84  | 45.80  | 29.57        | 9.04    | 7.82 | 12.3              | 3.10            | 98.6  |
| 1102     | 1/19/2011 1:16  | 10.92  | 44.91  | 28.93        | 8.98    | 7.87 | 11.0              | 3.02            | 97.7  |
| 1103     | 1/19/2011 1:31  | 10.94  | 44.86  | 28.90        | 9.01    | 7.80 | 14.2              | 2.93            | 98.0  |
| 1104     | 1/19/2011 1:46  | 11.00  | 44.31  | 28.52        | 8.94    | 7.78 | 15.0              | 2.86            | 97.1  |
| 1105     | 1/19/2011 2:01  | 11.04  | 44.39  | 28.57        | 8.82    | 7.85 | 8.6               | 2.77            | 95.9  |
| 1106     | 1/19/2011 2:16  | 11.05  | 44.40  | 28.58        | 8.77    | 7.85 | 6.5               | 2.69            | 95.5  |
| 1107     | 1/19/2011 2:31  | 11.06  | 44.03  | 28.32        | 8.77    | 7.84 | 6.1               | 2.62            | 95.3  |
| 1108     | 1/19/2011 2:46  | 11.07  | 43.52  | 27.96        | 8.78    | 7.84 | 6.5               | 2.56            | 95.2  |
| 1109     | 1/19/2011 3:01  | 11.09  | 43.28  | 27.79        | 8.75    | 7.75 | 7.0               | 2.48            | 94.8  |
| 1110     | 1/19/2011 3:16  | 11.10  | 43.59  | 28.01        | 8.72    | 7.83 | 6.2               | 2.41            | 94.6  |
| 1111     | 1/19/2011 3:31  | 11.09  | 43.28  | 27.79        | 8.66    | 7.82 | 5.2               | 2.36            | 93.9  |
| 1112     | 1/19/2011 3:46  | 11.14  | 42.80  | 27.45        | 8.69    | 7.74 | 5.2               | 2.30            | 94.0  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1113     | 1/19/2011 4:01  | 11.16  | 42.97  | 27.57        | 8.63    | 7.81 | 4.5               | 2.25            | 93.6  |
| 1114     | 1/19/2011 4:16  | 11.18  | 42.52  | 27.25        | 8.60    | 7.80 | 4.0               | 2.22            | 93.0  |
| 1115     | 1/19/2011 4:31  | 11.20  | 42.51  | 27.25        | 8.52    | 7.80 | 3.9               | 2.21            | 92.2  |
| 1116     | 1/19/2011 4:46  | 11.20  | 42.76  | 27.42        | 8.54    | 7.72 | 4.2               | 2.21            | 92.5  |
| 1117     | 1/19/2011 5:01  | 11.14  | 43.03  | 27.61        | 8.62    | 7.81 | 4.7               | 2.22            | 93.4  |
| 1118     | 1/19/2011 5:16  | 11.13  | 43.18  | 27.72        | 8.64    | 7.74 | 5.2               | 2.25            | 93.6  |
| 1119     | 1/19/2011 5:31  | 11.11  | 43.08  | 27.65        | 8.66    | 7.82 | 5.5               | 2.30            | 93.8  |
| 1120     | 1/19/2011 5:46  | 11.11  | 43.16  | 27.70        | 8.72    | 7.74 | 6.5               | 2.37            | 94.4  |
| 1121     | 1/19/2011 6:01  | 11.10  | 43.13  | 27.68        | 8.70    | 7.82 | 6.8               | 2.43            | 94.2  |
| 1122     | 1/19/2011 6:16  | 11.08  | 43.51  | 27.95        | 8.70    | 7.82 | 8.1               | 2.50            | 94.4  |
| 1123     | 1/19/2011 6:31  | 11.06  | 43.93  | 28.24        | 8.75    | 7.83 | 8.7               | 2.59            | 95.0  |
| 1124     | 1/19/2011 6:46  | 11.00  | 44.50  | 28.65        | 8.79    | 7.85 | 10.7              | 2.67            | 95.5  |
| 1125     | 1/19/2011 7:01  | 10.97  | 44.61  | 28.72        | 8.81    | 7.85 | 8.5               | 2.74            | 95.8  |
| 1126     | 1/19/2011 7:16  | 10.93  | 44.95  | 28.97        | 8.89    | 7.79 | 11.0              | 2.83            | 96.7  |
| 1127     | 1/19/2011 7:31  | 10.87  | 45.16  | 29.12        | 8.91    | 7.80 | 12.1              | 2.92            | 96.8  |
| 1128     | 1/19/2011 7:46  | 10.83  | 45.83  | 29.59        | 8.90    | 7.88 | 11.7              | 3.00            | 97.0  |
| 1129     | 1/19/2011 8:01  | 10.78  | 46.30  | 29.92        | 8.87    | 7.89 | 12.1              | 3.10            | 96.8  |
| 1130     | 1/19/2011 8:16  | 10.77  | 46.02  | 29.72        | 8.90    | 7.81 | 13.7              | 3.19            | 96.9  |
| 1131     | 1/19/2011 8:31  | 10.72  | 46.54  | 30.10        | 8.90    | 7.90 | 14.3              | 3.29            | 97.1  |
| 1132     | 1/19/2011 8:46  | 10.67  | 46.54  | 30.09        | 8.91    | 7.90 | 15.9              | 3.39            | 97.1  |
| 1133     | 1/19/2011 9:01  | 10.63  | 46.88  | 30.33        | 8.90    | 7.83 | 16.4              | 3.49            | 97.1  |
| 1134     | 1/19/2011 9:16  | 10.58  | 46.91  | 30.35        | 8.93    | 7.83 | 15.6              | 3.59            | 97.2  |
| 1135     | 1/19/2011 9:31  | 10.53  | 47.34  | 30.66        | 8.92    | 7.84 | 19.5              | 3.68            | 97.3  |
| 1136     | 1/19/2011 9:46  | 10.49  | 47.35  | 30.66        | 8.96    | 7.84 | 17.0              | 3.76            | 97.6  |
| 1137     | 1/19/2011 10:01 | 10.47  | 47.60  | 30.84        | 8.94    | 7.84 | 11.9              | 3.83            | 97.4  |
| 1138     | 1/19/2011 10:16 | 10.46  | 47.91  | 31.06        | 8.93    | 7.93 | 10.6              | 3.89            | 97.5  |
| 1139     | 1/19/2011 10:31 | 10.45  | 47.91  | 31.06        | 8.92    | 7.85 | 8.4               | 3.94            | 97.4  |
| 1140     | 1/19/2011 10:46 | 10.45  | 47.75  | 30.94        | 8.88    | 7.85 | 6.2               | 3.95            | 96.8  |
| 1141     | 1/19/2011 11:01 | 10.50  | 47.79  | 30.98        | 8.89    | 7.84 | 8.2               | 3.94            | 97.1  |
| 1142     | 1/19/2011 11:16 | 10.46  | 47.53  | 30.79        | 8.94    | 7.84 | 8.8               | 3.93            | 97.4  |
| 1143     | 1/19/2011 11:31 | 10.56  | 47.23  | 30.58        | 8.95    | 7.84 | 10.3              | 3.87            | 97.6  |
| 1144     | 1/19/2011 11:46 | 10.79  | 47.29  | 30.64        | 8.98    | 7.92 | 7.3               | 3.78            | 98.4  |
| 1145     | 1/19/2011 12:01 | 10.92  | 46.81  | 30.30        | 8.99    | 7.91 | 7.7               | 3.68            | 98.6  |
| 1146     | 1/19/2011 12:16 | 10.98  | 46.54  | 30.10        | 9.00    | 7.83 | 5.5               | 3.59            | 98.8  |
| 1147     | 1/19/2011 12:31 | 11.06  | 46.30  | 29.94        | 8.99    | 7.82 | 5.6               | 3.48            | 98.7  |
| 1148     | 1/19/2011 12:46 | 11.12  | 45.88  | 29.64        | 9.00    | 7.90 | 6.2               | 3.34            | 98.8  |
| 1149     | 1/19/2011 13:01 | 11.20  | 45.71  | 29.53        | 9.01    | 7.89 | 6.8               | 3.23            | 98.9  |
| 1150     | 1/19/2011 13:16 | 11.24  | 45.74  | 29.55        | 9.02    | 7.81 | 6.0               | 3.10            | 99.2  |
| 1151     | 1/19/2011 13:31 | 11.35  | 44.86  | 28.92        | 9.07    | 7.89 | 5.9               | 2.96            | 99.6  |
| 1152     | 1/19/2011 13:46 | 11.44  | 44.69  | 28.81        | 9.06    | 7.80 | 5.7               | 2.83            | 99.6  |
| 1153     | 1/19/2011 14:01 | 11.49  | 44.38  | 28.59        | 9.03    | 7.79 | 6.3               | 2.68            | 99.2  |
| 1154     | 1/19/2011 14:16 | 11.55  | 44.59  | 28.74        | 9.08    | 7.80 | 6.8               | 2.55            | 100.0 |
| 1155     | 1/19/2011 14:31 | 11.66  | 44.21  | 28.47        | 9.09    | 7.80 | 7.1               | 2.39            | 100.2 |
| 1156     | 1/19/2011 14:46 | 11.59  | 44.03  | 28.34        | 9.24    | 7.84 | 8.9               | 2.23            | 101.6 |
| 1157     | 1/19/2011 15:01 | 11.57  | 43.71  | 28.11        | 9.04    | 7.85 | 11.1              | 2.08            | 99.2  |
| 1158     | 1/19/2011 15:16 | 11.65  | 43.57  | 28.01        | 9.10    | 7.78 | 11.8              | 1.89            | 99.9  |
| 1159     | 1/19/2011 15:31 | 11.71  | 42.96  | 27.59        | 9.11    | 7.83 | 12.7              | 1.72            | 100.0 |
| 1160     | 1/19/2011 15:46 | 11.71  | 43.14  | 27.71        | 9.06    | 7.82 | 11.1              | 1.57            | 99.4  |
| 1161     | 1/19/2011 16:01 | 11.75  | 43.20  | 27.76        | 9.08    | 7.84 | 10.9              | 1.39            | 99.7  |
| 1162     | 1/19/2011 16:16 | 11.76  | 42.90  | 27.54        | 9.11    | 7.82 | 11.0              | 1.23            | 99.9  |
| 1163     | 1/19/2011 16:31 | 11.76  | 42.80  | 27.47        | 9.10    | 7.77 | 10.7              | 1.08            | 99.9  |
| 1164     | 1/19/2011 16:46 | 11.78  | 42.62  | 27.35        | 9.11    | 7.76 | 11.6              | 0.92            | 99.9  |
| 1165     | 1/19/2011 17:01 | 11.82  | 42.41  | 27.20        | 9.07    | 7.76 | 10.6              | 0.81            | 99.4  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 1166     | 1/19/2011 17:16 | 11.82  | 42.30  | 27.12        | 9.05    | 7.81 | 11.0              | 0.78            | 99.2 |
| 1167     | 1/19/2011 17:31 | 11.90  | 42.12  | 26.99        | 9.08    | 7.76 | 9.1               | 0.78            | 99.6 |
| 1168     | 1/19/2011 17:46 | 11.91  | 42.36  | 27.17        | 9.04    | 7.76 | 7.4               | 0.84            | 99.3 |
| 1169     | 1/19/2011 18:01 | 11.86  | 42.57  | 27.31        | 9.10    | 7.83 | 7.6               | 0.96            | 99.9 |
| 1170     | 1/19/2011 18:16 | 11.81  | 42.34  | 27.15        | 9.09    | 7.83 | 8.1               | 1.01            | 99.6 |
| 1171     | 1/19/2011 18:31 | 11.77  | 41.45  | 26.52        | 9.08    | 7.75 | 9.0               | 1.10            | 99.0 |
| 1172     | 1/19/2011 18:46 | 11.78  | 42.15  | 27.01        | 9.02    | 7.82 | 7.9               | 1.17            | 98.7 |
| 1173     | 1/19/2011 19:01 | 11.78  | 42.34  | 27.15        | 8.99    | 7.83 | 7.2               | 1.23            | 98.4 |
| 1174     | 1/19/2011 19:16 | 11.78  | 42.01  | 26.91        | 8.98    | 7.74 | 7.3               | 1.31            | 98.2 |
| 1175     | 1/19/2011 19:31 | 11.78  | 42.25  | 27.08        | 8.97    | 7.82 | 7.4               | 1.38            | 98.3 |
| 1176     | 1/19/2011 19:46 | 11.77  | 42.05  | 26.94        | 8.98    | 7.74 | 7.1               | 1.48            | 98.2 |
| 1177     | 1/19/2011 20:01 | 11.75  | 42.11  | 26.98        | 8.97    | 7.82 | 7.6               | 1.58            | 98.0 |
| 1178     | 1/19/2011 20:16 | 11.71  | 41.69  | 26.68        | 8.98    | 7.74 | 7.8               | 1.67            | 97.9 |
| 1179     | 1/19/2011 20:31 | 11.64  | 41.87  | 26.81        | 8.97    | 7.74 | 8.2               | 1.78            | 97.8 |
| 1180     | 1/19/2011 20:46 | 11.52  | 43.11  | 27.68        | 8.90    | 7.83 | 8.5               | 1.91            | 97.3 |
| 1181     | 1/19/2011 21:01 | 11.49  | 43.46  | 27.93        | 8.90    | 7.76 | 9.5               | 2.02            | 97.4 |
| 1182     | 1/19/2011 21:16 | 11.48  | 43.60  | 28.03        | 8.92    | 7.76 | 10.0              | 2.14            | 97.7 |
| 1183     | 1/19/2011 21:31 | 11.47  | 43.52  | 27.97        | 8.94    | 7.84 | 10.6              | 2.26            | 97.8 |
| 1184     | 1/19/2011 21:46 | 11.40  | 43.64  | 28.05        | 8.95    | 7.77 | 10.7              | 2.37            | 97.8 |
| 1185     | 1/19/2011 22:01 | 11.32  | 43.90  | 28.24        | 8.94    | 7.77 | 13.7              | 2.49            | 97.6 |
| 1186     | 1/19/2011 22:16 | 11.22  | 44.26  | 28.49        | 8.94    | 7.78 | 16.8              | 2.59            | 97.6 |
| 1187     | 1/19/2011 22:31 | 11.18  | 44.71  | 28.81        | 8.94    | 7.78 | 19.8              | 2.69            | 97.7 |
| 1188     | 1/19/2011 22:46 | 11.17  | 44.82  | 28.88        | 8.94    | 7.86 | 18.7              | 2.78            | 97.7 |
| 1189     | 1/19/2011 23:01 | 10.99  | 45.84  | 29.61        | 8.99    | 7.88 | 15.9              | 2.88            | 98.3 |
| 1190     | 1/19/2011 23:16 | 10.92  | 45.98  | 29.71        | 9.01    | 7.89 | 15.4              | 2.96            | 98.5 |
| 1191     | 1/19/2011 23:31 | 10.88  | 46.21  | 29.86        | 9.00    | 7.89 | 14.5              | 3.02            | 98.4 |
| 1192     | 1/19/2011 23:46 | 10.84  | 46.34  | 29.95        | 9.00    | 7.90 | 14.8              | 3.10            | 98.3 |
| 1193     | 1/20/2011 0:01  | 10.78  | 46.36  | 29.97        | 8.98    | 7.82 | 15.0              | 3.16            | 98.0 |
| 1194     | 1/20/2011 0:16  | 10.75  | 46.80  | 30.28        | 8.95    | 7.82 | 11.7              | 3.21            | 97.8 |
| 1195     | 1/20/2011 0:31  | 10.71  | 46.93  | 30.37        | 8.90    | 7.83 | 7.6               | 3.23            | 97.2 |
| 1196     | 1/20/2011 0:46  | 10.70  | 47.18  | 30.55        | 8.82    | 7.91 | 5.9               | 3.25            | 96.4 |
| 1197     | 1/20/2011 1:01  | 10.73  | 46.77  | 30.26        | 8.91    | 7.83 | 8.2               | 3.26            | 97.3 |
| 1198     | 1/20/2011 1:16  | 10.71  | 47.06  | 30.46        | 8.91    | 7.91 | 7.1               | 3.21            | 97.4 |
| 1199     | 1/20/2011 1:31  | 10.75  | 46.57  | 30.11        | 8.89    | 7.82 | 11.2              | 3.15            | 97.1 |
| 1200     | 1/20/2011 1:46  | 10.82  | 45.76  | 29.54        | 8.80    | 7.79 | 10.4              | 3.09            | 95.9 |
| 1201     | 1/20/2011 2:01  | 10.88  | 45.71  | 29.50        | 8.87    | 7.87 | 11.4              | 3.01            | 96.7 |
| 1202     | 1/20/2011 2:16  | 10.88  | 45.54  | 29.39        | 8.89    | 7.87 | 14.2              | 2.92            | 96.9 |
| 1203     | 1/20/2011 2:31  | 10.96  | 44.93  | 28.95        | 8.80    | 7.86 | 7.9               | 2.84            | 95.8 |
| 1204     | 1/20/2011 2:46  | 10.98  | 44.84  | 28.89        | 8.80    | 7.77 | 6.8               | 2.74            | 95.8 |
| 1205     | 1/20/2011 3:01  | 11.00  | 44.96  | 28.97        | 8.81    | 7.85 | 8.0               | 2.65            | 96.0 |
| 1206     | 1/20/2011 3:16  | 11.06  | 44.38  | 28.57        | 8.80    | 7.85 | 7.5               | 2.58            | 95.7 |
| 1207     | 1/20/2011 3:31  | 11.08  | 43.71  | 28.09        | 8.83    | 7.84 | 7.6               | 2.49            | 95.9 |
| 1208     | 1/20/2011 3:46  | 11.10  | 43.74  | 28.11        | 8.80    | 7.76 | 6.3               | 2.40            | 95.6 |
| 1209     | 1/20/2011 4:01  | 11.11  | 43.56  | 27.99        | 8.80    | 7.75 | 6.0               | 2.33            | 95.5 |
| 1210     | 1/20/2011 4:16  | 11.13  | 43.33  | 27.83        | 8.79    | 7.75 | 5.9               | 2.26            | 95.3 |
| 1211     | 1/20/2011 4:31  | 11.16  | 43.26  | 27.77        | 8.77    | 7.74 | 5.3               | 2.18            | 95.1 |
| 1212     | 1/20/2011 4:46  | 11.18  | 43.19  | 27.73        | 8.74    | 7.74 | 5.1               | 2.13            | 94.8 |
| 1213     | 1/20/2011 5:01  | 11.18  | 42.93  | 27.54        | 8.72    | 7.73 | 4.6               | 2.08            | 94.5 |
| 1214     | 1/20/2011 5:16  | 11.18  | 42.86  | 27.49        | 8.66    | 7.81 | 4.4               | 2.05            | 93.8 |
| 1215     | 1/20/2011 5:31  | 11.19  | 42.71  | 27.39        | 8.62    | 7.81 | 3.9               | 2.04            | 93.3 |
| 1216     | 1/20/2011 5:46  | 11.14  | 43.43  | 27.89        | 8.63    | 7.81 | 4.7               | 2.04            | 93.7 |
| 1217     | 1/20/2011 6:01  | 11.11  | 43.11  | 27.67        | 8.67    | 7.81 | 5.1               | 2.06            | 93.9 |
| 1218     | 1/20/2011 6:16  | 11.11  | 43.33  | 27.82        | 8.71    | 7.74 | 5.9               | 2.12            | 94.4 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1219     | 1/20/2011 6:31  | 11.09  | 43.21  | 27.73        | 8.72    | 7.74 | 6.3        | 2.18   | 94.5  |
| 1220     | 1/20/2011 6:46  | 11.02  | 43.40  | 27.87        | 8.74    | 7.82 | 6.4        | 2.26   | 94.6  |
| 1221     | 1/20/2011 7:01  | 11.04  | 43.15  | 27.69        | 8.76    | 7.74 | 7.8        | 2.35   | 94.8  |
| 1222     | 1/20/2011 7:16  | 11.05  | 43.60  | 28.01        | 8.76    | 7.75 | 8.4        | 2.44   | 95.0  |
| 1223     | 1/20/2011 7:31  | 10.99  | 44.07  | 28.34        | 8.75    | 7.83 | 9.4        | 2.53   | 95.0  |
| 1224     | 1/20/2011 7:46  | 10.97  | 44.87  | 28.91        | 8.77    | 7.85 | 9.7        | 2.61   | 95.4  |
| 1225     | 1/20/2011 8:01  | 10.96  | 44.76  | 28.83        | 8.84    | 7.85 | 10.1       | 2.70   | 96.1  |
| 1226     | 1/20/2011 8:16  | 10.93  | 45.32  | 29.23        | 8.84    | 7.86 | 9.2        | 2.79   | 96.3  |
| 1227     | 1/20/2011 8:31  | 10.89  | 45.25  | 29.18        | 8.86    | 7.79 | 9.0        | 2.89   | 96.4  |
| 1228     | 1/20/2011 8:46  | 10.84  | 45.65  | 29.46        | 8.85    | 7.79 | 10.3       | 2.97   | 96.4  |
| 1229     | 1/20/2011 9:01  | 10.77  | 45.88  | 29.62        | 8.87    | 7.80 | 11.8       | 3.07   | 96.6  |
| 1230     | 1/20/2011 9:16  | 10.72  | 46.28  | 29.90        | 8.87    | 7.88 | 10.9       | 3.17   | 96.6  |
| 1231     | 1/20/2011 9:31  | 10.67  | 46.14  | 29.80        | 8.89    | 7.81 | 11.8       | 3.26   | 96.6  |
| 1232     | 1/20/2011 9:46  | 10.61  | 46.45  | 30.02        | 8.89    | 7.81 | 10.3       | 3.37   | 96.7  |
| 1233     | 1/20/2011 10:01 | 10.51  | 47.33  | 30.65        | 8.87    | 7.83 | 11.0       | 3.47   | 96.7  |
| 1234     | 1/20/2011 10:16 | 10.45  | 47.79  | 30.98        | 8.85    | 7.91 | 14.3       | 3.57   | 96.5  |
| 1235     | 1/20/2011 10:31 | 10.41  | 48.09  | 31.19        | 8.83    | 7.92 | 13.9       | 3.66   | 96.3  |
| 1236     | 1/20/2011 10:46 | 10.41  | 48.32  | 31.35        | 8.82    | 7.92 | 10.5       | 3.75   | 96.3  |
| 1237     | 1/20/2011 11:01 | 10.42  | 48.37  | 31.39        | 8.82    | 7.93 | 7.5        | 3.81   | 96.4  |
| 1238     | 1/20/2011 11:16 | 10.42  | 48.52  | 31.50        | 8.80    | 7.93 | 5.8        | 3.85   | 96.2  |
| 1239     | 1/20/2011 11:31 | 10.42  | 48.49  | 31.48        | 8.75    | 7.93 | 4.1        | 3.89   | 95.7  |
| 1240     | 1/20/2011 11:46 | 10.42  | 48.58  | 31.54        | 8.76    | 7.93 | 3.1        | 3.93   | 95.9  |
| 1241     | 1/20/2011 12:01 | 10.44  | 48.33  | 31.36        | 8.82    | 7.93 | 6.1        | 3.89   | 96.4  |
| 1242     | 1/20/2011 12:16 | 10.41  | 48.37  | 31.39        | 8.84    | 7.84 | 7.4        | 3.85   | 96.6  |
| 1243     | 1/20/2011 12:31 | 10.77  | 47.41  | 30.72        | 8.93    | 7.84 | 11.2       | 3.79   | 97.9  |
| 1244     | 1/20/2011 12:46 | 10.84  | 47.24  | 30.60        | 8.96    | 7.83 | 6.5        | 3.69   | 98.3  |
| 1245     | 1/20/2011 13:01 | 10.94  | 46.86  | 30.33        | 8.95    | 7.83 | 6.2        | 3.57   | 98.3  |
| 1246     | 1/20/2011 13:16 | 10.97  | 46.96  | 30.41        | 8.95    | 7.83 | 6.1        | 3.46   | 98.3  |
| 1247     | 1/20/2011 13:31 | 11.04  | 46.71  | 30.24        | 8.98    | 7.82 | 5.8        | 3.34   | 98.7  |
| 1248     | 1/20/2011 13:46 | 11.12  | 46.24  | 29.90        | 9.00    | 7.90 | 5.8        | 3.21   | 98.9  |
| 1249     | 1/20/2011 14:01 | 11.20  | 46.09  | 29.80        | 9.05    | 7.82 | 5.7        | 3.08   | 99.5  |
| 1250     | 1/20/2011 14:16 | 11.26  | 45.93  | 29.68        | 9.07    | 7.82 | 5.5        | 2.95   | 99.9  |
| 1251     | 1/20/2011 14:31 | 11.34  | 45.47  | 29.36        | 9.06    | 7.81 | 6.8        | 2.78   | 99.6  |
| 1252     | 1/20/2011 14:46 | 11.40  | 45.07  | 29.08        | 9.08    | 7.80 | 6.7        | 2.64   | 99.9  |
| 1253     | 1/20/2011 15:01 | 11.47  | 44.63  | 28.76        | 9.12    | 7.80 | 6.8        | 2.53   | 100.2 |
| 1254     | 1/20/2011 15:16 | 11.47  | 44.61  | 28.75        | 9.11    | 7.79 | 7.8        | 2.36   | 100.2 |
| 1255     | 1/20/2011 15:31 | 11.49  | 44.60  | 28.74        | 9.29    | 7.80 | 7.8        | 2.19   | 102.2 |
| 1256     | 1/20/2011 15:46 | 11.52  | 44.31  | 28.54        | 9.21    | 7.80 | 9.3        | 2.03   | 101.2 |
| 1257     | 1/20/2011 16:01 | 11.55  | 44.03  | 28.34        | 9.32    | 7.81 | 9.8        | 1.86   | 102.4 |
| 1258     | 1/20/2011 16:16 | 11.60  | 43.54  | 28.00        | 9.28    | 7.79 | 11.7       | 1.69   | 101.8 |
| 1259     | 1/20/2011 16:31 | 11.63  | 43.22  | 27.77        | 9.22    | 7.78 | 12.1       | 1.52   | 101.1 |
| 1260     | 1/20/2011 16:46 | 11.64  | 43.52  | 27.98        | 9.16    | 7.86 | 11.8       | 1.35   | 100.6 |
| 1261     | 1/20/2011 17:01 | 11.67  | 43.27  | 27.80        | 9.17    | 7.85 | 12.9       | 1.19   | 100.7 |
| 1262     | 1/20/2011 17:16 | 11.67  | 42.86  | 27.51        | 9.19    | 7.85 | 11.9       | 1.04   | 100.7 |
| 1263     | 1/20/2011 17:31 | 11.66  | 42.59  | 27.32        | 9.20    | 7.77 | 10.4       | 0.92   | 100.6 |
| 1264     | 1/20/2011 17:46 | 11.63  | 42.57  | 27.30        | 9.13    | 7.77 | 9.9        | 0.82   | 99.7  |
| 1265     | 1/20/2011 18:01 | 11.64  | 42.70  | 27.40        | 9.13    | 7.77 | 8.1        | 0.77   | 99.9  |
| 1266     | 1/20/2011 18:16 | 11.64  | 42.74  | 27.43        | 9.12    | 7.85 | 8.2        | 0.79   | 99.8  |
| 1267     | 1/20/2011 18:31 | 11.62  | 42.90  | 27.54        | 9.15    | 7.85 | 7.6        | 0.88   | 100.2 |
| 1268     | 1/20/2011 18:46 | 11.62  | 42.55  | 27.29        | 9.15    | 7.77 | 7.5        | 0.97   | 99.9  |
| 1269     | 1/20/2011 19:01 | 11.62  | 42.69  | 27.39        | 9.13    | 7.77 | 6.3        | 1.06   | 99.9  |
| 1270     | 1/20/2011 19:16 | 11.57  | 42.68  | 27.38        | 9.12    | 7.76 | 7.1        | 1.14   | 99.6  |
| 1271     | 1/20/2011 19:31 | 11.56  | 42.29  | 27.10        | 9.11    | 7.84 | 6.7        | 1.22   | 99.3  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |      |
| 1272     | 1/20/2011 19:46 | 11.56  | 42.30  | 27.11        | 9.09    | 7.84 | 7.0        | 1.28   | 99.1 |
| 1273     | 1/20/2011 20:01 | 11.57  | 42.13  | 26.99        | 9.10    | 7.76 | 6.8        | 1.36   | 99.1 |
| 1274     | 1/20/2011 20:16 | 11.57  | 42.20  | 27.04        | 9.08    | 7.75 | 7.3        | 1.44   | 99.0 |
| 1275     | 1/20/2011 20:31 | 11.55  | 42.19  | 27.04        | 9.10    | 7.75 | 7.3        | 1.57   | 99.1 |
| 1276     | 1/20/2011 20:46 | 11.53  | 42.35  | 27.14        | 9.09    | 7.83 | 7.2        | 1.65   | 99.0 |
| 1277     | 1/20/2011 21:01 | 11.49  | 42.04  | 26.92        | 9.11    | 7.75 | 7.9        | 1.76   | 99.0 |
| 1278     | 1/20/2011 21:16 | 11.42  | 43.28  | 27.80        | 9.01    | 7.84 | 7.9        | 1.89   | 98.3 |
| 1279     | 1/20/2011 21:31 | 11.39  | 43.82  | 28.18        | 8.97    | 7.84 | 8.8        | 2.02   | 98.0 |
| 1280     | 1/20/2011 21:46 | 11.38  | 44.02  | 28.32        | 8.98    | 7.85 | 10.6       | 2.14   | 98.2 |
| 1281     | 1/20/2011 22:01 | 11.36  | 44.38  | 28.58        | 8.98    | 7.85 | 12.3       | 2.27   | 98.4 |
| 1282     | 1/20/2011 22:16 | 11.33  | 44.21  | 28.46        | 8.99    | 7.86 | 13.6       | 2.40   | 98.3 |
| 1283     | 1/20/2011 22:31 | 11.21  | 44.17  | 28.43        | 8.99    | 7.78 | 15.6       | 2.50   | 98.1 |
| 1284     | 1/20/2011 22:46 | 11.20  | 45.21  | 29.16        | 8.93    | 7.86 | 17.6       | 2.61   | 97.8 |
| 1285     | 1/20/2011 23:01 | 11.12  | 45.28  | 29.21        | 8.95    | 7.87 | 19.5       | 2.72   | 97.9 |
| 1286     | 1/20/2011 23:16 | 11.03  | 45.84  | 29.60        | 8.94    | 7.87 | 16.6       | 2.82   | 97.8 |
| 1287     | 1/20/2011 23:31 | 10.87  | 46.76  | 30.26        | 8.91    | 7.89 | 14.5       | 2.89   | 97.5 |
| 1288     | 1/20/2011 23:46 | 10.80  | 46.54  | 30.10        | 8.93    | 7.82 | 15.0       | 3.02   | 97.6 |
| 1289     | 1/21/2011 0:01  | 10.77  | 47.17  | 30.55        | 8.91    | 7.82 | 13.8       | 3.10   | 97.5 |
| 1290     | 1/21/2011 0:16  | 10.74  | 47.29  | 30.64        | 8.91    | 7.90 | 16.4       | 3.19   | 97.5 |
| 1291     | 1/21/2011 0:31  | 10.68  | 47.91  | 31.07        | 8.93    | 7.91 | 13.9       | 3.28   | 97.9 |
| 1292     | 1/21/2011 0:46  | 10.63  | 47.60  | 30.85        | 8.97    | 7.83 | 11.5       | 3.36   | 98.1 |
| 1293     | 1/21/2011 1:01  | 10.59  | 47.90  | 31.07        | 8.94    | 7.84 | 10.0       | 3.37   | 97.9 |
| 1294     | 1/21/2011 1:16  | 10.56  | 48.60  | 31.57        | 8.88    | 7.92 | 8.2        | 3.43   | 97.5 |
| 1295     | 1/21/2011 1:31  | 10.64  | 47.65  | 30.88        | 8.88    | 7.83 | 7.2        | 3.43   | 97.2 |
| 1296     | 1/21/2011 1:46  | 10.57  | 48.19  | 31.27        | 8.90    | 7.92 | 6.8        | 3.40   | 97.4 |
| 1297     | 1/21/2011 2:01  | 10.60  | 46.97  | 30.40        | 8.87    | 7.81 | 9.5        | 3.34   | 96.7 |
| 1298     | 1/21/2011 2:16  | 10.64  | 46.92  | 30.36        | 8.84    | 7.81 | 10.0       | 3.26   | 96.4 |
| 1299     | 1/21/2011 2:31  | 10.68  | 46.91  | 30.36        | 8.83    | 7.81 | 11.4       | 3.17   | 96.3 |
| 1300     | 1/21/2011 2:46  | 10.73  | 46.87  | 30.33        | 8.85    | 7.89 | 11.9       | 3.08   | 96.7 |
| 1301     | 1/21/2011 3:01  | 10.74  | 46.27  | 29.90        | 8.85    | 7.88 | 13.4       | 3.02   | 96.4 |
| 1302     | 1/21/2011 3:16  | 10.77  | 46.12  | 29.79        | 8.79    | 7.87 | 7.1        | 2.88   | 95.7 |
| 1303     | 1/21/2011 3:31  | 10.78  | 45.55  | 29.39        | 8.82    | 7.87 | 7.1        | 2.78   | 95.9 |
| 1304     | 1/21/2011 3:46  | 10.75  | 45.90  | 29.63        | 8.80    | 7.87 | 6.7        | 2.68   | 95.8 |
| 1305     | 1/21/2011 4:01  | 10.82  | 45.13  | 29.09        | 8.86    | 7.86 | 8.8        | 2.57   | 96.2 |
| 1306     | 1/21/2011 4:16  | 10.84  | 44.70  | 28.79        | 8.87    | 7.86 | 7.6        | 2.48   | 96.2 |
| 1307     | 1/21/2011 4:31  | 10.77  | 44.95  | 28.96        | 8.84    | 7.85 | 5.9        | 2.43   | 95.9 |
| 1308     | 1/21/2011 4:46  | 10.80  | 44.67  | 28.76        | 8.83    | 7.77 | 6.5        | 2.35   | 95.7 |
| 1309     | 1/21/2011 5:01  | 10.86  | 44.10  | 28.36        | 8.82    | 7.84 | 6.0        | 2.25   | 95.5 |
| 1310     | 1/21/2011 5:16  | 10.87  | 43.54  | 27.96        | 8.82    | 7.75 | 5.3        | 2.13   | 95.2 |
| 1311     | 1/21/2011 5:31  | 10.88  | 43.44  | 27.89        | 8.81    | 7.75 | 5.5        | 2.11   | 95.1 |
| 1312     | 1/21/2011 5:46  | 10.87  | 43.15  | 27.68        | 8.82    | 7.74 | 4.9        | 2.01   | 95.1 |
| 1313     | 1/21/2011 6:01  | 10.84  | 43.31  | 27.79        | 8.77    | 7.82 | 4.4        | 1.99   | 94.6 |
| 1314     | 1/21/2011 6:16  | 10.82  | 43.26  | 27.76        | 8.73    | 7.82 | 4.4        | 1.96   | 94.0 |
| 1315     | 1/21/2011 6:31  | 10.84  | 43.40  | 27.86        | 8.69    | 7.74 | 4.9        | 1.90   | 93.7 |
| 1316     | 1/21/2011 6:46  | 10.87  | 43.67  | 28.06        | 8.70    | 7.82 | 4.9        | 1.93   | 93.9 |
| 1317     | 1/21/2011 7:01  | 10.88  | 43.77  | 28.13        | 8.74    | 7.82 | 5.3        | 1.98   | 94.4 |
| 1318     | 1/21/2011 7:16  | 10.82  | 43.73  | 28.09        | 8.77    | 7.82 | 5.8        | 2.05   | 94.7 |
| 1319     | 1/21/2011 7:31  | 10.79  | 43.96  | 28.25        | 8.74    | 7.82 | 6.1        | 2.10   | 94.4 |
| 1320     | 1/21/2011 7:46  | 10.63  | 43.14  | 27.67        | 8.83    | 7.74 | 7.1        | 2.23   | 94.6 |
| 1321     | 1/21/2011 8:01  | 10.60  | 43.48  | 27.90        | 8.82    | 7.82 | 7.6        | 2.25   | 94.7 |
| 1322     | 1/21/2011 8:16  | 10.79  | 43.71  | 28.08        | 8.81    | 7.76 | 8.2        | 2.37   | 95.0 |
| 1323     | 1/21/2011 8:31  | 10.70  | 44.19  | 28.42        | 8.81    | 7.83 | 7.1        | 2.48   | 95.1 |
| 1324     | 1/21/2011 8:46  | 10.79  | 45.20  | 29.14        | 8.81    | 7.85 | 9.3        | 2.58   | 95.6 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1325     | 1/21/2011 9:01  | 10.80  | 45.41           | 29.29        | 8.84            | 7.78 | 8.2               | 2.65            | 96.1  |
| 1326     | 1/21/2011 9:16  | 10.81  | 45.75           | 29.54        | 8.83            | 7.86 | 9.2               | 2.75            | 96.1  |
| 1327     | 1/21/2011 9:31  | 10.77  | 45.95           | 29.67        | 8.84            | 7.79 | 10.3              | 2.88            | 96.2  |
| 1328     | 1/21/2011 9:46  | 10.68  | 46.30           | 29.92        | 8.85            | 7.87 | 12.2              | 3.01            | 96.3  |
| 1329     | 1/21/2011 10:01 | 10.60  | 46.28           | 29.90        | 8.87            | 7.80 | 12.3              | 3.09            | 96.3  |
| 1330     | 1/21/2011 10:16 | 10.56  | 46.91           | 30.35        | 8.86            | 7.88 | 12.0              | 3.14            | 96.4  |
| 1331     | 1/21/2011 10:31 | 10.51  | 46.92           | 30.36        | 8.87            | 7.81 | 11.5              | 3.24            | 96.4  |
| 1332     | 1/21/2011 10:46 | 10.49  | 47.46           | 30.74        | 8.83            | 7.81 | 11.0              | 3.35            | 96.3  |
| 1333     | 1/21/2011 11:01 | 10.39  | 48.25           | 31.31        | 8.80            | 7.89 | 12.5              | 3.46            | 96.1  |
| 1334     | 1/21/2011 11:16 | 10.35  | 48.53           | 31.50        | 8.84            | 7.90 | 12.0              | 3.56            | 96.5  |
| 1335     | 1/21/2011 11:31 | 10.31  | 48.73           | 31.64        | 8.92            | 7.91 | 11.0              | 3.64            | 97.4  |
| 1336     | 1/21/2011 11:46 | 10.29  | 48.63           | 31.57        | 8.90            | 7.83 | 9.2               | 3.73            | 97.1  |
| 1337     | 1/21/2011 12:01 | 10.30  | 49.02           | 31.85        | 8.83            | 7.83 | 6.8               | 3.79            | 96.5  |
| 1338     | 1/21/2011 12:16 | 10.29  | 48.84           | 31.72        | 8.78            | 7.82 | 5.9               | 3.81            | 95.9  |
| 1339     | 1/21/2011 12:31 | 10.31  | 48.87           | 31.74        | 8.81            | 7.82 | 5.9               | 3.81            | 96.3  |
| Mean     |                 | 9.93   | 44.40           | 28.52        | 9.06            | 7.85 | 8.1               | 2.57            | 96.2  |
| Minimum  |                 | 7.62   | 40.80           | 25.91        | 8.42            | 7.72 | 1.7               | 0.77            | 90.0  |
| Maximum  |                 | 11.91  | 49.02           | 31.85        | 9.84            | 8.04 | 57.1              | 3.95            | 104.8 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 0        | 1/21/2011 13:16 | 10.69  | 48.60  | 31.57        |         | 8.02 | 6.5               | 3.79            |     |
| 1        | 1/21/2011 13:31 | 10.83  | 48.34  | 31.39        |         | 8.04 | 5.4               | 3.68            |     |
| 2        | 1/21/2011 13:46 | 10.83  | 48.29  | 31.36        |         | 8.05 | 4.8               | 3.60            |     |
| 3        | 1/21/2011 14:01 | 10.91  | 47.95  | 31.12        |         | 8.06 | 5.5               | 3.46            |     |
| 4        | 1/21/2011 14:16 | 10.88  | 47.94  | 31.11        |         | 8.05 | 8.3               | 3.35            |     |
| 5        | 1/21/2011 14:31 | 11.01  | 47.54  | 30.83        |         | 8.05 | 8.9               | 3.20            |     |
| 6        | 1/21/2011 14:46 | 10.99  | 47.46  | 30.77        |         | 8.06 | 9.9               | 3.08            |     |
| 7        | 1/21/2011 15:01 | 11.10  | 47.04  | 30.47        |         | 8.06 | 11.4              | 2.94            |     |
| 8        | 1/21/2011 15:16 | 11.20  | 46.52  | 30.10        |         | 8.05 | 9.4               | 2.80            |     |
| 9        | 1/21/2011 15:31 | 11.18  | 46.68  | 30.22        |         | 8.09 | 11.0              | 2.67            |     |
| 10       | 1/21/2011 15:46 | 11.20  | 46.92  | 30.39        |         | 8.07 | 10.6              | 2.55            |     |
| 11       | 1/21/2011 16:01 | 11.29  | 46.05  | 29.77        |         | 8.08 | 11.1              | 2.38            |     |
| 12       | 1/21/2011 16:16 | 11.31  | 46.09  | 29.80        |         | 8.07 | 12.2              | 2.23            |     |
| 13       | 1/21/2011 16:31 | 11.38  | 44.81  | 28.89        |         | 8.08 | 15.0              | 2.06            |     |
| 14       | 1/21/2011 16:46 | 11.40  | 44.67  | 28.79        |         | 8.06 | 21.5              | 1.89            |     |
| 15       | 1/21/2011 17:01 | 11.41  | 44.38  | 28.58        |         | 8.08 | 27.0              | 1.75            |     |
| 16       | 1/21/2011 17:16 | 11.42  | 44.35  | 28.56        |         | 8.04 | 29.2              | 1.57            |     |
| 17       | 1/21/2011 17:31 | 11.45  | 44.21  | 28.47        |         | 8.04 | 29.0              | 1.39            |     |
| 18       | 1/21/2011 17:46 | 11.46  | 44.13  | 28.41        |         | 8.04 | 26.2              | 1.26            |     |
| 19       | 1/21/2011 18:01 | 11.45  | 43.84  | 28.20        |         | 8.04 | 25.4              | 1.12            |     |
| 20       | 1/21/2011 18:16 | 11.45  | 43.46  | 27.93        |         | 8.04 | 22.4              | 0.97            |     |
| 21       | 1/21/2011 18:31 | 11.42  | 43.28  | 27.80        |         | 8.04 | 19.7              | 0.89            |     |
| 22       | 1/21/2011 18:46 | 11.41  | 43.45  | 27.92        |         | 8.03 | 19.5              | 0.88            |     |
| 23       | 1/21/2011 19:01 | 11.42  | 43.43  | 27.90        |         | 8.03 | 13.4              | 0.87            |     |
| 24       | 1/21/2011 19:16 | 11.44  | 43.44  | 27.91        |         | 8.03 | 13.1              | 0.94            |     |
| 25       | 1/21/2011 19:31 | 11.41  | 43.62  | 28.04        |         | 8.02 | 14.5              | 1.06            |     |
| 26       | 1/21/2011 19:46 | 11.44  | 43.50  | 27.96        |         | 8.02 | 15.0              | 1.14            |     |
| 27       | 1/21/2011 20:01 | 11.46  | 43.54  | 27.99        |         | 8.03 | 14.4              | 1.24            |     |
| 28       | 1/21/2011 20:16 | 11.27  | 42.54  | 27.27        |         | 8.02 | 12.6              | 1.31            |     |
| 29       | 1/21/2011 20:31 | 11.32  | 42.68  | 27.37        |         | 8.01 | 12.1              | 1.40            |     |
| 30       | 1/21/2011 20:46 | 11.34  | 42.82  | 27.47        |         | 8.01 | 10.1              | 1.50            |     |
| 31       | 1/21/2011 21:01 | 11.38  | 43.27  | 27.79        |         | 8.02 | 10.7              | 1.62            |     |
| 32       | 1/21/2011 21:16 | 11.37  | 43.26  | 27.78        |         | 8.04 | 10.7              | 1.69            |     |
| 33       | 1/21/2011 21:31 | 11.26  | 42.68  | 27.37        |         | 8.01 | 11.3              | 1.78            |     |
| 34       | 1/21/2011 21:46 | 11.27  | 43.39  | 27.87        |         | 8.02 | 10.7              | 1.93            |     |
| 35       | 1/21/2011 22:01 | 11.28  | 44.31  | 28.53        |         | 8.03 | 11.5              | 2.05            |     |
| 36       | 1/21/2011 22:16 | 11.29  | 44.73  | 28.83        |         | 8.03 | 13.6              | 2.18            |     |
| 37       | 1/21/2011 22:31 | 11.26  | 44.51  | 28.67        |         | 8.04 | 16.7              | 2.30            |     |
| 38       | 1/21/2011 22:46 | 11.26  | 44.97  | 29.00        |         | 8.04 | 23.9              | 2.42            |     |
| 39       | 1/21/2011 23:01 | 11.20  | 45.54  | 29.40        |         | 8.06 | 24.9              | 2.55            |     |
| 40       | 1/21/2011 23:16 | 11.16  | 45.74  | 29.54        |         | 8.05 | 20.8              | 2.64            |     |
| 41       | 1/21/2011 23:31 | 11.08  | 46.04  | 29.75        |         | 8.04 | 22.3              | 2.75            |     |
| 42       | 1/21/2011 23:46 | 10.99  | 46.71  | 30.23        |         | 8.05 | 18.3              | 2.88            |     |
| 43       | 1/22/2011 0:01  | 10.85  | 47.43  | 30.74        |         | 8.07 | 16.8              | 2.95            |     |
| 44       | 1/22/2011 0:16  | 10.77  | 47.93  | 31.09        |         | 8.06 | 15.9              | 3.07            |     |
| 45       | 1/22/2011 0:31  | 10.65  | 48.39  | 31.42        |         | 8.06 | 17.0              | 3.19            |     |
| 46       | 1/22/2011 0:46  | 10.55  | 48.80  | 31.71        |         | 8.06 | 15.4              | 3.25            |     |
| 47       | 1/22/2011 1:01  | 10.50  | 48.95  | 31.81        |         | 8.05 | 13.9              | 3.33            |     |
| 48       | 1/22/2011 1:16  | 10.42  | 49.20  | 31.99        |         | 8.05 | 12.1              | 3.44            |     |
| 49       | 1/22/2011 1:31  | 10.38  | 49.35  | 32.09        |         | 8.05 | 8.6               | 3.48            |     |
| 50       | 1/22/2011 1:46  | 10.36  | 49.34  | 32.09        |         | 8.05 | 6.2               | 3.52            |     |
| 51       | 1/22/2011 2:01  | 10.34  | 49.42  | 32.14        |         | 8.05 | 5.2               | 3.54            |     |
| 52       | 1/22/2011 2:16  | 10.36  | 49.36  | 32.10        |         | 8.05 | 6.8               | 3.52            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 53       | 1/22/2011 2:31  | 10.36  | 49.37  | 32.11        |         | 8.05 | 8.1               | 3.47            |     |
| 54       | 1/22/2011 2:46  | 10.49  | 48.68  | 31.62        |         | 8.05 | 8.9               | 3.42            |     |
| 55       | 1/22/2011 3:01  | 10.70  | 47.55  | 30.81        |         | 8.05 | 7.7               | 3.35            |     |
| 56       | 1/22/2011 3:16  | 10.65  | 47.82  | 31.01        |         | 8.05 | 10.5              | 3.22            |     |
| 57       | 1/22/2011 3:31  | 10.68  | 47.62  | 30.87        |         | 8.05 | 13.2              | 3.13            |     |
| 58       | 1/22/2011 3:46  | 10.77  | 46.95  | 30.39        |         | 8.05 | 12.1              | 3.02            |     |
| 59       | 1/22/2011 4:01  | 10.82  | 46.51  | 30.08        |         | 8.04 | 7.9               | 2.91            |     |
| 60       | 1/22/2011 4:16  | 10.85  | 46.44  | 30.03        |         | 8.05 | 6.7               | 2.81            |     |
| 61       | 1/22/2011 4:31  | 10.86  | 46.41  | 30.00        |         | 8.04 | 6.0               | 2.73            |     |
| 62       | 1/22/2011 4:46  | 10.94  | 45.90  | 29.64        |         | 8.04 | 6.7               | 2.61            |     |
| 63       | 1/22/2011 5:01  | 10.96  | 45.62  | 29.45        |         | 8.04 | 6.2               | 2.48            |     |
| 64       | 1/22/2011 5:16  | 10.95  | 45.45  | 29.32        |         | 8.03 | 6.2               | 2.39            |     |
| 65       | 1/22/2011 5:31  | 10.97  | 45.27  | 29.20        |         | 8.03 | 5.9               | 2.28            |     |
| 66       | 1/22/2011 5:46  | 10.92  | 45.31  | 29.22        |         | 8.03 | 4.8               | 2.16            |     |
| 67       | 1/22/2011 6:01  | 11.00  | 44.64  | 28.75        |         | 8.02 | 5.6               | 2.09            |     |
| 68       | 1/22/2011 6:16  | 11.00  | 44.42  | 28.59        |         | 8.01 | 5.0               | 2.01            |     |
| 69       | 1/22/2011 6:31  | 11.02  | 44.07  | 28.35        |         | 8.00 | 4.5               | 1.93            |     |
| 70       | 1/22/2011 6:46  | 11.00  | 43.88  | 28.21        |         | 8.00 | 4.2               | 1.87            |     |
| 71       | 1/22/2011 7:01  | 10.99  | 43.89  | 28.21        |         | 8.00 | 4.5               | 1.84            |     |
| 72       | 1/22/2011 7:16  | 10.97  | 43.86  | 28.19        |         | 7.99 | 3.6               | 1.83            |     |
| 73       | 1/22/2011 7:31  | 11.03  | 44.28  | 28.49        |         | 8.00 | 4.4               | 1.81            |     |
| 74       | 1/22/2011 7:46  | 11.02  | 44.37  | 28.56        |         | 8.00 | 4.9               | 1.84            |     |
| 75       | 1/22/2011 8:01  | 11.00  | 44.40  | 28.58        |         | 8.00 | 5.2               | 1.91            |     |
| 76       | 1/22/2011 8:16  | 10.98  | 44.45  | 28.61        |         | 8.00 | 5.2               | 1.96            |     |
| 77       | 1/22/2011 8:31  | 10.88  | 43.85  | 28.18        |         | 7.99 | 6.0               | 2.05            |     |
| 78       | 1/22/2011 8:46  | 10.88  | 44.05  | 28.32        |         | 7.99 | 5.4               | 2.17            |     |
| 79       | 1/22/2011 9:01  | 10.96  | 44.43  | 28.60        |         | 8.00 | 6.3               | 2.27            |     |
| 80       | 1/22/2011 9:16  | 10.96  | 44.86  | 28.90        |         | 8.01 | 6.7               | 2.37            |     |
| 81       | 1/22/2011 9:31  | 10.92  | 45.64  | 29.46        |         | 8.02 | 6.8               | 2.44            |     |
| 82       | 1/22/2011 9:46  | 10.91  | 45.98  | 29.70        |         | 8.03 | 7.8               | 2.55            |     |
| 83       | 1/22/2011 10:01 | 10.92  | 46.24  | 29.89        |         | 8.03 | 6.7               | 2.64            |     |
| 84       | 1/22/2011 10:16 | 10.93  | 46.35  | 29.97        |         | 8.03 | 6.5               | 2.73            |     |
| 85       | 1/22/2011 10:31 | 10.90  | 46.54  | 30.10        |         | 8.03 | 7.8               | 2.81            |     |
| 86       | 1/22/2011 10:46 | 10.84  | 46.92  | 30.38        |         | 8.03 | 9.6               | 2.89            |     |
| 87       | 1/22/2011 11:01 | 10.78  | 47.19  | 30.56        |         | 8.03 | 11.2              | 2.99            |     |
| 88       | 1/22/2011 11:16 | 10.68  | 47.43  | 30.73        |         | 8.03 | 11.9              | 3.09            |     |
| 89       | 1/22/2011 11:31 | 10.68  | 47.62  | 30.87        |         | 8.03 | 10.1              | 3.18            |     |
| 90       | 1/22/2011 11:46 | 10.61  | 48.02  | 31.15        |         | 8.03 | 10.3              | 3.29            |     |
| 91       | 1/22/2011 12:01 | 10.45  | 48.60  | 31.56        |         | 8.03 | 13.6              | 3.36            |     |
| 92       | 1/22/2011 12:16 | 10.42  | 48.88  | 31.76        |         | 8.03 | 10.4              | 3.45            |     |
| 93       | 1/22/2011 12:31 | 10.42  | 49.05  | 31.88        |         | 8.03 | 9.0               | 3.53            |     |
| 94       | 1/22/2011 12:46 | 10.39  | 49.25  | 32.02        |         | 8.03 | 7.1               | 3.60            |     |
| 95       | 1/22/2011 13:01 | 10.37  | 49.31  | 32.07        |         | 8.03 | 6.0               | 3.64            |     |
| 96       | 1/22/2011 13:16 | 10.37  | 49.35  | 32.09        |         | 8.03 | 4.5               | 3.68            |     |
| 97       | 1/22/2011 13:31 | 10.41  | 49.22  | 32.00        |         | 8.04 | 4.8               | 3.67            |     |
| 98       | 1/22/2011 13:46 | 10.38  | 49.36  | 32.10        |         | 8.03 | 6.1               | 3.68            |     |
| 99       | 1/22/2011 14:01 | 10.38  | 49.34  | 32.09        |         | 8.03 | 6.2               | 3.61            |     |
| 100      | 1/22/2011 14:16 | 10.65  | 48.81  | 31.72        |         | 8.04 | 8.4               | 3.55            |     |
| 101      | 1/22/2011 14:31 | 10.88  | 48.23  | 31.32        |         | 8.05 | 5.4               | 3.44            |     |
| 102      | 1/22/2011 14:46 | 10.95  | 48.05  | 31.19        |         | 8.05 | 5.6               | 3.35            |     |
| 103      | 1/22/2011 15:01 | 10.99  | 47.84  | 31.04        |         | 8.05 | 4.6               | 3.22            |     |
| 104      | 1/22/2011 15:16 | 11.10  | 47.47  | 30.78        |         | 8.05 | 4.8               | 3.12            |     |
| 105      | 1/22/2011 15:31 | 11.13  | 47.41  | 30.74        |         | 8.05 | 4.3               | 2.99            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 106      | 1/22/2011 15:46 | 11.23  | 47.11  | 30.53        |         | 8.05 | 4.0               | 2.86            |     |
| 107      | 1/22/2011 16:01 | 11.25  | 47.05  | 30.48        |         | 8.05 | 6.2               | 2.75            |     |
| 108      | 1/22/2011 16:16 | 11.30  | 46.60  | 30.16        |         | 8.05 | 4.1               | 2.62            |     |
| 109      | 1/22/2011 16:31 | 11.35  | 46.21  | 29.89        |         | 8.05 | 4.4               | 2.46            |     |
| 110      | 1/22/2011 16:46 | 11.34  | 46.14  | 29.84        |         | 8.05 | 4.9               | 2.33            |     |
| 111      | 1/22/2011 17:01 | 11.32  | 46.15  | 29.84        |         | 8.05 | 5.6               | 2.21            |     |
| 112      | 1/22/2011 17:16 | 11.39  | 45.51  | 29.39        |         | 8.05 | 5.5               | 2.07            |     |
| 113      | 1/22/2011 17:31 | 11.36  | 45.47  | 29.36        |         | 8.05 | 5.9               | 1.92            |     |
| 114      | 1/22/2011 17:46 | 11.44  | 45.03  | 29.05        |         | 8.04 | 6.6               | 1.77            |     |
| 115      | 1/22/2011 18:01 | 11.47  | 44.78  | 28.87        |         | 8.04 | 7.1               | 1.61            |     |
| 116      | 1/22/2011 18:16 | 11.51  | 44.56  | 28.71        |         | 8.04 | 7.0               | 1.47            |     |
| 117      | 1/22/2011 18:31 | 11.52  | 44.37  | 28.58        |         | 8.03 | 7.5               | 1.36            |     |
| 118      | 1/22/2011 18:46 | 11.54  | 44.15  | 28.42        |         | 8.03 | 7.1               | 1.25            |     |
| 119      | 1/22/2011 19:01 | 11.52  | 44.02  | 28.33        |         | 8.03 | 7.1               | 1.11            |     |
| 120      | 1/22/2011 19:16 | 11.52  | 43.89  | 28.24        |         | 8.03 | 5.8               | 1.07            |     |
| 121      | 1/22/2011 19:31 | 11.47  | 43.97  | 28.29        |         | 8.02 | 5.9               | 1.03            |     |
| 122      | 1/22/2011 19:46 | 11.50  | 43.97  | 28.30        |         | 8.02 | 4.8               | 1.04            |     |
| 123      | 1/22/2011 20:01 | 11.50  | 44.05  | 28.35        |         | 8.03 | 4.3               | 1.11            |     |
| 124      | 1/22/2011 20:16 | 11.51  | 44.12  | 28.40        |         | 8.03 | 4.1               | 1.18            |     |
| 125      | 1/22/2011 20:31 | 11.49  | 44.18  | 28.45        |         | 8.03 | 4.2               | 1.29            |     |
| 126      | 1/22/2011 20:46 | 11.48  | 44.01  | 28.32        |         | 8.02 | 4.5               | 1.40            |     |
| 127      | 1/22/2011 21:01 | 11.38  | 42.78  | 27.44        |         | 8.01 | 4.2               | 1.45            |     |
| 128      | 1/22/2011 21:16 | 11.45  | 43.58  | 28.02        |         | 8.01 | 4.1               | 1.55            |     |
| 129      | 1/22/2011 21:31 | 11.49  | 44.05  | 28.35        |         | 8.02 | 4.2               | 1.64            |     |
| 130      | 1/22/2011 21:46 | 11.50  | 44.19  | 28.45        |         | 8.02 | 4.6               | 1.77            |     |
| 131      | 1/22/2011 22:01 | 11.45  | 44.53  | 28.69        |         | 8.02 | 5.6               | 1.87            |     |
| 132      | 1/22/2011 22:16 | 11.38  | 44.90  | 28.95        |         | 8.02 | 4.3               | 1.95            |     |
| 133      | 1/22/2011 22:31 | 11.35  | 45.13  | 29.11        |         | 8.02 | 5.2               | 2.06            |     |
| 134      | 1/22/2011 22:46 | 11.32  | 45.22  | 29.18        |         | 8.02 | 5.9               | 2.22            |     |
| 135      | 1/22/2011 23:01 | 11.28  | 45.32  | 29.25        |         | 8.02 | 6.9               | 2.34            |     |
| 136      | 1/22/2011 23:16 | 11.28  | 45.79  | 29.58        |         | 8.02 | 8.5               | 2.45            |     |
| 137      | 1/22/2011 23:31 | 11.21  | 45.98  | 29.71        |         | 8.02 | 8.3               | 2.55            |     |
| 138      | 1/22/2011 23:46 | 11.18  | 46.26  | 29.92        |         | 8.02 | 10.7              | 2.66            |     |
| 139      | 1/23/2011 0:01  | 11.08  | 46.56  | 30.12        |         | 8.02 | 13.3              | 2.76            |     |
| 140      | 1/23/2011 0:16  | 11.01  | 46.87  | 30.35        |         | 8.02 | 12.1              | 2.89            |     |
| 141      | 1/23/2011 0:31  | 10.78  | 47.85  | 31.04        |         | 8.02 | 15.4              | 2.98            |     |
| 142      | 1/23/2011 0:46  | 10.64  | 48.35  | 31.39        |         | 8.02 | 14.8              | 3.09            |     |
| 143      | 1/23/2011 1:01  | 10.48  | 48.79  | 31.70        |         | 8.01 | 14.9              | 3.21            |     |
| 144      | 1/23/2011 1:16  | 10.28  | 49.23  | 32.01        |         | 8.00 | 12.5              | 3.30            |     |
| 145      | 1/23/2011 1:31  | 10.15  | 49.55  | 32.23        |         | 8.00 | 9.6               | 3.39            |     |
| 146      | 1/23/2011 1:46  | 10.03  | 49.84  | 32.43        |         | 7.99 | 8.7               | 3.49            |     |
| 147      | 1/23/2011 2:01  | 9.96   | 50.00  | 32.54        |         | 7.99 | 7.2               | 3.55            |     |
| 148      | 1/23/2011 2:16  | 9.89   | 50.16  | 32.65        |         | 7.99 | 4.6               | 3.61            |     |
| 149      | 1/23/2011 2:31  | 9.86   | 50.23  | 32.70        |         | 7.98 | 3.8               | 3.65            |     |
| 150      | 1/23/2011 2:46  | 9.98   | 49.78  | 32.38        |         | 7.99 | 5.4               | 3.66            |     |
| 151      | 1/23/2011 3:01  | 9.85   | 50.25  | 32.71        |         | 7.98 | 5.6               | 3.63            |     |
| 152      | 1/23/2011 3:16  | 10.07  | 49.29  | 32.03        |         | 8.00 | 8.1               | 3.58            |     |
| 153      | 1/23/2011 3:31  | 10.30  | 48.32  | 31.35        |         | 8.01 | 6.3               | 3.49            |     |
| 154      | 1/23/2011 3:46  | 10.35  | 48.17  | 31.24        |         | 8.01 | 5.4               | 3.40            |     |
| 155      | 1/23/2011 4:01  | 10.28  | 48.54  | 31.50        |         | 8.00 | 8.5               | 3.30            |     |
| 156      | 1/23/2011 4:16  | 10.49  | 47.65  | 30.88        |         | 8.01 | 8.2               | 3.19            |     |
| 157      | 1/23/2011 4:31  | 10.54  | 47.57  | 30.82        |         | 8.01 | 8.5               | 3.09            |     |
| 158      | 1/23/2011 4:46  | 10.62  | 46.71  | 30.21        |         | 8.01 | 7.0               | 2.97            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 159      | 1/23/2011 5:01  | 10.65  | 46.71  | 30.21        |         | 8.02 | 5.8               | 2.85            |     |
| 160      | 1/23/2011 5:16  | 10.65  | 46.34  | 29.95        |         | 8.01 | 5.5               | 2.75            |     |
| 161      | 1/23/2011 5:31  | 10.69  | 46.55  | 30.10        |         | 8.01 | 5.1               | 2.63            |     |
| 162      | 1/23/2011 5:46  | 10.74  | 46.25  | 29.88        |         | 8.01 | 4.4               | 2.51            |     |
| 163      | 1/23/2011 6:01  | 10.71  | 46.00  | 29.70        |         | 8.01 | 4.1               | 2.42            |     |
| 164      | 1/23/2011 6:16  | 10.60  | 46.03  | 29.72        |         | 8.00 | 4.0               | 2.31            |     |
| 165      | 1/23/2011 6:31  | 10.59  | 45.81  | 29.56        |         | 8.00 | 3.6               | 2.20            |     |
| 166      | 1/23/2011 6:46  | 10.71  | 45.20  | 29.13        |         | 8.00 | 4.1               | 2.12            |     |
| 167      | 1/23/2011 7:01  | 10.79  | 44.79  | 28.84        |         | 8.00 | 3.5               | 2.00            |     |
| 168      | 1/23/2011 7:16  | 10.76  | 44.70  | 28.78        |         | 7.99 | 3.1               | 1.90            |     |
| 169      | 1/23/2011 7:31  | 10.76  | 44.57  | 28.69        |         | 7.99 | 3.2               | 1.86            |     |
| 170      | 1/23/2011 7:46  | 10.75  | 44.51  | 28.64        |         | 7.99 | 2.9               | 1.80            |     |
| 171      | 1/23/2011 8:01  | 10.72  | 44.48  | 28.62        |         | 7.99 | 2.8               | 1.77            |     |
| 172      | 1/23/2011 8:16  | 10.68  | 44.46  | 28.61        |         | 7.99 | 2.2               | 1.72            |     |
| 173      | 1/23/2011 8:31  | 10.70  | 44.58  | 28.69        |         | 7.99 | 2.4               | 1.76            |     |
| 174      | 1/23/2011 8:46  | 10.72  | 44.64  | 28.74        |         | 7.99 | 3.2               | 1.78            |     |
| 175      | 1/23/2011 9:01  | 10.76  | 44.74  | 28.81        |         | 7.99 | 2.9               | 1.84            |     |
| 176      | 1/23/2011 9:16  | 10.82  | 44.81  | 28.86        |         | 7.99 | 3.1               | 1.91            |     |
| 177      | 1/23/2011 9:31  | 10.64  | 44.37  | 28.54        |         | 7.99 | 4.0               | 2.01            |     |
| 178      | 1/23/2011 9:46  | 10.63  | 44.42  | 28.57        |         | 7.98 | 3.6               | 2.10            |     |
| 179      | 1/23/2011 10:01 | 10.70  | 44.79  | 28.84        |         | 7.99 | 4.3               | 2.19            |     |
| 180      | 1/23/2011 10:16 | 10.76  | 45.27  | 29.19        |         | 7.99 | 4.6               | 2.30            |     |
| 181      | 1/23/2011 10:31 | 10.75  | 45.71  | 29.50        |         | 8.00 | 4.0               | 2.39            |     |
| 182      | 1/23/2011 10:46 | 10.75  | 46.11  | 29.79        |         | 8.00 | 4.6               | 2.46            |     |
| 183      | 1/23/2011 11:01 | 10.79  | 46.40  | 30.00        |         | 8.00 | 4.5               | 2.54            |     |
| 184      | 1/23/2011 11:16 | 10.79  | 46.51  | 30.07        |         | 8.00 | 4.5               | 2.63            |     |
| 185      | 1/23/2011 11:31 | 10.81  | 46.54  | 30.10        |         | 8.01 | 4.0               | 2.71            |     |
| 186      | 1/23/2011 11:46 | 10.79  | 46.75  | 30.25        |         | 8.00 | 4.9               | 2.79            |     |
| 187      | 1/23/2011 12:01 | 10.70  | 47.13  | 30.52        |         | 8.00 | 5.6               | 2.88            |     |
| 188      | 1/23/2011 12:16 | 10.64  | 47.29  | 30.62        |         | 8.00 | 7.0               | 2.96            |     |
| 189      | 1/23/2011 12:31 | 10.54  | 47.53  | 30.79        |         | 8.00 | 8.2               | 3.04            |     |
| 190      | 1/23/2011 12:46 | 10.58  | 47.65  | 30.88        |         | 8.00 | 6.0               | 3.11            |     |
| 191      | 1/23/2011 13:01 | 10.50  | 47.93  | 31.08        |         | 8.00 | 5.6               | 3.20            |     |
| 192      | 1/23/2011 13:16 | 10.33  | 48.46  | 31.45        |         | 7.99 | 7.3               | 3.29            |     |
| 193      | 1/23/2011 13:31 | 10.25  | 48.75  | 31.65        |         | 7.99 | 6.7               | 3.34            |     |
| 194      | 1/23/2011 13:46 | 10.21  | 48.91  | 31.77        |         | 7.99 | 5.1               | 3.41            |     |
| 195      | 1/23/2011 14:01 | 10.18  | 49.13  | 31.93        |         | 7.99 | 4.3               | 3.44            |     |
| 196      | 1/23/2011 14:16 | 10.18  | 49.14  | 31.93        |         | 7.99 | 2.3               | 3.45            |     |
| 197      | 1/23/2011 14:31 | 10.20  | 49.06  | 31.87        |         | 7.99 | 4.3               | 3.47            |     |
| 198      | 1/23/2011 14:46 | 10.18  | 49.19  | 31.97        |         | 7.99 | 4.6               | 3.44            |     |
| 199      | 1/23/2011 15:01 | 10.53  | 48.23  | 31.29        |         | 8.01 | 4.8               | 3.39            |     |
| 200      | 1/23/2011 15:16 | 10.64  | 48.03  | 31.16        |         | 8.01 | 4.8               | 3.32            |     |
| 201      | 1/23/2011 15:31 | 10.80  | 47.60  | 30.86        |         | 8.02 | 4.1               | 3.24            |     |
| 202      | 1/23/2011 15:46 | 10.81  | 47.50  | 30.79        |         | 8.02 | 3.7               | 3.14            |     |
| 203      | 1/23/2011 16:01 | 10.90  | 47.23  | 30.60        |         | 8.03 | 3.7               | 3.04            |     |
| 204      | 1/23/2011 16:16 | 10.98  | 47.03  | 30.46        |         | 8.03 | 3.9               | 2.94            |     |
| 205      | 1/23/2011 16:31 | 10.94  | 47.03  | 30.46        |         | 8.02 | 3.2               | 2.82            |     |
| 206      | 1/23/2011 16:46 | 11.05  | 46.68  | 30.21        |         | 8.02 | 4.8               | 2.70            |     |
| 207      | 1/23/2011 17:01 | 11.06  | 46.47  | 30.06        |         | 8.02 | 4.0               | 2.60            |     |
| 208      | 1/23/2011 17:16 | 10.99  | 46.54  | 30.11        |         | 8.02 | 3.8               | 2.47            |     |
| 209      | 1/23/2011 17:31 | 11.01  | 46.36  | 29.98        |         | 8.02 | 3.4               | 2.35            |     |
| 210      | 1/23/2011 17:46 | 11.07  | 45.95  | 29.69        |         | 8.02 | 3.7               | 2.23            |     |
| 211      | 1/23/2011 18:01 | 11.05  | 45.97  | 29.70        |         | 8.03 | 3.6               | 2.11            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 212      | 1/23/2011 18:16 | 11.16  | 45.53  | 29.39        |         | 8.03 | 3.9               | 1.97            |     |
| 213      | 1/23/2011 18:31 | 11.18  | 45.41  | 29.31        |         | 8.03 | 3.7               | 1.84            |     |
| 214      | 1/23/2011 18:46 | 11.25  | 45.15  | 29.13        |         | 8.04 | 3.7               | 1.72            |     |
| 215      | 1/23/2011 19:01 | 11.27  | 45.03  | 29.04        |         | 8.04 | 4.0               | 1.61            |     |
| 216      | 1/23/2011 19:16 | 11.31  | 44.81  | 28.89        |         | 8.04 | 3.6               | 1.50            |     |
| 217      | 1/23/2011 19:31 | 11.30  | 44.71  | 28.81        |         | 8.04 | 3.5               | 1.40            |     |
| 218      | 1/23/2011 19:46 | 11.32  | 44.57  | 28.71        |         | 8.04 | 3.2               | 1.36            |     |
| 219      | 1/23/2011 20:01 | 11.30  | 44.51  | 28.67        |         | 8.04 | 3.7               | 1.30            |     |
| 220      | 1/23/2011 20:16 | 11.31  | 44.49  | 28.65        |         | 8.04 | 2.3               | 1.28            |     |
| 221      | 1/23/2011 20:31 | 11.30  | 44.55  | 28.70        |         | 8.04 | 2.9               | 1.33            |     |
| 222      | 1/23/2011 20:46 | 11.31  | 44.63  | 28.76        |         | 8.04 | 2.3               | 1.35            |     |
| 223      | 1/23/2011 21:01 | 11.31  | 44.70  | 28.81        |         | 8.04 | 2.4               | 1.42            |     |
| 224      | 1/23/2011 21:16 | 11.30  | 44.77  | 28.85        |         | 8.03 | 2.6               | 1.50            |     |
| 225      | 1/23/2011 21:31 | 11.28  | 44.53  | 28.68        |         | 8.03 | 3.2               | 1.60            |     |
| 226      | 1/23/2011 21:46 | 11.26  | 44.33  | 28.54        |         | 8.03 | 3.1               | 1.70            |     |
| 227      | 1/23/2011 22:01 | 11.26  | 44.39  | 28.59        |         | 8.02 | 3.0               | 1.77            |     |
| 228      | 1/23/2011 22:16 | 11.27  | 44.62  | 28.75        |         | 8.02 | 2.9               | 1.88            |     |
| 229      | 1/23/2011 22:31 | 11.27  | 44.79  | 28.87        |         | 8.02 | 2.9               | 1.99            |     |
| 230      | 1/23/2011 22:46 | 11.20  | 45.19  | 29.15        |         | 8.02 | 3.1               | 2.08            |     |
| 231      | 1/23/2011 23:01 | 11.12  | 45.46  | 29.34        |         | 8.01 | 3.5               | 2.20            |     |
| 232      | 1/23/2011 23:16 | 11.08  | 45.69  | 29.50        |         | 8.01 | 4.0               | 2.31            |     |
| 233      | 1/23/2011 23:31 | 11.04  | 46.03  | 29.75        |         | 8.01 | 4.6               | 2.42            |     |
| 234      | 1/23/2011 23:46 | 11.03  | 46.18  | 29.85        |         | 8.01 | 5.0               | 2.52            |     |
| 235      | 1/24/2011 0:01  | 10.99  | 46.43  | 30.03        |         | 8.01 | 6.0               | 2.63            |     |
| 236      | 1/24/2011 0:16  | 10.93  | 46.60  | 30.15        |         | 8.00 | 6.5               | 2.73            |     |
| 237      | 1/24/2011 0:31  | 10.83  | 46.85  | 30.32        |         | 8.00 | 9.9               | 2.83            |     |
| 238      | 1/24/2011 0:46  | 10.72  | 47.20  | 30.56        |         | 7.99 | 8.4               | 2.94            |     |
| 239      | 1/24/2011 1:01  | 10.62  | 47.58  | 30.83        |         | 7.99 | 11.4              | 3.04            |     |
| 240      | 1/24/2011 1:16  | 10.33  | 48.59  | 31.54        |         | 7.98 | 10.4              | 3.15            |     |
| 241      | 1/24/2011 1:31  | 10.19  | 49.04  | 31.86        |         | 7.97 | 11.4              | 3.26            |     |
| 242      | 1/24/2011 1:46  | 10.13  | 49.26  | 32.01        |         | 7.97 | 10.3              | 3.36            |     |
| 243      | 1/24/2011 2:01  | 10.09  | 49.32  | 32.05        |         | 7.97 | 8.5               | 3.46            |     |
| 244      | 1/24/2011 2:16  | 10.06  | 49.43  | 32.13        |         | 7.97 | 7.3               | 3.55            |     |
| 245      | 1/24/2011 2:31  | 10.03  | 49.54  | 32.21        |         | 7.97 | 6.6               | 3.62            |     |
| 246      | 1/24/2011 2:46  | 9.97   | 49.61  | 32.26        |         | 7.97 | 4.8               | 3.69            |     |
| 247      | 1/24/2011 3:01  | 9.96   | 49.63  | 32.27        |         | 7.98 | 3.5               | 3.72            |     |
| 248      | 1/24/2011 3:16  | 9.94   | 49.67  | 32.30        |         | 7.97 | 2.3               | 3.75            |     |
| 249      | 1/24/2011 3:31  | 10.05  | 49.43  | 32.13        |         | 7.97 | 3.7               | 3.74            |     |
| 250      | 1/24/2011 3:46  | 9.98   | 49.58  | 32.24        |         | 7.98 | 5.1               | 3.71            |     |
| 251      | 1/24/2011 4:01  | 10.11  | 48.46  | 31.44        |         | 7.98 | 6.6               | 3.66            |     |
| 252      | 1/24/2011 4:16  | 10.17  | 48.33  | 31.35        |         | 7.98 | 4.1               | 3.58            |     |
| 253      | 1/24/2011 4:31  | 10.18  | 48.42  | 31.41        |         | 7.98 | 4.0               | 3.47            |     |
| 254      | 1/24/2011 4:46  | 10.20  | 48.24  | 31.28        |         | 7.98 | 4.7               | 3.38            |     |
| 255      | 1/24/2011 5:01  | 10.30  | 48.06  | 31.16        |         | 7.98 | 4.5               | 3.29            |     |
| 256      | 1/24/2011 5:16  | 10.34  | 47.92  | 31.06        |         | 7.99 | 6.3               | 3.15            |     |
| 257      | 1/24/2011 5:31  | 10.41  | 47.31  | 30.63        |         | 7.99 | 4.8               | 3.05            |     |
| 258      | 1/24/2011 5:46  | 10.47  | 47.13  | 30.50        |         | 7.99 | 4.4               | 2.93            |     |
| 259      | 1/24/2011 6:01  | 10.42  | 47.10  | 30.48        |         | 7.99 | 3.3               | 2.81            |     |
| 260      | 1/24/2011 6:16  | 10.43  | 47.12  | 30.49        |         | 7.99 | 3.2               | 2.72            |     |
| 261      | 1/24/2011 6:31  | 10.56  | 46.52  | 30.07        |         | 7.99 | 3.6               | 2.61            |     |
| 262      | 1/24/2011 6:46  | 10.53  | 46.43  | 30.00        |         | 7.99 | 2.9               | 2.49            |     |
| 263      | 1/24/2011 7:01  | 10.58  | 46.08  | 29.76        |         | 7.99 | 3.0               | 2.38            |     |
| 264      | 1/24/2011 7:16  | 10.55  | 46.08  | 29.76        |         | 7.99 | 3.4               | 2.28            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 265      | 1/24/2011 7:31  | 10.58  | 45.94  | 29.65        |         | 7.99 | 3.5               | 2.15            |     |
| 266      | 1/24/2011 7:46  | 10.54  | 45.92  | 29.64        |         | 7.98 | 3.5               | 2.06            |     |
| 267      | 1/24/2011 8:01  | 10.65  | 45.50  | 29.35        |         | 7.99 | 3.1               | 1.93            |     |
| 268      | 1/24/2011 8:16  | 10.66  | 45.28  | 29.19        |         | 7.99 | 2.6               | 1.86            |     |
| 269      | 1/24/2011 8:31  | 10.70  | 45.23  | 29.16        |         | 7.99 | 2.3               | 1.80            |     |
| 270      | 1/24/2011 8:46  | 10.71  | 45.15  | 29.10        |         | 7.99 | 1.9               | 1.72            |     |
| 271      | 1/24/2011 9:01  | 10.72  | 45.11  | 29.07        |         | 7.99 | 1.9               | 1.70            |     |
| 272      | 1/24/2011 9:16  | 10.72  | 45.10  | 29.06        |         | 7.99 | 1.9               | 1.71            |     |
| 273      | 1/24/2011 9:31  | 10.70  | 45.23  | 29.16        |         | 7.99 | 2.0               | 1.72            |     |
| 274      | 1/24/2011 9:46  | 10.71  | 45.25  | 29.17        |         | 7.99 | 2.2               | 1.75            |     |
| 275      | 1/24/2011 10:01 | 10.77  | 45.33  | 29.23        |         | 7.99 | 2.5               | 1.82            |     |
| 276      | 1/24/2011 10:16 | 10.78  | 45.41  | 29.29        |         | 7.99 | 2.4               | 1.90            |     |
| 277      | 1/24/2011 10:31 | 10.74  | 45.08  | 29.05        |         | 7.98 | 2.3               | 1.98            |     |
| 278      | 1/24/2011 10:46 | 10.70  | 45.08  | 29.05        |         | 7.98 | 2.4               | 2.08            |     |
| 279      | 1/24/2011 11:01 | 10.71  | 45.35  | 29.24        |         | 7.98 | 3.1               | 2.15            |     |
| 280      | 1/24/2011 11:16 | 10.69  | 45.70  | 29.49        |         | 7.98 | 2.9               | 2.23            |     |
| 281      | 1/24/2011 11:31 | 10.66  | 46.06  | 29.74        |         | 7.98 | 3.0               | 2.32            |     |
| 282      | 1/24/2011 11:46 | 10.66  | 46.26  | 29.89        |         | 7.98 | 2.4               | 2.39            |     |
| 283      | 1/24/2011 12:01 | 10.61  | 46.72  | 30.22        |         | 7.98 | 3.1               | 2.47            |     |
| 284      | 1/24/2011 12:16 | 10.65  | 46.78  | 30.26        |         | 7.98 | 3.2               | 2.53            |     |
| 285      | 1/24/2011 12:31 | 10.71  | 46.90  | 30.35        |         | 7.99 | 2.4               | 2.61            |     |
| 286      | 1/24/2011 12:46 | 10.68  | 46.97  | 30.40        |         | 7.99 | 2.5               | 2.68            |     |
| 287      | 1/24/2011 13:01 | 10.68  | 47.04  | 30.45        |         | 7.99 | 2.6               | 2.75            |     |
| 288      | 1/24/2011 13:16 | 10.68  | 47.17  | 30.55        |         | 7.99 | 2.6               | 2.83            |     |
| 289      | 1/24/2011 13:31 | 10.59  | 47.34  | 30.66        |         | 7.98 | 3.2               | 2.90            |     |
| 290      | 1/24/2011 13:46 | 10.54  | 47.50  | 30.78        |         | 7.98 | 3.5               | 2.98            |     |
| 291      | 1/24/2011 14:01 | 10.52  | 47.65  | 30.88        |         | 7.98 | 4.4               | 3.04            |     |
| 292      | 1/24/2011 14:16 | 10.49  | 47.84  | 31.02        |         | 7.98 | 4.0               | 3.10            |     |
| 293      | 1/24/2011 14:31 | 10.47  | 47.98  | 31.11        |         | 7.98 | 3.9               | 3.17            |     |
| 294      | 1/24/2011 14:46 | 10.47  | 48.06  | 31.17        |         | 7.98 | 3.4               | 3.22            |     |
| 295      | 1/24/2011 15:01 | 10.43  | 48.19  | 31.26        |         | 7.98 | 2.7               | 3.25            |     |
| 296      | 1/24/2011 15:16 | 10.30  | 48.51  | 31.48        |         | 7.98 | 1.7               | 3.27            |     |
| 297      | 1/24/2011 15:31 | 10.36  | 48.36  | 31.38        |         | 7.98 | 2.9               | 3.26            |     |
| 298      | 1/24/2011 15:46 | 10.32  | 48.46  | 31.45        |         | 7.98 | 3.0               | 3.24            |     |
| 299      | 1/24/2011 16:01 | 10.38  | 48.29  | 31.33        |         | 7.98 | 3.8               | 3.20            |     |
| 300      | 1/24/2011 16:16 | 10.96  | 47.32  | 30.66        |         | 8.02 | 3.8               | 3.13            |     |
| 301      | 1/24/2011 16:31 | 10.97  | 47.20  | 30.58        |         | 8.01 | 3.5               | 3.07            |     |
| 302      | 1/24/2011 16:46 | 10.80  | 47.28  | 30.63        |         | 8.00 | 2.6               | 2.99            |     |
| 303      | 1/24/2011 17:01 | 10.78  | 47.28  | 30.62        |         | 8.00 | 2.4               | 2.90            |     |
| 304      | 1/24/2011 17:16 | 10.75  | 47.22  | 30.58        |         | 8.00 | 2.4               | 2.79            |     |
| 305      | 1/24/2011 17:31 | 10.80  | 47.03  | 30.45        |         | 8.00 | 2.1               | 2.70            |     |
| 306      | 1/24/2011 17:46 | 10.80  | 46.91  | 30.37        |         | 8.00 | 2.1               | 2.62            |     |
| 307      | 1/24/2011 18:01 | 10.80  | 46.84  | 30.31        |         | 8.00 | 4.6               | 2.50            |     |
| 308      | 1/24/2011 18:16 | 10.88  | 46.44  | 30.03        |         | 8.00 | 3.5               | 2.40            |     |
| 309      | 1/24/2011 18:31 | 10.93  | 46.12  | 29.80        |         | 8.01 | 2.2               | 2.29            |     |
| 310      | 1/24/2011 18:46 | 10.88  | 46.15  | 29.82        |         | 8.00 | 2.2               | 2.20            |     |
| 311      | 1/24/2011 19:01 | 10.92  | 46.01  | 29.73        |         | 8.01 | 2.3               | 2.12            |     |
| 312      | 1/24/2011 19:16 | 10.96  | 45.90  | 29.65        |         | 8.02 | 2.0               | 1.99            |     |
| 313      | 1/24/2011 19:31 | 11.03  | 45.70  | 29.50        |         | 8.02 | 2.3               | 1.90            |     |
| 314      | 1/24/2011 19:46 | 11.09  | 45.53  | 29.39        |         | 8.03 | 2.4               | 1.82            |     |
| 315      | 1/24/2011 20:01 | 11.11  | 45.43  | 29.32        |         | 8.03 | 2.2               | 1.73            |     |
| 316      | 1/24/2011 20:16 | 11.13  | 45.36  | 29.27        |         | 8.04 | 2.0               | 1.67            |     |
| 317      | 1/24/2011 20:31 | 11.17  | 45.24  | 29.18        |         | 8.04 | 1.6               | 1.62            |     |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 318      | 1/24/2011 20:46 | 11.18  | 45.19  | 29.15        |         | 8.04 | 1.0               | 1.59            |     |
| 319      | 1/24/2011 21:01 | 11.14  | 45.25  | 29.19        |         | 8.04 | 1.4               | 1.60            |     |
| 320      | 1/24/2011 21:16 | 11.12  | 45.29  | 29.22        |         | 8.04 | 1.3               | 1.59            |     |
| 321      | 1/24/2011 21:31 | 11.13  | 45.33  | 29.25        |         | 8.03 | 1.1               | 1.64            |     |
| 322      | 1/24/2011 21:46 | 11.11  | 45.37  | 29.27        |         | 8.03 | 1.3               | 1.71            |     |
| 323      | 1/24/2011 22:01 | 11.08  | 45.40  | 29.30        |         | 8.03 | 1.6               | 1.78            |     |
| 324      | 1/24/2011 22:16 | 11.08  | 45.19  | 29.15        |         | 8.03 | 2.0               | 1.85            |     |
| 325      | 1/24/2011 22:31 | 11.08  | 45.22  | 29.17        |         | 8.02 | 1.8               | 1.95            |     |
| 326      | 1/24/2011 22:46 | 11.07  | 45.21  | 29.16        |         | 8.02 | 2.1               | 2.03            |     |
| 327      | 1/24/2011 23:01 | 11.06  | 45.42  | 29.31        |         | 8.01 | 2.1               | 2.12            |     |
| 328      | 1/24/2011 23:16 | 11.00  | 45.80  | 29.58        |         | 8.01 | 2.3               | 2.22            |     |
| 329      | 1/24/2011 23:31 | 10.93  | 46.09  | 29.78        |         | 8.00 | 2.1               | 2.28            |     |
| 330      | 1/24/2011 23:46 | 10.90  | 46.11  | 29.79        |         | 8.00 | 2.3               | 2.39            |     |
| 331      | 1/25/2011 0:01  | 10.82  | 46.55  | 30.11        |         | 7.99 | 3.7               | 2.49            |     |
| 332      | 1/25/2011 0:16  | 10.78  | 46.80  | 30.28        |         | 7.99 | 3.1               | 2.56            |     |
| 333      | 1/25/2011 0:31  | 10.76  | 46.88  | 30.34        |         | 7.99 | 3.2               | 2.66            |     |
| 334      | 1/25/2011 0:46  | 10.73  | 47.03  | 30.45        |         | 7.99 | 3.8               | 2.76            |     |
| 335      | 1/25/2011 1:01  | 10.68  | 47.24  | 30.59        |         | 7.99 | 5.6               | 2.85            |     |
| 336      | 1/25/2011 1:16  | 10.58  | 47.41  | 30.71        |         | 7.98 | 7.6               | 2.95            |     |
| 337      | 1/25/2011 1:31  | 10.47  | 47.72  | 30.93        |         | 7.98 | 6.6               | 3.04            |     |
| 338      | 1/25/2011 1:46  | 10.39  | 48.02  | 31.14        |         | 7.98 | 6.4               | 3.16            |     |
| 339      | 1/25/2011 2:01  | 10.27  | 48.53  | 31.49        |         | 7.97 | 8.9               | 3.25            |     |
| 340      | 1/25/2011 2:16  | 10.15  | 48.95  | 31.79        |         | 7.98 | 10.0              | 3.35            |     |
| 341      | 1/25/2011 2:31  | 10.08  | 49.15  | 31.93        |         | 7.98 | 7.6               | 3.47            |     |
| 342      | 1/25/2011 2:46  | 10.05  | 49.30  | 32.04        |         | 7.98 | 7.0               | 3.54            |     |
| 343      | 1/25/2011 3:01  | 10.04  | 49.37  | 32.09        |         | 7.97 | 5.9               | 3.61            |     |
| 344      | 1/25/2011 3:16  | 10.01  | 49.46  | 32.15        |         | 7.97 | 4.7               | 3.68            |     |
| 345      | 1/25/2011 3:31  | 9.98   | 49.52  | 32.20        |         | 7.99 | 3.2               | 3.73            |     |
| 346      | 1/25/2011 3:46  | 9.96   | 49.65  | 32.28        |         | 7.97 | 2.3               | 3.74            |     |
| 347      | 1/25/2011 4:01  | 10.02  | 49.38  | 32.10        |         | 7.98 | 3.8               | 3.76            |     |
| 348      | 1/25/2011 4:16  | 9.97   | 49.59  | 32.24        |         | 7.98 | 3.8               | 3.76            |     |
| 349      | 1/25/2011 4:31  | 9.96   | 49.62  | 32.26        |         | 7.98 | 4.0               | 3.70            |     |
| 350      | 1/25/2011 4:46  | 10.17  | 48.28  | 31.31        |         | 7.98 | 3.4               | 3.63            |     |
| 351      | 1/25/2011 5:01  | 10.17  | 48.39  | 31.39        |         | 7.98 | 3.1               | 3.58            |     |
| 352      | 1/25/2011 5:16  | 10.21  | 48.24  | 31.28        |         | 7.98 | 3.4               | 3.49            |     |
| 353      | 1/25/2011 5:31  | 10.25  | 47.97  | 31.09        |         | 7.98 | 3.5               | 3.38            |     |
| 354      | 1/25/2011 5:46  | 10.32  | 47.64  | 30.86        |         | 7.98 | 4.3               | 3.29            |     |
| 355      | 1/25/2011 6:01  | 10.26  | 48.03  | 31.14        |         | 7.98 | 2.9               | 3.18            |     |
| 356      | 1/25/2011 6:16  | 10.34  | 47.49  | 30.75        |         | 7.98 | 2.9               | 3.07            |     |
| 357      | 1/25/2011 6:31  | 10.38  | 47.25  | 30.58        |         | 7.98 | 3.7               | 2.95            |     |
| 358      | 1/25/2011 6:46  | 10.38  | 47.28  | 30.61        |         | 7.99 | 3.1               | 2.86            |     |
| 359      | 1/25/2011 7:01  | 10.46  | 47.04  | 30.44        |         | 7.99 | 3.5               | 2.74            |     |
| 360      | 1/25/2011 7:16  | 10.37  | 47.35  | 30.65        |         | 7.99 | 3.8               | 2.60            |     |
| 361      | 1/25/2011 7:31  | 10.47  | 46.76  | 30.24        |         | 7.99 | 3.2               | 2.50            |     |
| 362      | 1/25/2011 7:46  | 10.43  | 46.83  | 30.29        |         | 7.99 | 2.6               | 2.40            |     |
| 363      | 1/25/2011 8:01  | 10.46  | 46.68  | 30.18        |         | 7.97 | 2.4               | 2.28            |     |
| 364      | 1/25/2011 8:16  | 10.57  | 46.26  | 29.88        |         | 8.00 | 2.9               | 2.17            |     |
| 365      | 1/25/2011 8:31  | 10.55  | 46.22  | 29.86        |         | 8.00 | 2.4               | 2.06            |     |
| 366      | 1/25/2011 8:46  | 10.58  | 46.02  | 29.71        |         | 7.98 | 2.4               | 1.96            |     |
| 367      | 1/25/2011 9:01  | 10.55  | 46.04  | 29.73        |         | 8.00 | 2.4               | 1.85            |     |
| 368      | 1/25/2011 9:16  | 10.60  | 45.91  | 29.64        |         | 8.00 | 2.5               | 1.77            |     |
| 369      | 1/25/2011 9:31  | 10.62  | 45.82  | 29.57        |         | 7.98 | 2.0               | 1.70            |     |
| 370      | 1/25/2011 9:46  | 10.65  | 45.73  | 29.51        |         | 8.01 | 1.3               | 1.65            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------------|-----|
|          |                 |        | mS/cm  |              | mg/L    |      | NTU        |              |     |
| 371      | 1/25/2011 10:01 | 10.69  | 45.68  | 29.47        |         | 8.01 | 1.3        | 1.61         |     |
| 372      | 1/25/2011 10:16 | 10.74  | 45.63  | 29.44        |         | 7.99 | 0.9        | 1.61         |     |
| 373      | 1/25/2011 10:31 | 10.71  | 45.73  | 29.51        |         | 7.98 | 1.0        | 1.62         |     |
| 374      | 1/25/2011 10:46 | 10.71  | 45.77  | 29.54        |         | 8.01 | 1.1        | 1.65         |     |
| 375      | 1/25/2011 11:01 | 10.74  | 45.81  | 29.57        |         | 7.98 | 1.2        | 1.70         |     |
| 376      | 1/25/2011 11:16 | 10.74  | 45.85  | 29.60        |         | 7.98 | 1.2        | 1.77         |     |
| 377      | 1/25/2011 11:31 | 10.71  | 45.58  | 29.40        |         | 7.97 | 1.4        | 1.84         |     |
| 378      | 1/25/2011 11:46 | 10.71  | 45.71  | 29.50        |         | 8.00 | 1.2        | 1.92         |     |
| 379      | 1/25/2011 12:01 | 10.67  | 45.57  | 29.40        |         | 7.97 | 1.7        | 2.01         |     |
| 380      | 1/25/2011 12:16 | 10.64  | 45.77  | 29.54        |         | 7.97 | 1.5        | 2.07         |     |
| 381      | 1/25/2011 12:31 | 10.63  | 45.87  | 29.61        |         | 8.00 | 1.5        | 2.16         |     |
| 382      | 1/25/2011 12:46 | 10.61  | 46.15  | 29.80        |         | 8.00 | 1.7        | 2.21         |     |
| 383      | 1/25/2011 13:01 | 10.63  | 46.30  | 29.92        |         | 7.97 | 1.3        | 2.27         |     |
| 384      | 1/25/2011 13:16 | 10.57  | 46.63  | 30.15        |         | 7.99 | 1.6        | 2.36         |     |
| 385      | 1/25/2011 13:31 | 10.56  | 46.87  | 30.32        |         | 7.99 | 2.0        | 2.42         |     |
| 386      | 1/25/2011 13:46 | 10.61  | 46.91  | 30.35        |         | 7.96 | 1.8        | 2.49         |     |
| 387      | 1/25/2011 14:01 | 10.60  | 47.05  | 30.45        |         | 7.96 | 1.6        | 2.55         |     |
| 388      | 1/25/2011 14:16 | 10.62  | 47.08  | 30.48        |         | 7.96 | 1.6        | 2.62         |     |
| 389      | 1/25/2011 14:31 | 10.61  | 47.19  | 30.55        |         | 7.96 | 2.0        | 2.68         |     |
| 390      | 1/25/2011 14:46 | 10.61  | 47.09  | 30.48        |         | 7.96 | 1.6        | 2.74         |     |
| 391      | 1/25/2011 15:01 | 10.57  | 47.35  | 30.67        |         | 7.99 | 1.6        | 2.80         |     |
| 392      | 1/25/2011 15:16 | 10.54  | 47.40  | 30.70        |         | 7.99 | 1.5        | 2.85         |     |
| 393      | 1/25/2011 15:31 | 10.53  | 47.48  | 30.76        |         | 7.96 | 2.0        | 2.90         |     |
| 394      | 1/25/2011 15:46 | 10.51  | 47.59  | 30.84        |         | 7.95 | 1.8        | 2.94         |     |
| 395      | 1/25/2011 16:01 | 10.50  | 47.68  | 30.90        |         | 7.99 | 1.3        | 2.97         |     |
| 396      | 1/25/2011 16:16 | 10.50  | 47.49  | 30.76        |         | 7.99 | 0.9        | 2.99         |     |
| 397      | 1/25/2011 16:31 | 10.54  | 47.49  | 30.76        |         | 7.92 | 0.9        | 3.01         |     |
| 398      | 1/25/2011 16:46 | 10.54  | 47.56  | 30.82        |         | 7.99 | 1.1        | 2.99         |     |
| 399      | 1/25/2011 17:01 | 10.51  | 47.48  | 30.76        |         | 7.99 | 1.0        | 2.96         |     |
| 400      | 1/25/2011 17:16 | 10.52  | 47.70  | 30.91        |         | 7.99 | 2.3        | 2.92         |     |
| 401      | 1/25/2011 17:31 | 10.54  | 47.61  | 30.85        |         | 7.96 | 1.8        | 2.89         |     |
| 402      | 1/25/2011 17:46 | 10.77  | 47.07  | 30.48        |         | 7.98 | 1.9        | 2.82         |     |
| 403      | 1/25/2011 18:01 | 10.64  | 47.18  | 30.55        |         | 8.01 | 2.3        | 2.74         |     |
| 404      | 1/25/2011 18:16 | 10.58  | 47.19  | 30.56        |         | 7.97 | 2.3        | 2.67         |     |
| 405      | 1/25/2011 18:31 | 10.55  | 47.21  | 30.56        |         | 8.00 | 1.8        | 2.60         |     |
| 406      | 1/25/2011 18:46 | 10.51  | 47.22  | 30.57        |         | 7.99 | 1.6        | 2.51         |     |
| 407      | 1/25/2011 19:01 | 10.56  | 47.03  | 30.43        |         | 7.97 | 1.9        | 2.44         |     |
| 408      | 1/25/2011 19:16 | 10.61  | 46.66  | 30.17        |         | 8.01 | 2.0        | 2.36         |     |
| 409      | 1/25/2011 19:31 | 10.67  | 46.31  | 29.92        |         | 8.02 | 2.0        | 2.27         |     |
| 410      | 1/25/2011 19:46 | 10.64  | 46.33  | 29.94        |         | 7.98 | 1.7        | 2.19         |     |
| 411      | 1/25/2011 20:01 | 10.68  | 46.16  | 29.82        |         | 8.01 | 1.8        | 2.13         |     |
| 412      | 1/25/2011 20:16 | 10.68  | 46.08  | 29.76        |         | 8.01 | 1.5        | 2.05         |     |
| 413      | 1/25/2011 20:31 | 10.70  | 46.05  | 29.74        |         | 8.02 | 1.2        | 1.98         |     |
| 414      | 1/25/2011 20:46 | 10.77  | 45.94  | 29.67        |         | 7.99 | 0.9        | 1.93         |     |
| 415      | 1/25/2011 21:01 | 10.82  | 45.89  | 29.63        |         | 8.04 | 0.5        | 1.86         |     |
| 416      | 1/25/2011 21:16 | 10.85  | 45.79  | 29.56        |         | 8.06 | 0.4        | 1.86         |     |
| 417      | 1/25/2011 21:31 | 10.83  | 45.68  | 29.48        |         | 8.07 | 0.0        | 1.83         |     |
| 418      | 1/25/2011 21:46 | 10.83  | 45.73  | 29.52        |         | 8.05 | 0.1        | 1.83         |     |
| 419      | 1/25/2011 22:01 | 10.80  | 45.85  | 29.60        |         | 8.04 | 0.7        | 1.85         |     |
| 420      | 1/25/2011 22:16 | 10.75  | 45.89  | 29.63        |         | 8.00 | 0.4        | 1.88         |     |
| 421      | 1/25/2011 22:31 | 10.73  | 45.90  | 29.63        |         | 8.04 | 0.7        | 1.92         |     |
| 422      | 1/25/2011 22:46 | 10.73  | 45.92  | 29.65        |         | 8.03 | 0.7        | 1.97         |     |
| 423      | 1/25/2011 23:01 | 10.71  | 45.86  | 29.61        |         | 8.03 | 0.9        | 2.04         |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |     |
| 424      | 1/25/2011 23:16 | 10.70  | 45.95  | 29.67        |         | 8.02 | 0.9        | 2.11   |     |
| 425      | 1/25/2011 23:31 | 10.69  | 46.00  | 29.70        |         | 8.02 | 1.2        | 2.19   |     |
| 426      | 1/25/2011 23:46 | 10.70  | 46.11  | 29.79        |         | 7.98 | 1.4        | 2.25   |     |
| 427      | 1/26/2011 0:01  | 10.69  | 46.37  | 29.97        |         | 8.01 | 1.3        | 2.34   |     |
| 428      | 1/26/2011 0:16  | 10.67  | 46.23  | 29.87        |         | 7.97 | 1.6        | 2.41   |     |
| 429      | 1/26/2011 0:31  | 10.63  | 46.80  | 30.27        |         | 8.01 | 1.5        | 2.48   |     |
| 430      | 1/26/2011 0:46  | 10.57  | 46.83  | 30.29        |         | 8.00 | 2.0        | 2.57   |     |
| 431      | 1/26/2011 1:01  | 10.55  | 47.19  | 30.55        |         | 8.00 | 2.6        | 2.65   |     |
| 432      | 1/26/2011 1:16  | 10.53  | 47.34  | 30.66        |         | 8.00 | 2.1        | 2.73   |     |
| 433      | 1/26/2011 1:31  | 10.49  | 47.54  | 30.80        |         | 8.00 | 3.1        | 2.82   |     |
| 434      | 1/26/2011 1:46  | 10.45  | 47.74  | 30.94        |         | 7.96 | 4.2        | 2.90   |     |
| 435      | 1/26/2011 2:01  | 10.40  | 47.86  | 31.03        |         | 8.00 | 5.1        | 2.99   |     |
| 436      | 1/26/2011 2:16  | 10.34  | 48.09  | 31.19        |         | 8.00 | 4.9        | 3.10   |     |
| 437      | 1/26/2011 2:31  | 10.26  | 48.26  | 31.30        |         | 7.95 | 5.1        | 3.19   |     |
| 438      | 1/26/2011 2:46  | 10.19  | 48.55  | 31.51        |         | 8.00 | 5.9        | 3.27   |     |
| 439      | 1/26/2011 3:01  | 10.11  | 48.95  | 31.79        |         | 8.00 | 6.5        | 3.37   |     |
| 440      | 1/26/2011 3:16  | 10.06  | 49.29  | 32.03        |         | 8.00 | 6.6        | 3.46   |     |
| 441      | 1/26/2011 3:31  | 10.00  | 49.57  | 32.23        |         | 8.00 | 6.6        | 3.53   |     |
| 442      | 1/26/2011 3:46  | 9.96   | 49.70  | 32.32        |         | 7.95 | 5.0        | 3.60   |     |
| 443      | 1/26/2011 4:01  | 9.94   | 49.73  | 32.34        |         | 8.00 | 3.7        | 3.65   |     |
| 444      | 1/26/2011 4:16  | 9.93   | 49.78  | 32.38        |         | 8.00 | 3.2        | 3.71   |     |
| 445      | 1/26/2011 4:31  | 9.94   | 49.81  | 32.40        |         | 8.00 | 2.4        | 3.72   |     |
| 446      | 1/26/2011 4:46  | 9.96   | 49.67  | 32.30        |         | 8.00 | 2.6        | 3.75   |     |
| 447      | 1/26/2011 5:01  | 9.96   | 49.70  | 32.32        |         | 7.95 | 3.4        | 3.74   |     |
| 448      | 1/26/2011 5:16  | 9.94   | 49.84  | 32.42        |         | 7.96 | 2.9        | 3.71   |     |
| 449      | 1/26/2011 5:31  | 9.99   | 48.23  | 31.26        |         | 7.99 | 3.4        | 3.66   |     |
| 450      | 1/26/2011 5:46  | 9.99   | 48.28  | 31.30        |         | 7.99 | 2.6        | 3.58   |     |
| 451      | 1/26/2011 6:01  | 10.00  | 48.42  | 31.40        |         | 7.99 | 2.7        | 3.52   |     |
| 452      | 1/26/2011 6:16  | 10.01  | 48.40  | 31.39        |         | 7.94 | 2.7        | 3.44   |     |
| 453      | 1/26/2011 6:31  | 10.04  | 48.17  | 31.23        |         | 7.94 | 2.9        | 3.32   |     |
| 454      | 1/26/2011 6:46  | 10.09  | 47.76  | 30.93        |         | 7.95 | 4.1        | 3.24   |     |
| 455      | 1/26/2011 7:01  | 10.08  | 47.60  | 30.81        |         | 8.00 | 2.1        | 3.14   |     |
| 456      | 1/26/2011 7:16  | 10.03  | 47.56  | 30.78        |         | 7.99 | 2.0        | 3.03   |     |
| 457      | 1/26/2011 7:31  | 10.01  | 47.79  | 30.95        |         | 7.94 | 1.8        | 2.93   |     |
| 458      | 1/26/2011 7:46  | 10.04  | 47.85  | 30.99        |         | 7.94 | 1.8        | 2.83   |     |
| 459      | 1/26/2011 8:01  | 10.04  | 47.92  | 31.04        |         | 7.99 | 1.8        | 2.71   |     |
| 460      | 1/26/2011 8:16  | 10.04  | 47.86  | 31.00        |         | 7.94 | 1.7        | 2.60   |     |
| 461      | 1/26/2011 8:31  | 10.11  | 47.38  | 30.66        |         | 7.95 | 2.3        | 2.50   |     |
| 462      | 1/26/2011 8:46  | 10.13  | 47.26  | 30.57        |         | 7.95 | 1.6        | 2.41   |     |
| 463      | 1/26/2011 9:01  | 10.20  | 46.79  | 30.24        |         | 8.01 | 1.4        | 2.28   |     |
| 464      | 1/26/2011 9:16  | 10.24  | 46.69  | 30.17        |         | 8.01 | 1.3        | 2.18   |     |
| 465      | 1/26/2011 9:31  | 10.26  | 46.78  | 30.24        |         | 8.02 | 1.2        | 2.06   |     |
| 466      | 1/26/2011 9:46  | 10.34  | 46.46  | 30.02        |         | 8.02 | 1.4        | 1.96   |     |
| 467      | 1/26/2011 10:01 | 10.38  | 46.37  | 29.95        |         | 8.03 | 1.1        | 1.88   |     |
| 468      | 1/26/2011 10:16 | 10.43  | 46.23  | 29.86        |         | 8.04 | 1.1        | 1.78   |     |
| 469      | 1/26/2011 10:31 | 10.47  | 46.16  | 29.81        |         | 7.99 | 0.8        | 1.71   |     |
| 470      | 1/26/2011 10:46 | 10.51  | 46.07  | 29.74        |         | 8.04 | 0.7        | 1.64   |     |
| 471      | 1/26/2011 11:01 | 10.54  | 46.03  | 29.72        |         | 7.99 | 0.9        | 1.59   |     |
| 472      | 1/26/2011 11:16 | 10.60  | 45.98  | 29.69        |         | 8.04 | 0.2        | 1.59   |     |
| 473      | 1/26/2011 11:31 | 10.59  | 46.09  | 29.77        |         | 8.04 | 0.9        | 1.59   |     |
| 474      | 1/26/2011 11:46 | 10.57  | 46.12  | 29.78        |         | 7.99 | 0.4        | 1.59   |     |
| 475      | 1/26/2011 12:01 | 10.56  | 46.16  | 29.81        |         | 8.01 | 0.6        | 1.64   |     |
| 476      | 1/26/2011 12:16 | 10.63  | 46.14  | 29.80        |         | 8.03 | 0.5        | 1.69   |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 477      | 1/26/2011 12:31 | 10.69  | 46.16  | 29.82        |         | 7.98 | 0.2               | 1.73            |     |
| 478      | 1/26/2011 12:46 | 10.66  | 46.00  | 29.70        |         | 8.03 | 0.4               | 1.82            |     |
| 479      | 1/26/2011 13:01 | 10.56  | 46.04  | 29.73        |         | 8.02 | 0.5               | 1.88            |     |
| 480      | 1/26/2011 13:16 | 10.49  | 46.02  | 29.71        |         | 8.02 | 0.7               | 1.93            |     |
| 481      | 1/26/2011 13:31 | 10.44  | 46.10  | 29.76        |         | 7.99 | 0.7               | 2.02            |     |
| 482      | 1/26/2011 13:46 | 10.42  | 46.16  | 29.80        |         | 8.02 | 0.6               | 2.07            |     |
| 483      | 1/26/2011 14:01 | 10.36  | 46.35  | 29.94        |         | 7.98 | 0.6               | 2.14            |     |
| 484      | 1/26/2011 14:16 | 10.35  | 46.54  | 30.07        |         | 7.98 | 0.9               | 2.22            |     |
| 485      | 1/26/2011 14:31 | 10.36  | 46.64  | 30.14        |         | 7.98 | 0.9               | 2.26            |     |
| 486      | 1/26/2011 14:46 | 10.35  | 46.89  | 30.32        |         | 7.97 | 1.0               | 2.34            |     |
| 487      | 1/26/2011 15:01 | 10.40  | 47.03  | 30.42        |         | 8.00 | 1.0               | 2.37            |     |
| 488      | 1/26/2011 15:16 | 10.42  | 47.15  | 30.51        |         | 8.00 | 1.0               | 2.44            |     |
| 489      | 1/26/2011 15:31 | 10.40  | 47.23  | 30.57        |         | 8.00 | 1.0               | 2.50            |     |
| 490      | 1/26/2011 15:46 | 10.42  | 47.26  | 30.60        |         | 8.00 | 0.8               | 2.55            |     |
| 491      | 1/26/2011 16:01 | 10.40  | 47.37  | 30.67        |         | 8.00 | 0.9               | 2.61            |     |
| 492      | 1/26/2011 16:16 | 10.40  | 47.42  | 30.70        |         | 8.00 | 1.1               | 2.68            |     |
| 493      | 1/26/2011 16:31 | 10.46  | 47.42  | 30.71        |         | 7.97 | 0.8               | 2.71            |     |
| 494      | 1/26/2011 16:46 | 10.41  | 47.48  | 30.75        |         | 8.00 | 0.9               | 2.74            |     |
| 495      | 1/26/2011 17:01 | 10.38  | 47.53  | 30.79        |         | 7.97 | 0.9               | 2.79            |     |
| 496      | 1/26/2011 17:16 | 10.35  | 47.59  | 30.82        |         | 7.99 | 1.0               | 2.83            |     |
| 497      | 1/26/2011 17:31 | 10.34  | 47.63  | 30.85        |         | 7.99 | 0.5               | 2.83            |     |
| 498      | 1/26/2011 17:46 | 10.43  | 47.48  | 30.75        |         | 7.97 | 0.5               | 2.84            |     |
| 499      | 1/26/2011 18:01 | 10.36  | 47.58  | 30.82        |         | 7.97 | 0.7               | 2.86            |     |
| 500      | 1/26/2011 18:16 | 10.35  | 47.63  | 30.85        |         | 7.99 | 0.9               | 2.84            |     |
| 501      | 1/26/2011 18:31 | 10.33  | 47.68  | 30.89        |         | 7.99 | 0.7               | 2.82            |     |
| 502      | 1/26/2011 18:46 | 10.49  | 47.33  | 30.65        |         | 7.98 | 1.0               | 2.78            |     |
| 503      | 1/26/2011 19:01 | 10.63  | 47.04  | 30.45        |         | 8.00 | 0.9               | 2.74            |     |
| 504      | 1/26/2011 19:16 | 10.69  | 46.93  | 30.37        |         | 8.03 | 1.0               | 2.71            |     |
| 505      | 1/26/2011 19:31 | 10.76  | 46.85  | 30.32        |         | 8.03 | 1.1               | 2.65            |     |
| 506      | 1/26/2011 19:46 | 10.62  | 46.88  | 30.33        |         | 8.02 | 1.0               | 2.58            |     |
| 507      | 1/26/2011 20:01 | 10.59  | 46.90  | 30.34        |         | 7.99 | 0.9               | 2.53            |     |
| 508      | 1/26/2011 20:16 | 10.55  | 46.86  | 30.31        |         | 7.99 | 0.9               | 2.46            |     |
| 509      | 1/26/2011 20:31 | 10.52  | 46.66  | 30.17        |         | 7.99 | 0.6               | 2.40            |     |
| 510      | 1/26/2011 20:46 | 10.47  | 46.55  | 30.09        |         | 7.99 | 0.5               | 2.35            |     |
| 511      | 1/26/2011 21:01 | 10.52  | 46.53  | 30.07        |         | 8.02 | 0.7               | 2.30            |     |
| 512      | 1/26/2011 21:16 | 10.48  | 46.35  | 29.94        |         | 8.02 | 0.4               | 2.24            |     |
| 513      | 1/26/2011 21:31 | 10.51  | 46.27  | 29.89        |         | 8.00 | 0.3               | 2.22            |     |
| 514      | 1/26/2011 21:46 | 10.58  | 46.18  | 29.82        |         | 8.04 | 0.1               | 2.18            |     |
| 515      | 1/26/2011 22:01 | 10.59  | 46.12  | 29.79        |         | 8.05 | 0.0               | 2.10            |     |
| 516      | 1/26/2011 22:16 | 10.57  | 46.23  | 29.86        |         | 8.00 | 0.1               | 2.12            |     |
| 517      | 1/26/2011 22:31 | 10.50  | 46.32  | 29.93        |         | 7.99 | 0.1               | 2.14            |     |
| 518      | 1/26/2011 22:46 | 10.48  | 46.30  | 29.91        |         | 8.02 | 0.3               | 2.15            |     |
| 519      | 1/26/2011 23:01 | 10.43  | 46.32  | 29.92        |         | 7.99 | 0.2               | 2.16            |     |
| 520      | 1/26/2011 23:16 | 10.45  | 46.20  | 29.83        |         | 8.02 | 0.1               | 2.19            |     |
| 521      | 1/26/2011 23:31 | 10.47  | 46.52  | 30.07        |         | 8.01 | 0.6               | 2.24            |     |
| 522      | 1/26/2011 23:46 | 10.48  | 46.60  | 30.12        |         | 8.01 | 0.4               | 2.26            |     |
| 523      | 1/27/2011 0:01  | 10.46  | 46.53  | 30.07        |         | 8.02 | 0.5               | 2.31            |     |
| 524      | 1/27/2011 0:16  | 10.49  | 46.64  | 30.15        |         | 7.98 | 0.5               | 2.36            |     |
| 525      | 1/27/2011 0:31  | 10.49  | 46.74  | 30.23        |         | 7.98 | 0.6               | 2.43            |     |
| 526      | 1/27/2011 0:46  | 10.46  | 46.88  | 30.32        |         | 8.00 | 0.5               | 2.49            |     |
| 527      | 1/27/2011 1:01  | 10.44  | 46.94  | 30.36        |         | 8.00 | 0.8               | 2.57            |     |
| 528      | 1/27/2011 1:16  | 10.36  | 47.03  | 30.42        |         | 8.00 | 1.1               | 2.62            |     |
| 529      | 1/27/2011 1:31  | 10.31  | 47.29  | 30.61        |         | 8.00 | 1.0               | 2.69            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 530      | 1/27/2011 1:46  | 10.35  | 47.75  | 30.94        |         | 7.97 | 1.5               | 2.75            |     |
| 531      | 1/27/2011 2:01  | 10.30  | 48.07  | 31.17        |         | 7.96 | 1.2               | 2.85            |     |
| 532      | 1/27/2011 2:16  | 10.28  | 48.23  | 31.28        |         | 7.96 | 1.4               | 2.94            |     |
| 533      | 1/27/2011 2:31  | 10.25  | 48.34  | 31.36        |         | 7.96 | 1.7               | 3.00            |     |
| 534      | 1/27/2011 2:46  | 10.22  | 48.43  | 31.42        |         | 7.99 | 2.9               | 3.08            |     |
| 535      | 1/27/2011 3:01  | 10.18  | 48.68  | 31.60        |         | 7.99 | 3.4               | 3.16            |     |
| 536      | 1/27/2011 3:16  | 10.16  | 48.79  | 31.68        |         | 7.99 | 4.3               | 3.25            |     |
| 537      | 1/27/2011 3:31  | 10.12  | 48.88  | 31.74        |         | 7.99 | 4.4               | 3.33            |     |
| 538      | 1/27/2011 3:46  | 10.05  | 49.03  | 31.85        |         | 8.00 | 4.3               | 3.42            |     |
| 539      | 1/27/2011 4:01  | 10.00  | 49.17  | 31.94        |         | 7.97 | 4.1               | 3.48            |     |
| 540      | 1/27/2011 4:16  | 9.97   | 49.49  | 32.17        |         | 7.97 | 4.6               | 3.56            |     |
| 541      | 1/27/2011 4:31  | 9.95   | 49.64  | 32.28        |         | 8.00 | 3.9               | 3.61            |     |
| 542      | 1/27/2011 4:46  | 9.94   | 49.73  | 32.34        |         | 8.01 | 3.4               | 3.68            |     |
| 543      | 1/27/2011 5:01  | 9.93   | 49.84  | 32.42        |         | 8.01 | 2.6               | 3.71            |     |
| 544      | 1/27/2011 5:16  | 9.91   | 49.93  | 32.48        |         | 8.01 | 2.4               | 3.74            |     |
| 545      | 1/27/2011 5:31  | 9.91   | 49.95  | 32.50        |         | 8.01 | 2.0               | 3.77            |     |
| 546      | 1/27/2011 5:46  | 9.93   | 49.76  | 32.37        |         | 8.01 | 3.3               | 3.77            |     |
| 547      | 1/27/2011 6:01  | 9.91   | 49.91  | 32.47        |         | 8.01 | 3.1               | 3.77            |     |
| 548      | 1/27/2011 6:16  | 9.90   | 49.92  | 32.48        |         | 8.01 | 4.1               | 3.71            |     |
| 549      | 1/27/2011 6:31  | 9.85   | 48.93  | 31.76        |         | 7.99 | 2.6               | 3.67            |     |
| 550      | 1/27/2011 6:46  | 9.86   | 48.93  | 31.76        |         | 7.99 | 2.2               | 3.60            |     |
| 551      | 1/27/2011 7:01  | 9.90   | 49.06  | 31.86        |         | 7.99 | 2.5               | 3.51            |     |
| 552      | 1/27/2011 7:16  | 9.91   | 48.83  | 31.69        |         | 7.99 | 2.1               | 3.44            |     |
| 553      | 1/27/2011 7:31  | 9.90   | 48.70  | 31.59        |         | 7.96 | 1.8               | 3.35            |     |
| 554      | 1/27/2011 7:46  | 9.89   | 48.19  | 31.23        |         | 7.99 | 2.6               | 3.26            |     |
| 555      | 1/27/2011 8:01  | 9.92   | 48.00  | 31.10        |         | 7.99 | 2.0               | 3.17            |     |
| 556      | 1/27/2011 8:16  | 9.94   | 47.91  | 31.03        |         | 7.99 | 1.5               | 3.06            |     |
| 557      | 1/27/2011 8:31  | 9.94   | 47.74  | 30.91        |         | 8.00 | 1.2               | 2.97            |     |
| 558      | 1/27/2011 8:46  | 9.96   | 47.61  | 30.81        |         | 8.00 | 1.3               | 2.87            |     |
| 559      | 1/27/2011 9:01  | 9.96   | 47.62  | 30.82        |         | 7.98 | 1.2               | 2.75            |     |
| 560      | 1/27/2011 9:16  | 10.02  | 47.43  | 30.69        |         | 8.02 | 1.5               | 2.65            |     |
| 561      | 1/27/2011 9:31  | 10.06  | 47.36  | 30.65        |         | 8.02 | 1.0               | 2.55            |     |
| 562      | 1/27/2011 9:46  | 10.13  | 47.04  | 30.42        |         | 8.03 | 0.9               | 2.45            |     |
| 563      | 1/27/2011 10:01 | 10.21  | 47.15  | 30.50        |         | 8.04 | 1.2               | 2.33            |     |
| 564      | 1/27/2011 10:16 | 10.33  | 47.01  | 30.41        |         | 8.05 | 1.6               | 2.21            |     |
| 565      | 1/27/2011 10:31 | 10.41  | 46.84  | 30.29        |         | 8.03 | 1.2               | 2.11            |     |
| 566      | 1/27/2011 10:46 | 10.53  | 46.76  | 30.24        |         | 8.06 | 1.5               | 2.00            |     |
| 567      | 1/27/2011 11:01 | 10.59  | 46.63  | 30.15        |         | 8.06 | 1.3               | 1.88            |     |
| 568      | 1/27/2011 11:16 | 10.58  | 46.51  | 30.06        |         | 8.06 | 0.7               | 1.78            |     |
| 569      | 1/27/2011 11:31 | 10.66  | 46.44  | 30.02        |         | 8.07 | 0.9               | 1.69            |     |
| 570      | 1/27/2011 11:46 | 10.72  | 46.35  | 29.96        |         | 8.08 | 1.0               | 1.62            |     |
| 571      | 1/27/2011 12:01 | 10.79  | 46.27  | 29.90        |         | 8.08 | 1.0               | 1.55            |     |
| 572      | 1/27/2011 12:16 | 10.80  | 46.21  | 29.86        |         | 8.09 | 0.4               | 1.52            |     |
| 573      | 1/27/2011 12:31 | 10.94  | 46.25  | 29.90        |         | 8.09 | 0.8               | 1.49            |     |
| 574      | 1/27/2011 12:46 | 10.83  | 46.25  | 29.89        |         | 8.08 | 0.5               | 1.51            |     |
| 575      | 1/27/2011 13:01 | 10.76  | 46.29  | 29.92        |         | 8.04 | 0.1               | 1.54            |     |
| 576      | 1/27/2011 13:16 | 10.70  | 46.32  | 29.94        |         | 8.07 | 0.2               | 1.57            |     |
| 577      | 1/27/2011 13:31 | 10.72  | 46.36  | 29.97        |         | 8.06 | 0.3               | 1.64            |     |
| 578      | 1/27/2011 13:46 | 10.69  | 46.19  | 29.84        |         | 8.03 | 0.5               | 1.68            |     |
| 579      | 1/27/2011 14:01 | 10.66  | 46.22  | 29.86        |         | 8.05 | 0.3               | 1.76            |     |
| 580      | 1/27/2011 14:16 | 10.68  | 45.99  | 29.69        |         | 8.05 | 0.7               | 1.81            |     |
| 581      | 1/27/2011 14:31 | 10.62  | 46.00  | 29.70        |         | 8.04 | 0.7               | 1.87            |     |
| 582      | 1/27/2011 14:46 | 10.57  | 46.18  | 29.83        |         | 8.04 | 0.4               | 1.94            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-----|
| 583      | 1/27/2011 15:01 | 10.57  | 46.01           | 29.70        |                 | 8.01 | 0.6               | 1.99            |     |
| 584      | 1/27/2011 15:16 | 10.48  | 46.10           | 29.76        |                 | 8.00 | 0.2               | 2.06            |     |
| 585      | 1/27/2011 15:31 | 10.46  | 46.21           | 29.84        |                 | 8.03 | 0.4               | 2.12            |     |
| 586      | 1/27/2011 15:46 | 10.44  | 46.39           | 29.97        |                 | 8.02 | 0.4               | 2.19            |     |
| 587      | 1/27/2011 16:01 | 10.42  | 46.54           | 30.08        |                 | 8.01 | 0.8               | 2.26            |     |
| 588      | 1/27/2011 16:16 | 10.34  | 47.17           | 30.52        |                 | 8.00 | 0.6               | 2.31            |     |
| 589      | 1/27/2011 16:31 | 10.35  | 47.21           | 30.55        |                 | 7.97 | 0.7               | 2.38            |     |
| 590      | 1/27/2011 16:46 | 10.36  | 47.29           | 30.61        |                 | 7.97 | 0.8               | 2.44            |     |
| 591      | 1/27/2011 17:01 | 10.32  | 47.40           | 30.69        |                 | 7.97 | 0.9               | 2.49            |     |
| 592      | 1/27/2011 17:16 | 10.34  | 47.34           | 30.65        |                 | 7.97 | 0.7               | 2.56            |     |
| 593      | 1/27/2011 17:31 | 10.30  | 47.50           | 30.76        |                 | 7.97 | 0.7               | 2.60            |     |
| 594      | 1/27/2011 17:46 | 10.29  | 47.56           | 30.80        |                 | 7.97 | 0.7               | 2.65            |     |
| 595      | 1/27/2011 18:01 | 10.28  | 47.59           | 30.82        |                 | 7.99 | 0.7               | 2.70            |     |
| 596      | 1/27/2011 18:16 | 10.26  | 47.67           | 30.88        |                 | 7.99 | 0.7               | 2.74            |     |
| 597      | 1/27/2011 18:31 | 10.24  | 47.72           | 30.92        |                 | 7.96 | 0.7               | 2.77            |     |
| 598      | 1/27/2011 18:46 | 10.22  | 47.50           | 30.75        |                 | 7.99 | 0.4               | 2.80            |     |
| 599      | 1/27/2011 19:01 | 10.22  | 47.76           | 30.94        |                 | 7.99 | 0.1               | 2.83            |     |
| 600      | 1/27/2011 19:16 | 10.23  | 47.79           | 30.96        |                 | 7.95 | 0.0               | 2.85            |     |
| 601      | 1/27/2011 19:31 | 10.24  | 47.69           | 30.89        |                 | 7.96 | 0.0               | 2.85            |     |
| 602      | 1/27/2011 19:46 | 10.24  | 47.81           | 30.97        |                 | 7.96 | 0.1               | 2.85            |     |
| 603      | 1/27/2011 20:01 | 10.22  | 47.79           | 30.96        |                 | 7.99 | 0.9               | 2.83            |     |
| 604      | 1/27/2011 20:16 | 10.24  | 47.51           | 30.76        |                 | 7.99 | 0.5               | 2.79            |     |
| 605      | 1/27/2011 20:31 | 10.23  | 47.09           | 30.46        |                 | 7.98 | 0.7               | 2.75            |     |
| 606      | 1/27/2011 20:46 | 10.36  | 47.20           | 30.55        |                 | 8.01 | 0.5               | 2.71            |     |
| 607      | 1/27/2011 21:01 | 10.34  | 47.36           | 30.66        |                 | 7.99 | 0.3               | 2.67            |     |
| 608      | 1/27/2011 21:16 | 10.38  | 47.13           | 30.50        |                 | 7.97 | 0.2               | 2.61            |     |
| 609      | 1/27/2011 21:31 | 10.43  | 46.84           | 30.29        |                 | 8.01 | 0.4               | 2.57            |     |
| 610      | 1/27/2011 21:46 | 10.44  | 47.06           | 30.45        |                 | 8.01 | 0.2               | 2.51            |     |
| 611      | 1/27/2011 22:01 | 10.42  | 46.94           | 30.37        |                 | 8.01 | 0.8               | 2.47            |     |
| 612      | 1/27/2011 22:16 | 10.45  | 46.62           | 30.14        |                 | 7.99 | 0.8               | 2.43            |     |
| 613      | 1/27/2011 22:31 | 10.45  | 46.70           | 30.19        |                 | 8.02 | 0.7               | 2.39            |     |
| 614      | 1/27/2011 22:46 | 10.47  | 46.63           | 30.15        |                 | 8.02 | 0.2               | 2.36            |     |
| 615      | 1/27/2011 23:01 | 10.45  | 46.59           | 30.11        |                 | 8.02 | 0.0               | 2.37            |     |
| 616      | 1/27/2011 23:16 | 10.42  | 46.61           | 30.13        |                 | 7.98 | 0.0               | 2.34            |     |
| 617      | 1/27/2011 23:31 | 10.39  | 46.92           | 30.35        |                 | 7.99 | 0.2               | 2.33            |     |
| 618      | 1/27/2011 23:46 | 10.47  | 46.72           | 30.21        |                 | 7.99 | 0.2               | 2.35            |     |
| 619      | 1/28/2011 0:01  | 10.42  | 46.43           | 30.00        |                 | 7.99 | 0.1               | 2.33            |     |
| 620      | 1/28/2011 0:16  | 10.45  | 46.48           | 30.04        |                 | 8.03 | 0.0               | 2.36            |     |
| 621      | 1/28/2011 0:31  | 10.41  | 46.42           | 29.99        |                 | 8.01 | 0.3               | 2.39            |     |
| 622      | 1/28/2011 0:46  | 10.40  | 46.53           | 30.07        |                 | 8.00 | 0.2               | 2.42            |     |
| 623      | 1/28/2011 1:01  | 10.38  | 46.63           | 30.14        |                 | 8.00 | 0.8               | 2.44            |     |
| 624      | 1/28/2011 1:16  | 10.38  | 46.60           | 30.12        |                 | 8.00 | 0.7               | 2.49            |     |
| 625      | 1/28/2011 1:31  | 10.36  | 46.74           | 30.21        |                 | 8.00 | 0.5               | 2.54            |     |
| 626      | 1/28/2011 1:46  | 10.33  | 46.79           | 30.25        |                 | 7.99 | 0.9               | 2.59            |     |
| 627      | 1/28/2011 2:01  | 10.27  | 46.85           | 30.29        |                 | 8.00 | 1.0               | 2.64            |     |
| 628      | 1/28/2011 2:16  | 10.26  | 47.22           | 30.55        |                 | 7.99 | 1.2               | 2.69            |     |
| 629      | 1/28/2011 2:31  | 10.25  | 47.34           | 30.64        |                 | 7.99 | 1.0               | 2.77            |     |
| 630      | 1/28/2011 2:46  | 10.23  | 47.62           | 30.84        |                 | 7.99 | 0.9               | 2.83            |     |
| 631      | 1/28/2011 3:01  | 10.23  | 48.01           | 31.12        |                 | 7.98 | 0.9               | 2.89            |     |
| 632      | 1/28/2011 3:16  | 10.22  | 48.16           | 31.22        |                 | 7.99 | 0.9               | 2.96            |     |
| 633      | 1/28/2011 3:31  | 10.21  | 48.72           | 31.63        |                 | 7.99 | 1.4               | 3.05            |     |
| 634      | 1/28/2011 3:46  | 10.20  | 48.81           | 31.70        |                 | 7.99 | 1.4               | 3.11            |     |
| 635      | 1/28/2011 4:01  | 10.19  | 48.80           | 31.68        |                 | 7.99 | 2.1               | 3.19            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 636      | 1/28/2011 4:16  | 10.17  | 48.94  | 31.79        |         | 7.99 | 2.4               | 3.27            |     |
| 637      | 1/28/2011 4:31  | 10.15  | 49.07  | 31.88        |         | 7.97 | 2.5               | 3.35            |     |
| 638      | 1/28/2011 4:46  | 10.13  | 49.16  | 31.94        |         | 7.97 | 2.4               | 3.42            |     |
| 639      | 1/28/2011 5:01  | 10.11  | 49.30  | 32.04        |         | 7.97 | 2.5               | 3.49            |     |
| 640      | 1/28/2011 5:16  | 10.10  | 49.47  | 32.16        |         | 7.98 | 2.7               | 3.55            |     |
| 641      | 1/28/2011 5:31  | 10.10  | 49.51  | 32.19        |         | 7.98 | 2.0               | 3.61            |     |
| 642      | 1/28/2011 5:46  | 10.09  | 49.59  | 32.25        |         | 7.98 | 2.2               | 3.66            |     |
| 643      | 1/28/2011 6:01  | 10.09  | 49.69  | 32.32        |         | 8.02 | 1.8               | 3.70            |     |
| 644      | 1/28/2011 6:16  | 10.10  | 49.72  | 32.35        |         | 8.02 | 0.7               | 3.75            |     |
| 645      | 1/28/2011 6:31  | 10.10  | 49.75  | 32.37        |         | 7.99 | 0.7               | 3.77            |     |
| 646      | 1/28/2011 6:46  | 10.11  | 49.57  | 32.24        |         | 8.01 | 2.0               | 3.76            |     |
| 647      | 1/28/2011 7:01  | 10.10  | 49.74  | 32.36        |         | 7.99 | 1.9               | 3.75            |     |
| 648      | 1/28/2011 7:16  | 10.10  | 49.75  | 32.37        |         | 8.02 | 1.7               | 3.71            |     |
| 649      | 1/28/2011 7:31  | 10.10  | 49.47  | 32.16        |         | 8.01 | 3.1               | 3.65            |     |
| 650      | 1/28/2011 7:46  | 10.11  | 48.99  | 31.82        |         | 7.99 | 1.5               | 3.58            |     |
| 651      | 1/28/2011 8:01  | 10.11  | 48.87  | 31.73        |         | 7.96 | 1.8               | 3.50            |     |
| 652      | 1/28/2011 8:16  | 10.14  | 48.83  | 31.71        |         | 7.98 | 1.1               | 3.42            |     |
| 653      | 1/28/2011 8:31  | 10.14  | 48.83  | 31.71        |         | 7.96 | 2.4               | 3.33            |     |
| 654      | 1/28/2011 8:46  | 10.12  | 48.36  | 31.36        |         | 7.99 | 1.6               | 3.24            |     |
| 655      | 1/28/2011 9:01  | 10.12  | 48.13  | 31.20        |         | 7.96 | 0.8               | 3.15            |     |
| 656      | 1/28/2011 9:16  | 10.13  | 48.09  | 31.17        |         | 7.96 | 0.5               | 3.05            |     |
| 657      | 1/28/2011 9:31  | 10.16  | 48.24  | 31.28        |         | 7.98 | 0.6               | 2.95            |     |
| 658      | 1/28/2011 9:46  | 10.18  | 48.31  | 31.33        |         | 7.99 | 0.7               | 2.84            |     |
| 659      | 1/28/2011 10:01 | 10.22  | 48.04  | 31.14        |         | 7.96 | 1.0               | 2.74            |     |
| 660      | 1/28/2011 10:16 | 10.27  | 47.83  | 30.99        |         | 7.97 | 0.7               | 2.63            |     |
| 661      | 1/28/2011 10:31 | 10.32  | 47.50  | 30.76        |         | 7.97 | 1.0               | 2.52            |     |
| 662      | 1/28/2011 10:46 | 10.38  | 47.71  | 30.91        |         | 7.98 | 1.2               | 2.42            |     |
| 663      | 1/28/2011 11:01 | 10.47  | 47.37  | 30.67        |         | 8.01 | 1.4               | 2.30            |     |
| 664      | 1/28/2011 11:16 | 10.59  | 47.19  | 30.55        |         | 8.02 | 1.6               | 2.18            |     |
| 665      | 1/28/2011 11:31 | 10.74  | 47.07  | 30.47        |         | 8.03 | 1.6               | 2.06            |     |
| 666      | 1/28/2011 11:46 | 10.82  | 46.88  | 30.34        |         | 8.05 | 1.2               | 1.94            |     |
| 667      | 1/28/2011 12:01 | 10.91  | 46.79  | 30.28        |         | 8.06 | 0.9               | 1.83            |     |
| 668      | 1/28/2011 12:16 | 10.98  | 46.68  | 30.21        |         | 8.07 | 0.9               | 1.73            |     |
| 669      | 1/28/2011 12:31 | 11.05  | 46.67  | 30.20        |         | 8.07 | 0.9               | 1.63            |     |
| 670      | 1/28/2011 12:46 | 11.01  | 46.53  | 30.10        |         | 8.07 | 0.5               | 1.54            |     |
| 671      | 1/28/2011 13:01 | 11.11  | 46.47  | 30.07        |         | 8.07 | 0.6               | 1.46            |     |
| 672      | 1/28/2011 13:16 | 11.11  | 46.40  | 30.01        |         | 8.09 | 0.3               | 1.41            |     |
| 673      | 1/28/2011 13:31 | 11.15  | 46.36  | 29.98        |         | 8.09 | 0.2               | 1.38            |     |
| 674      | 1/28/2011 13:46 | 11.17  | 46.23  | 29.89        |         | 8.06 | 0.5               | 1.38            |     |
| 675      | 1/28/2011 14:01 | 11.13  | 46.39  | 30.01        |         | 8.08 | 0.1               | 1.38            |     |
| 676      | 1/28/2011 14:16 | 11.07  | 46.27  | 29.92        |         | 8.06 | 0.1               | 1.41            |     |
| 677      | 1/28/2011 14:31 | 11.03  | 46.32  | 29.95        |         | 8.07 | 0.1               | 1.47            |     |
| 678      | 1/28/2011 14:46 | 11.08  | 46.48  | 30.07        |         | 8.06 | 0.2               | 1.52            |     |
| 679      | 1/28/2011 15:01 | 11.02  | 46.19  | 29.86        |         | 8.07 | 0.2               | 1.58            |     |
| 680      | 1/28/2011 15:16 | 11.06  | 45.50  | 29.37        |         | 8.08 | 1.1               | 1.65            |     |
| 681      | 1/28/2011 15:31 | 10.99  | 45.59  | 29.43        |         | 8.06 | 1.0               | 1.72            |     |
| 682      | 1/28/2011 15:46 | 10.96  | 45.44  | 29.32        |         | 8.03 | 0.9               | 1.78            |     |
| 683      | 1/28/2011 16:01 | 10.92  | 45.67  | 29.48        |         | 8.07 | 0.7               | 1.84            |     |
| 684      | 1/28/2011 16:16 | 10.91  | 45.87  | 29.62        |         | 8.04 | 0.5               | 1.92            |     |
| 685      | 1/28/2011 16:31 | 10.85  | 46.03  | 29.73        |         | 8.01 | 0.3               | 1.99            |     |
| 686      | 1/28/2011 16:46 | 10.85  | 46.03  | 29.74        |         | 8.03 | 0.5               | 2.04            |     |
| 687      | 1/28/2011 17:01 | 10.70  | 46.50  | 30.07        |         | 8.04 | 0.3               | 2.11            |     |
| 688      | 1/28/2011 17:16 | 10.62  | 46.93  | 30.36        |         | 8.00 | 0.5               | 2.19            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-----|
| 689      | 1/28/2011 17:31 | 10.56  | 47.23           | 30.58        |                 | 7.99 | 0.7               | 2.26            |     |
| 690      | 1/28/2011 17:46 | 10.53  | 47.06           | 30.45        |                 | 8.02 | 0.5               | 2.32            |     |
| 691      | 1/28/2011 18:01 | 10.50  | 47.15           | 30.52        |                 | 8.02 | 0.6               | 2.39            |     |
| 692      | 1/28/2011 18:16 | 10.51  | 47.16           | 30.53        |                 | 7.98 | 0.7               | 2.46            |     |
| 693      | 1/28/2011 18:31 | 10.49  | 47.51           | 30.78        |                 | 7.98 | 0.9               | 2.52            |     |
| 694      | 1/28/2011 18:46 | 10.48  | 47.25           | 30.59        |                 | 7.96 | 0.6               | 2.58            |     |
| 695      | 1/28/2011 19:01 | 10.47  | 47.58           | 30.83        |                 | 7.98 | 0.5               | 2.64            |     |
| 696      | 1/28/2011 19:16 | 10.48  | 47.63           | 30.86        |                 | 7.98 | 0.8               | 2.69            |     |
| 697      | 1/28/2011 19:31 | 10.43  | 47.74           | 30.94        |                 | 7.95 | 0.5               | 2.74            |     |
| 698      | 1/28/2011 19:46 | 10.41  | 47.82           | 31.00        |                 | 7.98 | 0.6               | 2.78            |     |
| 699      | 1/28/2011 20:01 | 10.42  | 47.45           | 30.73        |                 | 8.01 | 0.4               | 2.81            |     |
| 700      | 1/28/2011 20:16 | 10.43  | 47.91           | 31.06        |                 | 7.98 | 0.4               | 2.85            |     |
| 701      | 1/28/2011 20:31 | 10.44  | 47.92           | 31.07        |                 | 7.98 | 0.2               | 2.88            |     |
| 702      | 1/28/2011 20:46 | 10.44  | 47.98           | 31.11        |                 | 7.98 | 0.0               | 2.89            |     |
| 703      | 1/28/2011 21:01 | 10.45  | 47.85           | 31.02        |                 | 7.98 | 0.6               | 2.89            |     |
| 704      | 1/28/2011 21:16 | 10.44  | 47.88           | 31.04        |                 | 7.97 | 0.0               | 2.89            |     |
| 705      | 1/28/2011 21:31 | 10.45  | 47.30           | 30.62        |                 | 8.01 | 0.0               | 2.87            |     |
| 706      | 1/28/2011 21:46 | 10.46  | 47.78           | 30.97        |                 | 7.98 | 0.2               | 2.85            |     |
| 707      | 1/28/2011 22:01 | 10.51  | 47.52           | 30.79        |                 | 7.98 | 0.5               | 2.81            |     |
| 708      | 1/28/2011 22:16 | 10.52  | 47.44           | 30.73        |                 | 7.98 | 0.7               | 2.77            |     |
| 709      | 1/28/2011 22:31 | 10.53  | 47.47           | 30.75        |                 | 7.98 | 0.4               | 2.74            |     |
| 710      | 1/28/2011 22:46 | 10.56  | 47.40           | 30.70        |                 | 7.98 | 0.7               | 2.69            |     |
| 711      | 1/28/2011 23:01 | 10.50  | 47.45           | 30.73        |                 | 7.98 | 0.9               | 2.65            |     |
| 712      | 1/28/2011 23:16 | 10.47  | 47.50           | 30.77        |                 | 7.97 | 1.0               | 2.60            |     |
| 713      | 1/28/2011 23:31 | 10.48  | 47.43           | 30.72        |                 | 7.97 | 0.9               | 2.55            |     |
| 714      | 1/28/2011 23:46 | 10.52  | 47.27           | 30.60        |                 | 7.98 | 0.4               | 2.52            |     |
| 715      | 1/29/2011 0:01  | 10.53  | 47.14           | 30.51        |                 | 7.96 | 0.2               | 2.49            |     |
| 716      | 1/29/2011 0:16  | 10.55  | 46.78           | 30.26        |                 | 7.99 | 0.0               | 2.46            |     |
| 717      | 1/29/2011 0:31  | 10.54  | 46.75           | 30.24        |                 | 7.98 | 0.0               | 2.44            |     |
| 718      | 1/29/2011 0:46  | 10.55  | 46.79           | 30.26        |                 | 7.98 | 0.0               | 2.43            |     |
| 719      | 1/29/2011 1:01  | 10.53  | 46.84           | 30.30        |                 | 8.01 | 0.0               | 2.42            |     |
| 720      | 1/29/2011 1:16  | 10.53  | 46.92           | 30.36        |                 | 8.02 | 0.1               | 2.43            |     |
| 721      | 1/29/2011 1:31  | 10.53  | 46.81           | 30.28        |                 | 7.98 | 0.2               | 2.44            |     |
| 722      | 1/29/2011 1:46  | 10.53  | 46.93           | 30.36        |                 | 7.95 | 0.4               | 2.47            |     |
| 723      | 1/29/2011 2:01  | 10.53  | 47.03           | 30.43        |                 | 7.97 | 0.5               | 2.50            |     |
| 724      | 1/29/2011 2:16  | 10.52  | 47.34           | 30.65        |                 | 7.97 | 0.5               | 2.54            |     |
| 725      | 1/29/2011 2:31  | 10.52  | 47.03           | 30.43        |                 | 7.95 | 0.2               | 2.58            |     |
| 726      | 1/29/2011 2:46  | 10.51  | 47.01           | 30.42        |                 | 8.02 | 0.3               | 2.63            |     |
| 727      | 1/29/2011 3:01  | 10.49  | 47.18           | 30.54        |                 | 7.97 | 0.7               | 2.68            |     |
| 728      | 1/29/2011 3:16  | 10.46  | 47.35           | 30.66        |                 | 8.02 | 0.5               | 2.74            |     |
| 729      | 1/29/2011 3:31  | 10.45  | 47.64           | 30.87        |                 | 7.97 | 0.9               | 2.79            |     |
| 730      | 1/29/2011 3:46  | 10.43  | 47.49           | 30.76        |                 | 7.93 | 0.7               | 2.85            |     |
| 731      | 1/29/2011 4:01  | 10.41  | 47.94           | 31.08        |                 | 8.02 | 0.7               | 2.92            |     |
| 732      | 1/29/2011 4:16  | 10.39  | 48.48           | 31.47        |                 | 7.98 | 0.9               | 2.98            |     |
| 733      | 1/29/2011 4:31  | 10.38  | 48.51           | 31.49        |                 | 7.94 | 1.2               | 3.04            |     |
| 734      | 1/29/2011 4:46  | 10.37  | 48.66           | 31.60        |                 | 8.03 | 0.9               | 3.12            |     |
| 735      | 1/29/2011 5:01  | 10.36  | 48.64           | 31.58        |                 | 7.99 | 1.3               | 3.20            |     |
| 736      | 1/29/2011 5:16  | 10.36  | 48.65           | 31.59        |                 | 8.04 | 1.8               | 3.26            |     |
| 737      | 1/29/2011 5:31  | 10.34  | 49.12           | 31.93        |                 | 7.99 | 2.4               | 3.32            |     |
| 738      | 1/29/2011 5:46  | 10.33  | 49.00           | 31.84        |                 | 8.00 | 2.0               | 3.40            |     |
| 739      | 1/29/2011 6:01  | 10.32  | 49.37           | 32.11        |                 | 8.00 | 1.5               | 3.48            |     |
| 740      | 1/29/2011 6:16  | 10.31  | 49.12           | 31.93        |                 | 8.01 | 1.6               | 3.52            |     |
| 741      | 1/29/2011 6:31  | 10.31  | 49.62           | 32.29        |                 | 8.01 | 0.9               | 3.58            |     |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 742      | 1/29/2011 6:46  | 10.30  | 49.72  | 32.36        |         | 8.02 | 0.9               | 3.64            |     |
| 743      | 1/29/2011 7:01  | 10.30  | 49.33  | 32.07        |         | 8.07 | 0.8               | 3.67            |     |
| 744      | 1/29/2011 7:16  | 10.30  | 49.77  | 32.40        |         | 8.02 | 0.3               | 3.69            |     |
| 745      | 1/29/2011 7:31  | 10.30  | 49.50  | 32.20        |         | 8.02 | 0.2               | 3.73            |     |
| 746      | 1/29/2011 7:46  | 10.29  | 49.40  | 32.13        |         | 8.07 | 0.0               | 3.72            |     |
| 747      | 1/29/2011 8:01  | 10.31  | 49.42  | 32.14        |         | 8.06 | 1.3               | 3.71            |     |
| 748      | 1/29/2011 8:16  | 10.29  | 49.81  | 32.42        |         | 8.07 | 0.7               | 3.71            |     |
| 749      | 1/29/2011 8:31  | 10.28  | 49.43  | 32.15        |         | 7.98 | 3.2               | 3.65            |     |
| 750      | 1/29/2011 8:46  | 10.26  | 48.71  | 31.62        |         | 7.98 | 1.0               | 3.59            |     |
| 751      | 1/29/2011 9:01  | 10.29  | 48.70  | 31.62        |         | 7.94 | 1.4               | 3.53            |     |
| 752      | 1/29/2011 9:16  | 10.30  | 48.52  | 31.49        |         | 7.98 | 0.9               | 3.44            |     |
| 753      | 1/29/2011 9:31  | 10.32  | 48.44  | 31.43        |         | 7.98 | 0.8               | 3.35            |     |
| 754      | 1/29/2011 9:46  | 10.34  | 48.15  | 31.23        |         | 7.98 | 1.0               | 3.27            |     |
| 755      | 1/29/2011 10:01 | 10.37  | 48.08  | 31.18        |         | 7.98 | 0.7               | 3.18            |     |
| 756      | 1/29/2011 10:16 | 10.41  | 47.96  | 31.09        |         | 7.99 | 0.4               | 3.06            |     |
| 757      | 1/29/2011 10:31 | 10.47  | 47.91  | 31.06        |         | 8.00 | 0.2               | 2.96            |     |
| 758      | 1/29/2011 10:46 | 10.52  | 47.87  | 31.04        |         | 8.00 | 0.7               | 2.86            |     |
| 759      | 1/29/2011 11:01 | 10.60  | 48.01  | 31.14        |         | 8.00 | 0.0               | 2.75            |     |
| 760      | 1/29/2011 11:16 | 10.65  | 47.83  | 31.01        |         | 8.01 | 0.4               | 2.63            |     |
| 761      | 1/29/2011 11:31 | 10.76  | 48.15  | 31.25        |         | 8.01 | 0.0               | 2.52            |     |
| 762      | 1/29/2011 11:46 | 10.86  | 47.87  | 31.05        |         | 8.01 | 0.2               | 2.40            |     |
| 763      | 1/29/2011 12:01 | 10.84  | 47.39  | 30.71        |         | 8.02 | 0.9               | 2.29            |     |
| 764      | 1/29/2011 12:16 | 10.90  | 47.31  | 30.65        |         | 7.99 | 1.2               | 2.15            |     |
| 765      | 1/29/2011 12:31 | 11.05  | 47.39  | 30.72        |         | 8.04 | 1.3               | 2.02            |     |
| 766      | 1/29/2011 12:46 | 11.06  | 47.05  | 30.47        |         | 8.05 | 2.0               | 1.91            |     |
| 767      | 1/29/2011 13:01 | 11.13  | 46.92  | 30.38        |         | 8.06 | 1.6               | 1.78            |     |
| 768      | 1/29/2011 13:16 | 11.23  | 46.90  | 30.38        |         | 8.07 | 2.9               | 1.67            |     |
| 769      | 1/29/2011 13:31 | 11.28  | 46.78  | 30.29        |         | 8.06 | 3.1               | 1.56            |     |
| 770      | 1/29/2011 13:46 | 11.32  | 46.44  | 30.05        |         | 8.14 | 3.1               | 1.47            |     |
| 771      | 1/29/2011 14:01 | 11.38  | 46.28  | 29.94        |         | 8.15 | 4.3               | 1.39            |     |
| 772      | 1/29/2011 14:16 | 11.42  | 46.21  | 29.89        |         | 8.10 | 4.5               | 1.33            |     |
| 773      | 1/29/2011 14:31 | 11.44  | 46.28  | 29.94        |         | 8.15 | 2.9               | 1.29            |     |
| 774      | 1/29/2011 14:46 | 11.46  | 46.27  | 29.94        |         | 8.10 | 2.7               | 1.28            |     |
| 775      | 1/29/2011 15:01 | 11.42  | 46.40  | 30.03        |         | 8.09 | 3.1               | 1.31            |     |
| 776      | 1/29/2011 15:16 | 11.36  | 46.42  | 30.04        |         | 8.09 | 2.0               | 1.33            |     |
| 777      | 1/29/2011 15:31 | 11.31  | 46.45  | 30.06        |         | 8.08 | 2.2               | 1.38            |     |
| 778      | 1/29/2011 15:46 | 11.27  | 46.58  | 30.15        |         | 8.07 | 2.0               | 1.46            |     |
| 779      | 1/29/2011 16:01 | 11.26  | 46.31  | 29.96        |         | 8.06 | 1.5               | 1.51            |     |
| 780      | 1/29/2011 16:16 | 11.33  | 45.54  | 29.40        |         | 8.07 | 1.6               | 1.60            |     |
| 781      | 1/29/2011 16:31 | 11.31  | 45.52  | 29.39        |         | 8.06 | 2.1               | 1.68            |     |
| 782      | 1/29/2011 16:46 | 11.30  | 45.44  | 29.34        |         | 8.06 | 4.2               | 1.76            |     |
| 783      | 1/29/2011 17:01 | 11.24  | 45.82  | 29.60        |         | 8.05 | 2.8               | 1.83            |     |
| 784      | 1/29/2011 17:16 | 11.16  | 46.25  | 29.91        |         | 8.04 | 1.7               | 1.91            |     |
| 785      | 1/29/2011 17:31 | 11.09  | 46.49  | 30.08        |         | 8.02 | 0.9               | 1.98            |     |
| 786      | 1/29/2011 17:46 | 11.03  | 46.57  | 30.13        |         | 8.01 | 1.9               | 2.03            |     |
| 787      | 1/29/2011 18:01 | 10.91  | 46.70  | 30.22        |         | 8.07 | 3.4               | 2.11            |     |
| 788      | 1/29/2011 18:16 | 10.82  | 46.77  | 30.26        |         | 7.99 | 4.3               | 2.17            |     |
| 789      | 1/29/2011 18:31 | 10.76  | 46.81  | 30.29        |         | 7.98 | 4.3               | 2.26            |     |
| 790      | 1/29/2011 18:46 | 10.72  | 46.97  | 30.40        |         | 7.98 | 4.2               | 2.32            |     |
| 791      | 1/29/2011 19:01 | 10.70  | 47.00  | 30.42        |         | 8.06 | 2.9               | 2.41            |     |
| 792      | 1/29/2011 19:16 | 10.66  | 47.20  | 30.56        |         | 7.95 | 2.4               | 2.48            |     |
| 793      | 1/29/2011 19:31 | 10.65  | 47.25  | 30.60        |         | 7.95 | 2.7               | 2.54            |     |
| 794      | 1/29/2011 19:46 | 10.65  | 47.36  | 30.68        |         | 7.95 | 2.7               | 2.62            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-----|
| 795      | 1/29/2011 20:01 | 10.61  | 47.48           | 30.76        |                 | 7.98 | 2.3               | 2.69            |     |
| 796      | 1/29/2011 20:16 | 10.59  | 47.68           | 30.91        |                 | 7.98 | 2.6               | 2.76            |     |
| 797      | 1/29/2011 20:31 | 10.58  | 47.73           | 30.94        |                 | 7.97 | 2.0               | 2.82            |     |
| 798      | 1/29/2011 20:46 | 10.57  | 47.91           | 31.07        |                 | 7.97 | 2.1               | 2.89            |     |
| 799      | 1/29/2011 21:01 | 10.55  | 48.08           | 31.19        |                 | 8.06 | 2.0               | 2.93            |     |
| 800      | 1/29/2011 21:16 | 10.54  | 48.48           | 31.48        |                 | 8.06 | 1.2               | 2.98            |     |
| 801      | 1/29/2011 21:31 | 10.54  | 48.34           | 31.38        |                 | 7.98 | 0.9               | 3.03            |     |
| 802      | 1/29/2011 21:46 | 10.54  | 48.28           | 31.34        |                 | 8.07 | 1.2               | 3.04            |     |
| 803      | 1/29/2011 22:01 | 10.54  | 48.46           | 31.47        |                 | 7.98 | 0.6               | 3.07            |     |
| 804      | 1/29/2011 22:16 | 10.54  | 48.37           | 31.40        |                 | 8.06 | 0.8               | 3.07            |     |
| 805      | 1/29/2011 22:31 | 10.54  | 48.58           | 31.55        |                 | 7.98 | 0.8               | 3.03            |     |
| 806      | 1/29/2011 22:46 | 10.50  | 47.74           | 30.94        |                 | 7.97 | 2.2               | 2.99            |     |
| 807      | 1/29/2011 23:01 | 10.51  | 47.34           | 30.65        |                 | 8.05 | 4.7               | 2.95            |     |
| 808      | 1/29/2011 23:16 | 10.48  | 47.81           | 30.99        |                 | 7.97 | 5.6               | 2.90            |     |
| 809      | 1/29/2011 23:31 | 10.45  | 47.61           | 30.84        |                 | 7.95 | 5.4               | 2.86            |     |
| 810      | 1/29/2011 23:46 | 10.45  | 47.43           | 30.72        |                 | 7.96 | 4.8               | 2.79            |     |
| 811      | 1/30/2011 0:01  | 10.43  | 47.14           | 30.51        |                 | 7.97 | 4.3               | 2.75            |     |
| 812      | 1/30/2011 0:16  | 10.50  | 47.39           | 30.69        |                 | 7.97 | 2.5               | 2.68            |     |
| 813      | 1/30/2011 0:31  | 10.52  | 47.03           | 30.43        |                 | 7.97 | 2.2               | 2.65            |     |
| 814      | 1/30/2011 0:46  | 10.57  | 47.00           | 30.41        |                 | 7.97 | 1.5               | 2.62            |     |
| 815      | 1/30/2011 1:01  | 10.58  | 47.04           | 30.45        |                 | 8.05 | 1.6               | 2.59            |     |
| 816      | 1/30/2011 1:16  | 10.52  | 47.06           | 30.45        |                 | 7.96 | 2.9               | 2.53            |     |
| 817      | 1/30/2011 1:31  | 10.53  | 46.97           | 30.39        |                 | 8.05 | 2.4               | 2.48            |     |
| 818      | 1/30/2011 1:46  | 10.54  | 46.85           | 30.31        |                 | 8.05 | 2.1               | 2.49            |     |
| 819      | 1/30/2011 2:01  | 10.54  | 47.00           | 30.41        |                 | 7.94 | 1.5               | 2.47            |     |
| 820      | 1/30/2011 2:16  | 10.53  | 46.97           | 30.39        |                 | 7.96 | 1.3               | 2.41            |     |
| 821      | 1/30/2011 2:31  | 10.60  | 47.18           | 30.55        |                 | 8.04 | 0.3               | 2.45            |     |
| 822      | 1/30/2011 2:46  | 10.59  | 47.19           | 30.56        |                 | 8.05 | 0.4               | 2.43            |     |
| 823      | 1/30/2011 3:01  | 10.49  | 47.08           | 30.47        |                 | 7.96 | 1.6               | 2.44            |     |
| 824      | 1/30/2011 3:16  | 10.56  | 47.45           | 30.74        |                 | 7.96 | 1.2               | 2.45            |     |
| 825      | 1/30/2011 3:31  | 10.53  | 47.11           | 30.49        |                 | 7.94 | 1.5               | 2.51            |     |
| 826      | 1/30/2011 3:46  | 10.53  | 47.09           | 30.48        |                 | 8.05 | 2.1               | 2.59            |     |
| 827      | 1/30/2011 4:01  | 10.51  | 47.34           | 30.65        |                 | 7.96 | 1.6               | 2.61            |     |
| 828      | 1/30/2011 4:16  | 10.53  | 47.49           | 30.76        |                 | 7.96 | 1.8               | 2.67            |     |
| 829      | 1/30/2011 4:31  | 10.53  | 47.57           | 30.82        |                 | 7.96 | 1.8               | 2.73            |     |
| 830      | 1/30/2011 4:46  | 10.52  | 47.83           | 31.01        |                 | 7.97 | 1.5               | 2.79            |     |
| 831      | 1/30/2011 5:01  | 10.52  | 48.18           | 31.26        |                 | 7.95 | 1.5               | 2.84            |     |
| 832      | 1/30/2011 5:16  | 10.51  | 48.37           | 31.39        |                 | 7.96 | 1.7               | 2.91            |     |
| 833      | 1/30/2011 5:31  | 10.49  | 48.38           | 31.40        |                 | 7.97 | 2.3               | 2.99            |     |
| 834      | 1/30/2011 5:46  | 10.46  | 48.52           | 31.50        |                 | 7.96 | 1.8               | 3.06            |     |
| 835      | 1/30/2011 6:01  | 10.44  | 48.72           | 31.64        |                 | 7.98 | 2.1               | 3.15            |     |
| 836      | 1/30/2011 6:16  | 10.40  | 48.93           | 31.80        |                 | 7.98 | 2.1               | 3.22            |     |
| 837      | 1/30/2011 6:31  | 10.39  | 49.07           | 31.90        |                 | 7.96 | 2.0               | 3.28            |     |
| 838      | 1/30/2011 6:46  | 10.34  | 49.17           | 31.96        |                 | 7.98 | 2.9               | 3.35            |     |
| 839      | 1/30/2011 7:01  | 10.28  | 49.28           | 32.04        |                 | 7.98 | 2.4               | 3.44            |     |
| 840      | 1/30/2011 7:16  | 10.20  | 49.47           | 32.17        |                 | 7.96 | 2.3               | 3.53            |     |
| 841      | 1/30/2011 7:31  | 10.16  | 49.58           | 32.25        |                 | 7.97 | 2.3               | 3.57            |     |
| 842      | 1/30/2011 7:46  | 10.12  | 49.70           | 32.33        |                 | 7.97 | 1.8               | 3.66            |     |
| 843      | 1/30/2011 8:01  | 10.08  | 49.78           | 32.39        |                 | 7.96 | 1.8               | 3.68            |     |
| 844      | 1/30/2011 8:16  | 10.07  | 49.79           | 32.40        |                 | 7.96 | 1.3               | 3.71            |     |
| 845      | 1/30/2011 8:31  | 10.04  | 49.83           | 32.42        |                 | 7.97 | 0.7               | 3.74            |     |
| 846      | 1/30/2011 8:46  | 10.12  | 49.67           | 32.31        |                 | 7.97 | 4.1               | 3.74            |     |
| 847      | 1/30/2011 9:01  | 10.03  | 49.83           | 32.42        |                 | 7.96 | 2.9               | 3.71            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 848      | 1/30/2011 9:16  | 10.06  | 49.74  | 32.36        |         | 7.97 | 2.6               | 3.70            |     |
| 849      | 1/30/2011 9:31  | 10.26  | 48.74  | 31.65        |         | 7.97 | 1.6               | 3.64            |     |
| 850      | 1/30/2011 9:46  | 10.32  | 48.79  | 31.69        |         | 7.97 | 1.8               | 3.59            |     |
| 851      | 1/30/2011 10:01 | 10.39  | 48.91  | 31.78        |         | 7.96 | 1.4               | 3.51            |     |
| 852      | 1/30/2011 10:16 | 10.33  | 48.98  | 31.82        |         | 7.97 | 1.8               | 3.45            |     |
| 853      | 1/30/2011 10:31 | 10.39  | 48.17  | 31.25        |         | 7.96 | 1.8               | 3.35            |     |
| 854      | 1/30/2011 10:46 | 10.51  | 47.99  | 31.12        |         | 7.97 | 1.5               | 3.26            |     |
| 855      | 1/30/2011 11:01 | 10.57  | 47.90  | 31.07        |         | 7.96 | 1.3               | 3.14            |     |
| 856      | 1/30/2011 11:16 | 10.64  | 47.96  | 31.11        |         | 7.98 | 0.8               | 3.03            |     |
| 857      | 1/30/2011 11:31 | 10.62  | 47.84  | 31.02        |         | 7.98 | 2.0               | 2.91            |     |
| 858      | 1/30/2011 11:46 | 10.72  | 47.80  | 31.00        |         | 7.99 | 1.2               | 2.80            |     |
| 859      | 1/30/2011 12:01 | 10.84  | 47.79  | 31.00        |         | 7.99 | 0.7               | 2.70            |     |
| 860      | 1/30/2011 12:16 | 10.86  | 47.69  | 30.93        |         | 7.98 | 1.0               | 2.58            |     |
| 861      | 1/30/2011 12:31 | 11.06  | 47.83  | 31.04        |         | 8.00 | 1.8               | 2.46            |     |
| 862      | 1/30/2011 12:46 | 11.02  | 47.43  | 30.75        |         | 8.00 | 1.4               | 2.33            |     |
| 863      | 1/30/2011 13:01 | 11.08  | 47.38  | 30.71        |         | 8.01 | 1.8               | 2.19            |     |
| 864      | 1/30/2011 13:16 | 11.21  | 47.40  | 30.74        |         | 8.02 | 1.7               | 2.07            |     |
| 865      | 1/30/2011 13:31 | 11.27  | 46.97  | 30.43        |         | 8.03 | 1.8               | 1.93            |     |
| 866      | 1/30/2011 13:46 | 11.35  | 47.22  | 30.61        |         | 8.13 | 1.8               | 1.78            |     |
| 867      | 1/30/2011 14:01 | 11.34  | 46.97  | 30.43        |         | 8.04 | 2.0               | 1.66            |     |
| 868      | 1/30/2011 14:16 | 11.37  | 46.41  | 30.03        |         | 8.14 | 1.9               | 1.56            |     |
| 869      | 1/30/2011 14:31 | 11.46  | 46.46  | 30.07        |         | 8.15 | 1.9               | 1.45            |     |
| 870      | 1/30/2011 14:46 | 11.51  | 46.49  | 30.10        |         | 8.07 | 2.1               | 1.34            |     |
| 871      | 1/30/2011 15:01 | 11.55  | 46.32  | 29.98        |         | 8.17 | 2.0               | 1.25            |     |
| 872      | 1/30/2011 15:16 | 11.59  | 46.30  | 29.96        |         | 8.17 | 1.3               | 1.23            |     |
| 873      | 1/30/2011 15:31 | 11.63  | 46.30  | 29.96        |         | 8.08 | 1.5               | 1.17            |     |
| 874      | 1/30/2011 15:46 | 11.60  | 46.40  | 30.04        |         | 8.08 | 1.3               | 1.19            |     |
| 875      | 1/30/2011 16:01 | 11.54  | 46.18  | 29.87        |         | 8.07 | 1.1               | 1.23            |     |
| 876      | 1/30/2011 16:16 | 11.51  | 46.23  | 29.91        |         | 7.97 | 1.1               | 1.29            |     |
| 877      | 1/30/2011 16:31 | 11.49  | 46.31  | 29.97        |         | 8.06 | 1.0               | 1.33            |     |
| 878      | 1/30/2011 16:46 | 11.47  | 46.43  | 30.05        |         | 8.06 | 1.0               | 1.41            |     |
| 879      | 1/30/2011 17:01 | 11.47  | 46.12  | 29.83        |         | 8.06 | 1.2               | 1.49            |     |
| 880      | 1/30/2011 17:16 | 11.49  | 45.60  | 29.46        |         | 8.06 | 1.8               | 1.54            |     |
| 881      | 1/30/2011 17:31 | 11.47  | 45.53  | 29.41        |         | 8.05 | 1.8               | 1.63            |     |
| 882      | 1/30/2011 17:46 | 11.44  | 45.69  | 29.52        |         | 8.14 | 1.6               | 1.70            |     |
| 883      | 1/30/2011 18:01 | 11.41  | 45.92  | 29.68        |         | 8.04 | 1.5               | 1.78            |     |
| 884      | 1/30/2011 18:16 | 11.39  | 46.01  | 29.75        |         | 8.03 | 1.6               | 1.84            |     |
| 885      | 1/30/2011 18:31 | 11.35  | 45.75  | 29.56        |         | 8.02 | 1.6               | 1.94            |     |
| 886      | 1/30/2011 18:46 | 11.31  | 45.87  | 29.64        |         | 8.01 | 2.0               | 2.05            |     |
| 887      | 1/30/2011 19:01 | 11.20  | 46.65  | 30.20        |         | 8.00 | 1.5               | 2.11            |     |
| 888      | 1/30/2011 19:16 | 11.08  | 46.81  | 30.31        |         | 7.98 | 1.5               | 2.20            |     |
| 889      | 1/30/2011 19:31 | 11.04  | 47.12  | 30.52        |         | 7.97 | 1.8               | 2.30            |     |
| 890      | 1/30/2011 19:46 | 11.00  | 47.21  | 30.59        |         | 7.97 | 2.0               | 2.40            |     |
| 891      | 1/30/2011 20:01 | 10.97  | 47.00  | 30.44        |         | 7.97 | 2.1               | 2.45            |     |
| 892      | 1/30/2011 20:16 | 10.92  | 47.20  | 30.58        |         | 7.97 | 2.3               | 2.54            |     |
| 893      | 1/30/2011 20:31 | 10.85  | 47.33  | 30.67        |         | 7.97 | 2.3               | 2.62            |     |
| 894      | 1/30/2011 20:46 | 10.82  | 47.62  | 30.88        |         | 7.97 | 2.1               | 2.69            |     |
| 895      | 1/30/2011 21:01 | 10.78  | 47.75  | 30.96        |         | 7.96 | 2.3               | 2.77            |     |
| 896      | 1/30/2011 21:16 | 10.74  | 47.84  | 31.03        |         | 7.96 | 2.6               | 2.83            |     |
| 897      | 1/30/2011 21:31 | 10.71  | 47.94  | 31.10        |         | 7.96 | 2.4               | 2.88            |     |
| 898      | 1/30/2011 21:46 | 10.68  | 48.07  | 31.19        |         | 7.96 | 2.1               | 2.98            |     |
| 899      | 1/30/2011 22:01 | 10.59  | 48.46  | 31.47        |         | 7.96 | 2.6               | 2.99            |     |
| 900      | 1/30/2011 22:16 | 10.55  | 48.62  | 31.58        |         | 7.96 | 1.8               | 3.05            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 901      | 1/30/2011 22:31 | 10.52  | 48.73  | 31.66        |         | 7.96 | 1.6               | 3.10            |     |
| 902      | 1/30/2011 22:46 | 10.51  | 48.77  | 31.69        |         | 7.96 | 1.0               | 3.11            |     |
| 903      | 1/30/2011 23:01 | 10.57  | 48.51  | 31.50        |         | 7.96 | 2.0               | 3.11            |     |
| 904      | 1/30/2011 23:16 | 10.50  | 48.79  | 31.70        |         | 7.96 | 1.8               | 3.11            |     |
| 905      | 1/30/2011 23:31 | 10.51  | 48.77  | 31.68        |         | 7.96 | 1.7               | 3.08            |     |
| 906      | 1/30/2011 23:46 | 10.53  | 48.09  | 31.20        |         | 7.96 | 1.8               | 3.03            |     |
| 907      | 1/31/2011 0:01  | 10.62  | 47.31  | 30.64        |         | 7.96 | 1.9               | 2.98            |     |
| 908      | 1/31/2011 0:16  | 10.69  | 47.71  | 30.93        |         | 7.96 | 2.4               | 2.92            |     |
| 909      | 1/31/2011 0:31  | 10.66  | 47.67  | 30.90        |         | 7.96 | 2.1               | 2.85            |     |
| 910      | 1/31/2011 0:46  | 10.67  | 47.60  | 30.85        |         | 7.96 | 1.6               | 2.79            |     |
| 911      | 1/31/2011 1:01  | 10.67  | 47.57  | 30.83        |         | 7.97 | 1.5               | 2.72            |     |
| 912      | 1/31/2011 1:16  | 10.69  | 47.51  | 30.79        |         | 7.96 | 1.4               | 2.66            |     |
| 913      | 1/31/2011 1:31  | 10.70  | 47.43  | 30.73        |         | 7.96 | 1.3               | 2.59            |     |
| 914      | 1/31/2011 1:46  | 10.65  | 47.10  | 30.49        |         | 7.95 | 1.3               | 2.54            |     |
| 915      | 1/31/2011 2:01  | 10.66  | 46.99  | 30.42        |         | 7.97 | 1.3               | 2.49            |     |
| 916      | 1/31/2011 2:16  | 10.63  | 47.16  | 30.53        |         | 7.95 | 1.1               | 2.45            |     |
| 917      | 1/31/2011 2:31  | 10.71  | 46.93  | 30.37        |         | 7.96 | 0.7               | 2.41            |     |
| 918      | 1/31/2011 2:46  | 10.72  | 46.53  | 30.09        |         | 7.97 | 0.5               | 2.38            |     |
| 919      | 1/31/2011 3:01  | 10.73  | 46.77  | 30.26        |         | 7.97 | 0.2               | 2.36            |     |
| 920      | 1/31/2011 3:16  | 10.75  | 46.67  | 30.19        |         | 7.97 | 0.0               | 2.35            |     |
| 921      | 1/31/2011 3:31  | 10.71  | 47.09  | 30.49        |         | 7.96 | 0.7               | 2.37            |     |
| 922      | 1/31/2011 3:46  | 10.68  | 46.87  | 30.33        |         | 7.97 | 1.3               | 2.38            |     |
| 923      | 1/31/2011 4:01  | 10.65  | 46.85  | 30.31        |         | 7.95 | 1.5               | 2.39            |     |
| 924      | 1/31/2011 4:16  | 10.67  | 47.20  | 30.56        |         | 7.96 | 1.2               | 2.44            |     |
| 925      | 1/31/2011 4:31  | 10.67  | 47.28  | 30.62        |         | 7.96 | 1.8               | 2.50            |     |
| 926      | 1/31/2011 4:46  | 10.65  | 46.89  | 30.34        |         | 7.97 | 1.7               | 2.53            |     |
| 927      | 1/31/2011 5:01  | 10.65  | 47.13  | 30.51        |         | 7.95 | 1.4               | 2.59            |     |
| 928      | 1/31/2011 5:16  | 10.67  | 47.39  | 30.70        |         | 7.96 | 1.7               | 2.66            |     |
| 929      | 1/31/2011 5:31  | 10.65  | 47.68  | 30.91        |         | 7.98 | 1.9               | 2.73            |     |
| 930      | 1/31/2011 5:46  | 10.61  | 47.46  | 30.75        |         | 7.96 | 1.7               | 2.80            |     |
| 931      | 1/31/2011 6:01  | 10.58  | 48.13  | 31.23        |         | 7.94 | 1.8               | 2.86            |     |
| 932      | 1/31/2011 6:16  | 10.57  | 48.00  | 31.13        |         | 7.96 | 2.1               | 2.95            |     |
| 933      | 1/31/2011 6:31  | 10.53  | 47.58  | 30.83        |         | 7.88 | 2.2               | 3.01            |     |
| 934      | 1/31/2011 6:46  | 10.50  | 48.22  | 31.29        |         | 8.07 | 2.4               | 3.08            |     |
| 935      | 1/31/2011 7:01  | 10.45  | 48.71  | 31.64        |         | 7.95 | 2.9               | 3.17            |     |
| 936      | 1/31/2011 7:16  | 10.41  | 48.83  | 31.72        |         | 7.95 | 2.8               | 3.24            |     |
| 937      | 1/31/2011 7:31  | 10.34  | 48.87  | 31.75        |         | 7.95 | 3.4               | 3.32            |     |
| 938      | 1/31/2011 7:46  | 10.26  | 49.12  | 31.92        |         | 7.97 | 4.0               | 3.41            |     |
| 939      | 1/31/2011 8:01  | 10.19  | 49.26  | 32.02        |         | 7.95 | 4.2               | 3.47            |     |
| 940      | 1/31/2011 8:16  | 10.15  | 49.36  | 32.09        |         | 7.95 | 3.5               | 3.54            |     |
| 941      | 1/31/2011 8:31  | 10.12  | 49.01  | 31.83        |         | 7.95 | 3.4               | 3.61            |     |
| 942      | 1/31/2011 8:46  | 10.09  | 49.15  | 31.94        |         | 7.95 | 3.1               | 3.67            |     |
| 943      | 1/31/2011 9:01  | 10.07  | 49.14  | 31.92        |         | 8.07 | 2.6               | 3.71            |     |
| 944      | 1/31/2011 9:16  | 10.05  | 49.29  | 32.03        |         | 7.95 | 2.0               | 3.76            |     |
| 945      | 1/31/2011 9:31  | 10.05  | 49.33  | 32.06        |         | 7.97 | 2.1               | 3.77            |     |
| 946      | 1/31/2011 9:46  | 10.11  | 49.09  | 31.89        |         | 7.95 | 1.9               | 3.76            |     |
| 947      | 1/31/2011 10:01 | 10.04  | 49.19  | 31.96        |         | 7.97 | 2.5               | 3.74            |     |
| 948      | 1/31/2011 10:16 | 10.05  | 49.23  | 31.99        |         | 7.95 | 2.3               | 3.72            |     |
| 949      | 1/31/2011 10:31 | 10.37  | 48.79  | 31.69        |         | 7.95 | 1.6               | 3.63            |     |
| 950      | 1/31/2011 10:46 | 10.40  | 48.85  | 31.74        |         | 7.96 | 2.0               | 3.55            |     |
| 951      | 1/31/2011 11:01 | 10.43  | 48.59  | 31.55        |         | 7.95 | 1.7               | 3.47            |     |
| 952      | 1/31/2011 11:16 | 10.31  | 48.65  | 31.58        |         | 7.95 | 3.0               | 3.37            |     |
| 953      | 1/31/2011 11:31 | 10.46  | 48.29  | 31.33        |         | 7.97 | 3.5               | 3.25            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 954      | 1/31/2011 11:46 | 10.49  | 48.27  | 31.32        |         | 7.98 | 1.8               | 3.16            |     |
| 955      | 1/31/2011 12:01 | 10.54  | 48.26  | 31.32        |         | 7.99 | 2.0               | 3.05            |     |
| 956      | 1/31/2011 12:16 | 10.57  | 48.24  | 31.31        |         | 7.98 | 1.3               | 2.92            |     |
| 957      | 1/31/2011 12:31 | 10.63  | 48.20  | 31.28        |         | 7.99 | 2.0               | 2.80            |     |
| 958      | 1/31/2011 12:46 | 10.69  | 48.06  | 31.18        |         | 7.97 | 2.6               | 2.66            |     |
| 959      | 1/31/2011 13:01 | 10.76  | 48.21  | 31.30        |         | 8.00 | 2.1               | 2.54            |     |
| 960      | 1/31/2011 13:16 | 10.85  | 47.87  | 31.06        |         | 7.98 | 2.3               | 2.39            |     |
| 961      | 1/31/2011 13:31 | 10.94  | 47.56  | 30.84        |         | 8.01 | 2.6               | 2.27            |     |
| 962      | 1/31/2011 13:46 | 11.12  | 47.58  | 30.86        |         | 8.01 | 2.8               | 2.13            |     |
| 963      | 1/31/2011 14:01 | 11.15  | 47.28  | 30.65        |         | 8.01 | 2.4               | 1.96            |     |
| 964      | 1/31/2011 14:16 | 11.21  | 47.12  | 30.53        |         | 8.02 | 2.4               | 1.83            |     |
| 965      | 1/31/2011 14:31 | 11.27  | 47.01  | 30.46        |         | 8.03 | 2.3               | 1.71            |     |
| 966      | 1/31/2011 14:46 | 11.25  | 46.47  | 30.07        |         | 8.15 | 1.3               | 1.55            |     |
| 967      | 1/31/2011 15:01 | 11.26  | 46.65  | 30.20        |         | 8.03 | 1.3               | 1.42            |     |
| 968      | 1/31/2011 15:16 | 11.29  | 46.45  | 30.06        |         | 8.04 | 1.3               | 1.32            |     |
| 969      | 1/31/2011 15:31 | 11.32  | 46.36  | 30.00        |         | 8.04 | 1.4               | 1.21            |     |
| 970      | 1/31/2011 15:46 | 11.38  | 46.35  | 29.99        |         | 8.05 | 1.5               | 1.13            |     |
| 971      | 1/31/2011 16:01 | 11.40  | 46.30  | 29.95        |         | 8.06 | 2.0               | 1.09            |     |
| 972      | 1/31/2011 16:16 | 11.40  | 46.25  | 29.92        |         | 8.05 | 1.7               | 1.10            |     |
| 973      | 1/31/2011 16:31 | 11.34  | 46.26  | 29.92        |         | 8.05 | 0.5               | 1.11            |     |
| 974      | 1/31/2011 16:46 | 11.32  | 46.42  | 30.03        |         | 8.04 | 0.6               | 1.18            |     |
| 975      | 1/31/2011 17:01 | 11.28  | 46.26  | 29.92        |         | 8.04 | 0.6               | 1.24            |     |
| 976      | 1/31/2011 17:16 | 11.25  | 46.39  | 30.01        |         | 8.16 | 0.7               | 1.30            |     |
| 977      | 1/31/2011 17:31 | 11.22  | 46.46  | 30.06        |         | 8.06 | 1.0               | 1.36            |     |
| 978      | 1/31/2011 17:46 | 11.17  | 45.92  | 29.68        |         | 8.03 | 1.2               | 1.44            |     |
| 979      | 1/31/2011 18:01 | 11.14  | 45.73  | 29.54        |         | 8.03 | 1.9               | 1.50            |     |
| 980      | 1/31/2011 18:16 | 11.15  | 45.82  | 29.60        |         | 8.03 | 1.5               | 1.56            |     |
| 981      | 1/31/2011 18:31 | 11.16  | 45.84  | 29.62        |         | 8.02 | 1.2               | 1.65            |     |
| 982      | 1/31/2011 18:46 | 11.16  | 45.95  | 29.70        |         | 8.02 | 1.3               | 1.73            |     |
| 983      | 1/31/2011 19:01 | 11.15  | 45.94  | 29.68        |         | 8.02 | 1.4               | 1.80            |     |
| 984      | 1/31/2011 19:16 | 11.08  | 45.72  | 29.53        |         | 8.01 | 1.6               | 1.90            |     |
| 985      | 1/31/2011 19:31 | 11.06  | 46.03  | 29.75        |         | 8.00 | 2.0               | 2.00            |     |
| 986      | 1/31/2011 19:46 | 10.96  | 46.86  | 30.34        |         | 8.01 | 1.6               | 2.10            |     |
| 987      | 1/31/2011 20:01 | 10.91  | 46.83  | 30.31        |         | 7.96 | 1.8               | 2.20            |     |
| 988      | 1/31/2011 20:16 | 10.88  | 46.83  | 30.31        |         | 7.96 | 2.1               | 2.31            |     |
| 989      | 1/31/2011 20:31 | 10.86  | 46.96  | 30.40        |         | 7.96 | 2.8               | 2.40            |     |
| 990      | 1/31/2011 20:46 | 10.83  | 47.02  | 30.44        |         | 8.09 | 2.6               | 2.49            |     |
| 991      | 1/31/2011 21:01 | 10.79  | 47.20  | 30.57        |         | 8.08 | 2.6               | 2.58            |     |
| 992      | 1/31/2011 21:16 | 10.76  | 47.30  | 30.64        |         | 8.08 | 2.6               | 2.66            |     |
| 993      | 1/31/2011 21:31 | 10.72  | 47.39  | 30.70        |         | 7.94 | 2.6               | 2.75            |     |
| 994      | 1/31/2011 21:46 | 10.65  | 47.58  | 30.84        |         | 7.94 | 4.1               | 2.81            |     |
| 995      | 1/31/2011 22:01 | 10.62  | 47.75  | 30.95        |         | 7.94 | 2.9               | 2.88            |     |
| 996      | 1/31/2011 22:16 | 10.57  | 47.84  | 31.02        |         | 8.07 | 3.1               | 2.95            |     |
| 997      | 1/31/2011 22:31 | 10.47  | 48.36  | 31.38        |         | 8.07 | 3.1               | 3.01            |     |
| 998      | 1/31/2011 22:46 | 10.43  | 48.49  | 31.48        |         | 7.93 | 2.9               | 3.05            |     |
| 999      | 1/31/2011 23:01 | 10.41  | 48.57  | 31.54        |         | 7.94 | 2.5               | 3.11            |     |
| 1000     | 1/31/2011 23:16 | 10.40  | 48.61  | 31.56        |         | 7.94 | 1.5               | 3.13            |     |
| 1001     | 1/31/2011 23:31 | 10.39  | 48.47  | 31.46        |         | 7.94 | 0.7               | 3.15            |     |
| 1002     | 1/31/2011 23:46 | 10.44  | 48.33  | 31.37        |         | 8.07 | 1.8               | 3.16            |     |
| 1003     | 2/1/2011 0:01   | 10.38  | 48.46  | 31.46        |         | 8.07 | 1.6               | 3.14            |     |
| 1004     | 2/1/2011 0:16   | 10.43  | 48.73  | 31.65        |         | 7.93 | 1.8               | 3.09            |     |
| 1005     | 2/1/2011 0:31   | 10.54  | 48.08  | 31.19        |         | 7.94 | 1.9               | 3.04            |     |
| 1006     | 2/1/2011 0:46   | 10.62  | 47.85  | 31.03        |         | 7.94 | 2.7               | 2.98            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 1007     | 2/1/2011 1:01  | 10.65  | 47.81  | 31.00        |         | 7.94 | 3.3               | 2.90            |     |
| 1008     | 2/1/2011 1:16  | 10.67  | 47.33  | 30.66        |         | 7.94 | 2.1               | 2.83            |     |
| 1009     | 2/1/2011 1:31  | 10.66  | 47.24  | 30.59        |         | 8.07 | 2.0               | 2.75            |     |
| 1010     | 2/1/2011 1:46  | 10.66  | 47.38  | 30.70        |         | 7.93 | 2.0               | 2.68            |     |
| 1011     | 2/1/2011 2:01  | 10.66  | 47.60  | 30.85        |         | 7.93 | 1.6               | 2.60            |     |
| 1012     | 2/1/2011 2:16  | 10.69  | 47.21  | 30.57        |         | 7.94 | 1.6               | 2.53            |     |
| 1013     | 2/1/2011 2:31  | 10.71  | 47.23  | 30.59        |         | 7.94 | 1.5               | 2.47            |     |
| 1014     | 2/1/2011 2:46  | 10.73  | 46.85  | 30.31        |         | 7.99 | 1.3               | 2.41            |     |
| 1015     | 2/1/2011 3:01  | 10.71  | 46.67  | 30.19        |         | 8.07 | 1.0               | 2.35            |     |
| 1016     | 2/1/2011 3:16  | 10.72  | 46.60  | 30.14        |         | 8.07 | 1.0               | 2.32            |     |
| 1017     | 2/1/2011 3:31  | 10.77  | 46.43  | 30.02        |         | 8.08 | 0.6               | 2.27            |     |
| 1018     | 2/1/2011 3:46  | 10.76  | 46.21  | 29.86        |         | 8.08 | 0.4               | 2.24            |     |
| 1019     | 2/1/2011 4:01  | 10.76  | 46.29  | 29.92        |         | 7.96 | 0.1               | 2.23            |     |
| 1020     | 2/1/2011 4:16  | 10.74  | 46.77  | 30.26        |         | 7.94 | 0.0               | 2.24            |     |
| 1021     | 2/1/2011 4:31  | 10.73  | 46.56  | 30.11        |         | 7.93 | 0.6               | 2.24            |     |
| 1022     | 2/1/2011 4:46  | 10.71  | 46.99  | 30.41        |         | 7.94 | 0.9               | 2.26            |     |
| 1023     | 2/1/2011 5:01  | 10.68  | 46.51  | 30.07        |         | 7.93 | 1.1               | 2.32            |     |
| 1024     | 2/1/2011 5:16  | 10.67  | 46.73  | 30.22        |         | 7.93 | 1.3               | 2.37            |     |
| 1025     | 2/1/2011 5:31  | 10.65  | 46.55  | 30.10        |         | 8.08 | 1.6               | 2.43            |     |
| 1026     | 2/1/2011 5:46  | 10.65  | 46.57  | 30.11        |         | 8.07 | 1.4               | 2.49            |     |
| 1027     | 2/1/2011 6:01  | 10.67  | 46.91  | 30.36        |         | 7.93 | 1.3               | 2.56            |     |
| 1028     | 2/1/2011 6:16  | 10.65  | 47.15  | 30.53        |         | 7.98 | 1.5               | 2.64            |     |
| 1029     | 2/1/2011 6:31  | 10.60  | 47.36  | 30.67        |         | 7.98 | 1.7               | 2.70            |     |
| 1030     | 2/1/2011 6:46  | 10.55  | 47.59  | 30.84        |         | 8.06 | 1.5               | 2.77            |     |
| 1031     | 2/1/2011 7:01  | 10.52  | 47.90  | 31.06        |         | 7.98 | 2.2               | 2.84            |     |
| 1032     | 2/1/2011 7:16  | 10.46  | 47.97  | 31.11        |         | 7.93 | 2.3               | 2.92            |     |
| 1033     | 2/1/2011 7:31  | 10.43  | 48.21  | 31.28        |         | 7.93 | 2.1               | 2.99            |     |
| 1034     | 2/1/2011 7:46  | 10.40  | 48.30  | 31.34        |         | 8.07 | 2.8               | 3.07            |     |
| 1035     | 2/1/2011 8:01  | 10.33  | 48.60  | 31.55        |         | 7.98 | 3.3               | 3.15            |     |
| 1036     | 2/1/2011 8:16  | 10.26  | 48.95  | 31.80        |         | 7.92 | 4.0               | 3.23            |     |
| 1037     | 2/1/2011 8:31  | 10.19  | 49.14  | 31.94        |         | 7.98 | 3.7               | 3.32            |     |
| 1038     | 2/1/2011 8:46  | 10.11  | 49.35  | 32.08        |         | 7.98 | 3.2               | 3.39            |     |
| 1039     | 2/1/2011 9:01  | 10.08  | 49.46  | 32.15        |         | 7.98 | 3.2               | 3.46            |     |
| 1040     | 2/1/2011 9:16  | 10.05  | 49.59  | 32.25        |         | 7.98 | 3.2               | 3.55            |     |
| 1041     | 2/1/2011 9:31  | 10.02  | 49.37  | 32.09        |         | 7.91 | 2.7               | 3.60            |     |
| 1042     | 2/1/2011 9:46  | 10.00  | 49.79  | 32.39        |         | 7.92 | 1.6               | 3.65            |     |
| 1043     | 2/1/2011 10:01 | 9.99   | 49.00  | 31.82        |         | 8.06 | 1.6               | 3.70            |     |
| 1044     | 2/1/2011 10:16 | 9.98   | 49.87  | 32.44        |         | 8.05 | 1.2               | 3.72            |     |
| 1045     | 2/1/2011 10:31 | 10.05  | 49.67  | 32.31        |         | 7.98 | 2.1               | 3.73            |     |
| 1046     | 2/1/2011 10:46 | 10.01  | 49.82  | 32.41        |         | 7.97 | 2.1               | 3.72            |     |
| 1047     | 2/1/2011 11:01 | 9.99   | 49.62  | 32.27        |         | 7.91 | 2.3               | 3.68            |     |
| 1048     | 2/1/2011 11:16 | 10.57  | 48.53  | 31.51        |         | 8.08 | 3.1               | 3.62            |     |
| 1049     | 2/1/2011 11:31 | 10.57  | 48.99  | 31.85        |         | 7.94 | 1.9               | 3.55            |     |
| 1050     | 2/1/2011 11:46 | 10.58  | 48.95  | 31.82        |         | 7.94 | 2.0               | 3.45            |     |
| 1051     | 2/1/2011 12:01 | 10.36  | 49.09  | 31.91        |         | 7.93 | 3.2               | 3.35            |     |
| 1052     | 2/1/2011 12:16 | 10.70  | 48.71  | 31.65        |         | 8.01 | 1.4               | 3.24            |     |
| 1053     | 2/1/2011 12:31 | 10.81  | 48.33  | 31.39        |         | 7.95 | 3.3               | 3.13            |     |
| 1054     | 2/1/2011 12:46 | 10.90  | 48.29  | 31.36        |         | 8.01 | 1.6               | 3.01            |     |
| 1055     | 2/1/2011 13:01 | 11.00  | 48.24  | 31.33        |         | 7.96 | 0.9               | 2.89            |     |
| 1056     | 2/1/2011 13:16 | 11.07  | 48.29  | 31.37        |         | 7.97 | 0.9               | 2.76            |     |
| 1057     | 2/1/2011 13:31 | 11.07  | 48.16  | 31.27        |         | 7.97 | 1.9               | 2.63            |     |
| 1058     | 2/1/2011 13:46 | 11.15  | 48.04  | 31.20        |         | 7.98 | 2.0               | 2.50            |     |
| 1059     | 2/1/2011 14:01 | 11.19  | 47.26  | 30.64        |         | 8.12 | 2.1               | 2.37            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 1060     | 2/1/2011 14:16 | 11.31  | 47.54  | 30.84        |         | 7.99 | 1.3               | 2.24            |     |
| 1061     | 2/1/2011 14:31 | 11.38  | 47.51  | 30.83        |         | 8.13 | 1.6               | 2.09            |     |
| 1062     | 2/1/2011 14:46 | 11.47  | 47.06  | 30.50        |         | 8.02 | 1.7               | 1.94            |     |
| 1063     | 2/1/2011 15:01 | 11.49  | 46.99  | 30.45        |         | 8.03 | 2.0               | 1.81            |     |
| 1064     | 2/1/2011 15:16 | 11.58  | 46.84  | 30.35        |         | 8.04 | 1.7               | 1.66            |     |
| 1065     | 2/1/2011 15:31 | 11.58  | 46.73  | 30.27        |         | 8.17 | 1.7               | 1.51            |     |
| 1066     | 2/1/2011 15:46 | 11.54  | 46.62  | 30.19        |         | 8.04 | 1.0               | 1.41            |     |
| 1067     | 2/1/2011 16:01 | 11.60  | 46.66  | 30.22        |         | 8.04 | 1.2               | 1.28            |     |
| 1068     | 2/1/2011 16:16 | 11.68  | 46.32  | 29.99        |         | 8.19 | 1.1               | 1.17            |     |
| 1069     | 2/1/2011 16:31 | 11.74  | 46.13  | 29.85        |         | 8.07 | 0.9               | 1.12            |     |
| 1070     | 2/1/2011 16:46 | 11.75  | 46.32  | 29.99        |         | 8.07 | 0.6               | 1.06            |     |
| 1071     | 2/1/2011 17:01 | 11.71  | 46.37  | 30.02        |         | 8.06 | 0.7               | 1.08            |     |
| 1072     | 2/1/2011 17:16 | 11.67  | 46.26  | 29.94        |         | 8.05 | 0.5               | 1.13            |     |
| 1073     | 2/1/2011 17:31 | 11.63  | 46.40  | 30.04        |         | 8.05 | 0.4               | 1.18            |     |
| 1074     | 2/1/2011 17:46 | 11.59  | 46.42  | 30.05        |         | 8.05 | 0.4               | 1.26            |     |
| 1075     | 2/1/2011 18:01 | 11.55  | 46.41  | 30.04        |         | 8.05 | 0.5               | 1.32            |     |
| 1076     | 2/1/2011 18:16 | 11.54  | 46.15  | 29.86        |         | 8.04 | 0.5               | 1.39            |     |
| 1077     | 2/1/2011 18:31 | 11.53  | 46.10  | 29.82        |         | 8.04 | 1.1               | 1.48            |     |
| 1078     | 2/1/2011 18:46 | 11.49  | 45.14  | 29.13        |         | 8.03 | 2.4               | 1.56            |     |
| 1079     | 2/1/2011 19:01 | 11.53  | 45.97  | 29.72        |         | 8.03 | 1.2               | 1.63            |     |
| 1080     | 2/1/2011 19:16 | 11.52  | 46.08  | 29.80        |         | 8.03 | 1.4               | 1.70            |     |
| 1081     | 2/1/2011 19:31 | 11.51  | 46.03  | 29.77        |         | 8.02 | 1.2               | 1.79            |     |
| 1082     | 2/1/2011 19:46 | 11.47  | 46.26  | 29.93        |         | 8.02 | 1.1               | 1.88            |     |
| 1083     | 2/1/2011 20:01 | 11.34  | 46.63  | 30.19        |         | 8.00 | 1.5               | 1.98            |     |
| 1084     | 2/1/2011 20:16 | 11.24  | 46.78  | 30.29        |         | 7.98 | 1.6               | 2.08            |     |
| 1085     | 2/1/2011 20:31 | 11.17  | 46.81  | 30.31        |         | 7.98 | 1.5               | 2.19            |     |
| 1086     | 2/1/2011 20:46 | 11.10  | 47.08  | 30.50        |         | 7.96 | 2.1               | 2.30            |     |
| 1087     | 2/1/2011 21:01 | 11.08  | 47.24  | 30.62        |         | 7.96 | 2.1               | 2.39            |     |
| 1088     | 2/1/2011 21:16 | 11.04  | 47.37  | 30.70        |         | 8.01 | 2.5               | 2.49            |     |
| 1089     | 2/1/2011 21:31 | 10.99  | 47.52  | 30.81        |         | 7.95 | 2.4               | 2.58            |     |
| 1090     | 2/1/2011 21:46 | 10.96  | 47.48  | 30.78        |         | 8.09 | 2.8               | 2.67            |     |
| 1091     | 2/1/2011 22:01 | 10.85  | 47.80  | 31.01        |         | 7.94 | 4.1               | 2.74            |     |
| 1092     | 2/1/2011 22:16 | 10.80  | 47.91  | 31.08        |         | 8.00 | 3.7               | 2.83            |     |
| 1093     | 2/1/2011 22:31 | 10.75  | 48.03  | 31.17        |         | 8.07 | 3.4               | 2.92            |     |
| 1094     | 2/1/2011 22:46 | 10.63  | 48.68  | 31.63        |         | 7.93 | 3.7               | 2.98            |     |
| 1095     | 2/1/2011 23:01 | 10.49  | 48.72  | 31.65        |         | 7.92 | 3.4               | 3.06            |     |
| 1096     | 2/1/2011 23:16 | 10.46  | 49.23  | 32.01        |         | 7.92 | 2.9               | 3.12            |     |
| 1097     | 2/1/2011 23:31 | 10.44  | 49.33  | 32.09        |         | 7.99 | 2.4               | 3.18            |     |
| 1098     | 2/1/2011 23:46 | 10.43  | 49.37  | 32.11        |         | 7.99 | 1.3               | 3.21            |     |
| 1099     | 2/2/2011 0:01  | 10.42  | 49.39  | 32.12        |         | 7.93 | 1.0               | 3.25            |     |
| 1100     | 2/2/2011 0:16  | 10.47  | 49.19  | 31.98        |         | 7.93 | 2.1               | 3.26            |     |
| 1101     | 2/2/2011 0:31  | 10.44  | 49.28  | 32.05        |         | 7.99 | 1.5               | 3.23            |     |
| 1102     | 2/2/2011 0:46  | 10.42  | 49.34  | 32.09        |         | 7.99 | 1.7               | 3.20            |     |
| 1103     | 2/2/2011 1:01  | 10.47  | 48.06  | 31.17        |         | 7.94 | 1.7               | 3.13            |     |
| 1104     | 2/2/2011 1:16  | 10.58  | 47.91  | 31.07        |         | 7.94 | 1.6               | 3.07            |     |
| 1105     | 2/2/2011 1:31  | 10.59  | 48.18  | 31.26        |         | 8.00 | 2.6               | 2.99            |     |
| 1106     | 2/2/2011 1:46  | 10.64  | 48.14  | 31.24        |         | 8.00 | 2.3               | 2.90            |     |
| 1107     | 2/2/2011 2:01  | 10.62  | 48.09  | 31.20        |         | 8.00 | 1.8               | 2.82            |     |
| 1108     | 2/2/2011 2:16  | 10.59  | 48.09  | 31.20        |         | 7.93 | 1.6               | 2.75            |     |
| 1109     | 2/2/2011 2:31  | 10.60  | 47.95  | 31.10        |         | 7.93 | 1.6               | 2.66            |     |
| 1110     | 2/2/2011 2:46  | 10.59  | 47.77  | 30.97        |         | 7.94 | 1.2               | 2.59            |     |
| 1111     | 2/2/2011 3:01  | 10.58  | 47.66  | 30.89        |         | 8.01 | 1.2               | 2.51            |     |
| 1112     | 2/2/2011 3:16  | 10.55  | 47.57  | 30.82        |         | 8.01 | 1.0               | 2.43            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 1113     | 2/2/2011 3:31  | 10.66  | 47.28  | 30.62        |         | 8.02 | 0.4               | 2.38            |     |
| 1114     | 2/2/2011 3:46  | 10.64  | 47.14  | 30.52        |         | 7.96 | 0.7               | 2.32            |     |
| 1115     | 2/2/2011 4:01  | 10.67  | 46.95  | 30.38        |         | 7.96 | 0.3               | 2.27            |     |
| 1116     | 2/2/2011 4:16  | 10.67  | 46.83  | 30.30        |         | 8.03 | 0.1               | 2.23            |     |
| 1117     | 2/2/2011 4:31  | 10.68  | 46.78  | 30.26        |         | 8.04 | 0.1               | 2.20            |     |
| 1118     | 2/2/2011 4:46  | 10.61  | 46.64  | 30.16        |         | 8.04 | 0.1               | 2.18            |     |
| 1119     | 2/2/2011 5:01  | 10.58  | 46.70  | 30.20        |         | 8.03 | 0.0               | 2.19            |     |
| 1120     | 2/2/2011 5:16  | 10.63  | 46.93  | 30.37        |         | 8.02 | 0.4               | 2.18            |     |
| 1121     | 2/2/2011 5:31  | 10.59  | 47.10  | 30.49        |         | 8.02 | 0.5               | 2.21            |     |
| 1122     | 2/2/2011 5:46  | 10.62  | 47.18  | 30.54        |         | 8.02 | 0.6               | 2.27            |     |
| 1123     | 2/2/2011 6:01  | 10.52  | 47.19  | 30.55        |         | 8.02 | 1.0               | 2.32            |     |
| 1124     | 2/2/2011 6:16  | 10.48  | 47.07  | 30.46        |         | 8.02 | 1.0               | 2.37            |     |
| 1125     | 2/2/2011 6:31  | 10.51  | 47.17  | 30.54        |         | 8.02 | 0.9               | 2.46            |     |
| 1126     | 2/2/2011 6:46  | 10.56  | 47.40  | 30.70        |         | 7.94 | 1.3               | 2.53            |     |
| 1127     | 2/2/2011 7:01  | 10.56  | 47.68  | 30.90        |         | 7.93 | 1.3               | 2.60            |     |
| 1128     | 2/2/2011 7:16  | 10.53  | 47.97  | 31.11        |         | 7.93 | 1.3               | 2.67            |     |
| 1129     | 2/2/2011 7:31  | 10.52  | 48.13  | 31.22        |         | 8.00 | 1.3               | 2.74            |     |
| 1130     | 2/2/2011 7:46  | 10.51  | 48.30  | 31.35        |         | 8.00 | 1.4               | 2.83            |     |
| 1131     | 2/2/2011 8:01  | 10.49  | 48.48  | 31.47        |         | 8.00 | 1.5               | 2.90            |     |
| 1132     | 2/2/2011 8:16  | 10.47  | 48.59  | 31.55        |         | 8.00 | 1.5               | 2.98            |     |
| 1133     | 2/2/2011 8:31  | 10.40  | 48.79  | 31.69        |         | 7.92 | 2.3               | 3.07            |     |
| 1134     | 2/2/2011 8:46  | 10.31  | 49.00  | 31.84        |         | 7.99 | 2.6               | 3.15            |     |
| 1135     | 2/2/2011 9:01  | 10.24  | 49.17  | 31.96        |         | 7.99 | 3.5               | 3.24            |     |
| 1136     | 2/2/2011 9:16  | 10.14  | 49.41  | 32.12        |         | 7.99 | 3.4               | 3.32            |     |
| 1137     | 2/2/2011 9:31  | 10.08  | 49.07  | 31.88        |         | 7.91 | 2.9               | 3.41            |     |
| 1138     | 2/2/2011 9:46  | 10.03  | 49.68  | 32.31        |         | 7.91 | 3.0               | 3.48            |     |
| 1139     | 2/2/2011 10:01 | 9.96   | 49.38  | 32.09        |         | 7.91 | 2.5               | 3.56            |     |
| 1140     | 2/2/2011 10:16 | 9.91   | 49.98  | 32.52        |         | 7.91 | 2.6               | 3.63            |     |
| 1141     | 2/2/2011 10:31 | 9.87   | 50.10  | 32.61        |         | 7.98 | 1.6               | 3.68            |     |
| 1142     | 2/2/2011 10:46 | 9.86   | 50.14  | 32.64        |         | 7.91 | 1.0               | 3.72            |     |
| 1143     | 2/2/2011 11:01 | 9.82   | 50.20  | 32.68        |         | 7.98 | 0.2               | 3.75            |     |
| 1144     | 2/2/2011 11:16 | 9.93   | 50.00  | 32.53        |         | 7.99 | 1.5               | 3.76            |     |
| 1145     | 2/2/2011 11:31 | 9.86   | 50.17  | 32.65        |         | 7.98 | 1.8               | 3.73            |     |
| 1146     | 2/2/2011 11:46 | 9.84   | 49.82  | 32.40        |         | 7.91 | 1.8               | 3.68            |     |
| 1147     | 2/2/2011 12:01 | 10.29  | 49.22  | 31.99        |         | 7.93 | 2.0               | 3.62            |     |
| 1148     | 2/2/2011 12:16 | 10.51  | 49.40  | 32.14        |         | 7.95 | 1.3               | 3.54            |     |
| 1149     | 2/2/2011 12:31 | 10.58  | 48.87  | 31.76        |         | 8.01 | 2.6               | 3.43            |     |
| 1150     | 2/2/2011 12:46 | 10.58  | 49.16  | 31.97        |         | 7.95 | 1.8               | 3.33            |     |
| 1151     | 2/2/2011 13:01 | 10.71  | 48.96  | 31.83        |         | 7.97 | 1.2               | 3.22            |     |
| 1152     | 2/2/2011 13:16 | 10.81  | 48.79  | 31.72        |         | 7.97 | 0.6               | 3.11            |     |
| 1153     | 2/2/2011 13:31 | 10.80  | 48.85  | 31.76        |         | 8.04 | 0.4               | 3.00            |     |
| 1154     | 2/2/2011 13:46 | 10.80  | 48.83  | 31.74        |         | 7.97 | 0.9               | 2.86            |     |
| 1155     | 2/2/2011 14:01 | 10.88  | 48.45  | 31.48        |         | 8.04 | 2.7               | 2.75            |     |
| 1156     | 2/2/2011 14:16 | 10.97  | 47.89  | 31.08        |         | 7.98 | 2.3               | 2.63            |     |
| 1157     | 2/2/2011 14:31 | 11.01  | 47.61  | 30.88        |         | 8.12 | 1.1               | 2.50            |     |
| 1158     | 2/2/2011 14:46 | 11.06  | 47.57  | 30.85        |         | 8.13 | 1.5               | 2.34            |     |
| 1159     | 2/2/2011 15:01 | 11.13  | 47.07  | 30.50        |         | 7.95 | 1.1               | 2.21            |     |
| 1160     | 2/2/2011 15:16 | 11.16  | 47.54  | 30.83        |         | 8.02 | 1.5               | 2.09            |     |
| 1161     | 2/2/2011 15:31 | 11.24  | 47.50  | 30.81        |         | 8.04 | 1.3               | 1.92            |     |
| 1162     | 2/2/2011 15:46 | 11.30  | 47.15  | 30.56        |         | 8.11 | 2.3               | 1.76            |     |
| 1163     | 2/2/2011 16:01 | 11.28  | 46.96  | 30.43        |         | 8.11 | 1.5               | 1.65            |     |
| 1164     | 2/2/2011 16:16 | 11.30  | 46.92  | 30.39        |         | 8.11 | 1.0               | 1.52            |     |
| 1165     | 2/2/2011 16:31 | 11.33  | 46.78  | 30.30        |         | 8.12 | 1.1               | 1.39            |     |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 1166     | 2/2/2011 16:46 | 11.37  | 46.66  | 30.21        |         | 8.06 | 1.0               | 1.28            |     |
| 1167     | 2/2/2011 17:01 | 11.38  | 46.62  | 30.19        |         | 8.07 | 1.3               | 1.20            |     |
| 1168     | 2/2/2011 17:16 | 11.37  | 46.48  | 30.09        |         | 8.13 | 0.9               | 1.16            |     |
| 1169     | 2/2/2011 17:31 | 11.34  | 46.72  | 30.26        |         | 8.06 | 1.3               | 1.13            |     |
| 1170     | 2/2/2011 17:46 | 11.35  | 46.56  | 30.14        |         | 8.07 | 1.1               | 1.15            |     |
| 1171     | 2/2/2011 18:01 | 11.34  | 46.61  | 30.18        |         | 8.06 | 0.5               | 1.22            |     |
| 1172     | 2/2/2011 18:16 | 11.30  | 46.61  | 30.17        |         | 8.06 | 0.7               | 1.28            |     |
| 1173     | 2/2/2011 18:31 | 11.25  | 46.59  | 30.16        |         | 8.06 | 0.9               | 1.35            |     |
| 1174     | 2/2/2011 18:46 | 11.14  | 46.25  | 29.91        |         | 8.05 | 1.9               | 1.43            |     |
| 1175     | 2/2/2011 19:01 | 11.18  | 46.30  | 29.94        |         | 8.05 | 1.3               | 1.51            |     |
| 1176     | 2/2/2011 19:16 | 11.17  | 46.39  | 30.01        |         | 8.05 | 1.5               | 1.58            |     |
| 1177     | 2/2/2011 19:31 | 11.16  | 46.30  | 29.94        |         | 8.04 | 1.3               | 1.67            |     |
| 1178     | 2/2/2011 19:46 | 11.14  | 46.28  | 29.93        |         | 8.04 | 1.3               | 1.74            |     |
| 1179     | 2/2/2011 20:01 | 11.13  | 46.46  | 30.06        |         | 8.04 | 1.0               | 1.84            |     |
| 1180     | 2/2/2011 20:16 | 11.13  | 46.56  | 30.13        |         | 8.03 | 1.0               | 1.93            |     |
| 1181     | 2/2/2011 20:31 | 11.10  | 46.70  | 30.22        |         | 8.02 | 0.8               | 2.03            |     |
| 1182     | 2/2/2011 20:46 | 10.98  | 46.74  | 30.25        |         | 8.01 | 1.7               | 2.12            |     |
| 1183     | 2/2/2011 21:01 | 10.99  | 47.19  | 30.58        |         | 8.06 | 2.0               | 2.24            |     |
| 1184     | 2/2/2011 21:16 | 10.97  | 47.41  | 30.73        |         | 8.05 | 1.7               | 2.34            |     |
| 1185     | 2/2/2011 21:31 | 10.96  | 47.50  | 30.79        |         | 8.04 | 1.9               | 2.44            |     |
| 1186     | 2/2/2011 21:46 | 10.93  | 47.60  | 30.87        |         | 8.04 | 2.0               | 2.55            |     |
| 1187     | 2/2/2011 22:01 | 10.87  | 47.64  | 30.89        |         | 7.96 | 2.1               | 2.64            |     |
| 1188     | 2/2/2011 22:16 | 10.86  | 47.76  | 30.98        |         | 7.96 | 2.6               | 2.72            |     |
| 1189     | 2/2/2011 22:31 | 10.80  | 47.96  | 31.12        |         | 7.95 | 3.1               | 2.81            |     |
| 1190     | 2/2/2011 22:46 | 10.72  | 48.04  | 31.17        |         | 7.95 | 2.7               | 2.87            |     |
| 1191     | 2/2/2011 23:01 | 10.65  | 48.14  | 31.24        |         | 8.08 | 3.1               | 2.96            |     |
| 1192     | 2/2/2011 23:16 | 10.53  | 48.65  | 31.60        |         | 7.94 | 3.6               | 3.03            |     |
| 1193     | 2/2/2011 23:31 | 10.38  | 49.06  | 31.89        |         | 8.00 | 3.2               | 3.11            |     |
| 1194     | 2/2/2011 23:46 | 10.33  | 49.43  | 32.15        |         | 7.93 | 3.1               | 3.18            |     |
| 1195     | 2/3/2011 0:01  | 10.31  | 49.52  | 32.21        |         | 8.00 | 2.5               | 3.24            |     |
| 1196     | 2/3/2011 0:16  | 10.30  | 49.55  | 32.23        |         | 7.93 | 2.1               | 3.29            |     |
| 1197     | 2/3/2011 0:31  | 10.30  | 49.26  | 32.03        |         | 7.93 | 0.9               | 3.31            |     |
| 1198     | 2/3/2011 0:46  | 10.34  | 49.35  | 32.09        |         | 7.94 | 0.9               | 3.33            |     |
| 1199     | 2/3/2011 1:01  | 10.33  | 49.48  | 32.18        |         | 8.00 | 1.3               | 3.33            |     |
| 1200     | 2/3/2011 1:16  | 10.29  | 49.54  | 32.22        |         | 7.93 | 1.5               | 3.29            |     |
| 1201     | 2/3/2011 1:31  | 10.22  | 48.29  | 31.32        |         | 7.95 | 2.1               | 3.24            |     |
| 1202     | 2/3/2011 1:46  | 10.42  | 48.23  | 31.29        |         | 8.01 | 3.0               | 3.18            |     |
| 1203     | 2/3/2011 2:01  | 10.43  | 48.50  | 31.49        |         | 8.01 | 2.1               | 3.10            |     |
| 1204     | 2/3/2011 2:16  | 10.41  | 48.53  | 31.51        |         | 8.01 | 2.1               | 2.99            |     |
| 1205     | 2/3/2011 2:31  | 10.40  | 48.55  | 31.52        |         | 8.01 | 2.2               | 2.91            |     |
| 1206     | 2/3/2011 2:46  | 10.38  | 48.55  | 31.52        |         | 8.01 | 1.6               | 2.83            |     |
| 1207     | 2/3/2011 3:01  | 10.39  | 48.40  | 31.41        |         | 8.02 | 1.7               | 2.74            |     |
| 1208     | 2/3/2011 3:16  | 10.44  | 48.21  | 31.27        |         | 7.94 | 1.3               | 2.65            |     |
| 1209     | 2/3/2011 3:31  | 10.49  | 48.05  | 31.16        |         | 8.02 | 1.0               | 2.57            |     |
| 1210     | 2/3/2011 3:46  | 10.40  | 47.99  | 31.11        |         | 8.02 | 1.2               | 2.48            |     |
| 1211     | 2/3/2011 4:01  | 10.34  | 47.85  | 31.01        |         | 8.03 | 1.2               | 2.40            |     |
| 1212     | 2/3/2011 4:16  | 10.37  | 47.47  | 30.74        |         | 7.97 | 0.7               | 2.33            |     |
| 1213     | 2/3/2011 4:31  | 10.38  | 47.26  | 30.59        |         | 8.05 | 0.4               | 2.28            |     |
| 1214     | 2/3/2011 4:46  | 10.36  | 47.14  | 30.50        |         | 7.97 | 0.2               | 2.21            |     |
| 1215     | 2/3/2011 5:01  | 10.39  | 47.06  | 30.44        |         | 8.05 | 0.2               | 2.17            |     |
| 1216     | 2/3/2011 5:16  | 10.33  | 46.94  | 30.36        |         | 8.06 | 0.0               | 2.14            |     |
| 1217     | 2/3/2011 5:31  | 10.35  | 46.90  | 30.33        |         | 7.98 | 0.0               | 2.12            |     |
| 1218     | 2/3/2011 5:46  | 10.27  | 46.92  | 30.34        |         | 7.98 | 0.0               | 2.10            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO% |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|-----|
|          |                |        | mS/cm  |              | mg/L    |      | NTU        |                 |     |
| 1219     | 2/3/2011 6:01  | 10.25  | 47.03  | 30.42        |         | 7.97 | 0.2        | 2.11            |     |
| 1220     | 2/3/2011 6:16  | 10.27  | 47.14  | 30.50        |         | 7.96 | 0.5        | 2.17            |     |
| 1221     | 2/3/2011 6:31  | 10.30  | 47.25  | 30.58        |         | 8.04 | 0.8        | 2.21            |     |
| 1222     | 2/3/2011 6:46  | 10.32  | 47.10  | 30.47        |         | 7.96 | 0.8        | 2.26            |     |
| 1223     | 2/3/2011 7:01  | 10.15  | 46.61  | 30.11        |         | 8.09 | 1.4        | 2.32            |     |
| 1224     | 2/3/2011 7:16  | 10.17  | 47.03  | 30.41        |         | 8.08 | 1.5        | 2.41            |     |
| 1225     | 2/3/2011 7:31  | 10.28  | 47.41  | 30.69        |         | 7.96 | 1.0        | 2.49            |     |
| 1226     | 2/3/2011 7:46  | 10.36  | 47.69  | 30.90        |         | 8.03 | 0.9        | 2.56            |     |
| 1227     | 2/3/2011 8:01  | 10.38  | 47.98  | 31.11        |         | 8.02 | 1.0        | 2.65            |     |
| 1228     | 2/3/2011 8:16  | 10.37  | 47.76  | 30.95        |         | 8.02 | 1.3        | 2.72            |     |
| 1229     | 2/3/2011 8:31  | 10.39  | 48.34  | 31.37        |         | 7.94 | 1.1        | 2.81            |     |
| 1230     | 2/3/2011 8:46  | 10.41  | 48.49  | 31.48        |         | 8.02 | 1.2        | 2.88            |     |
| 1231     | 2/3/2011 9:01  | 10.41  | 48.54  | 31.52        |         | 7.94 | 1.5        | 2.96            |     |
| 1232     | 2/3/2011 9:16  | 10.35  | 48.75  | 31.66        |         | 8.01 | 2.0        | 3.05            |     |
| 1233     | 2/3/2011 9:31  | 10.28  | 48.95  | 31.80        |         | 8.01 | 2.4        | 3.11            |     |
| 1234     | 2/3/2011 9:46  | 10.23  | 49.14  | 31.94        |         | 7.93 | 3.3        | 3.20            |     |
| 1235     | 2/3/2011 10:01 | 10.11  | 49.33  | 32.07        |         | 8.01 | 3.2        | 3.29            |     |
| 1236     | 2/3/2011 10:16 | 10.07  | 49.48  | 32.17        |         | 7.93 | 3.1        | 3.37            |     |
| 1237     | 2/3/2011 10:31 | 10.04  | 49.60  | 32.26        |         | 7.93 | 3.2        | 3.44            |     |
| 1238     | 2/3/2011 10:46 | 9.97   | 49.78  | 32.38        |         | 7.92 | 2.7        | 3.51            |     |
| 1239     | 2/3/2011 11:01 | 9.93   | 49.91  | 32.47        |         | 7.92 | 2.4        | 3.59            |     |
| 1240     | 2/3/2011 11:16 | 9.92   | 49.96  | 32.51        |         | 7.92 | 1.2        | 3.65            |     |
| 1241     | 2/3/2011 11:31 | 9.89   | 50.04  | 32.56        |         | 8.00 | 1.4        | 3.67            |     |
| 1242     | 2/3/2011 11:46 | 9.89   | 50.08  | 32.59        |         | 8.00 | 0.4        | 3.68            |     |
| 1243     | 2/3/2011 12:01 | 9.94   | 49.94  | 32.49        |         | 7.98 | 1.7        | 3.70            |     |
| 1244     | 2/3/2011 12:16 | 9.89   | 50.08  | 32.59        |         | 8.00 | 2.0        | 3.67            |     |
| 1245     | 2/3/2011 12:31 | 9.90   | 50.05  | 32.57        |         | 8.00 | 1.8        | 3.62            |     |
| 1246     | 2/3/2011 12:46 | 10.63  | 49.05  | 31.89        |         | 8.04 | 2.4        | 3.55            |     |
| 1247     | 2/3/2011 13:01 | 10.64  | 49.18  | 31.99        |         | 7.97 | 1.2        | 3.47            |     |
| 1248     | 2/3/2011 13:16 | 10.61  | 49.26  | 32.04        |         | 8.04 | 1.5        | 3.37            |     |
| 1249     | 2/3/2011 13:31 | 10.62  | 49.12  | 31.95        |         | 8.05 | 1.2        | 3.27            |     |
| 1250     | 2/3/2011 13:46 | 10.68  | 48.98  | 31.85        |         | 8.06 | 1.1        | 3.15            |     |
| 1251     | 2/3/2011 14:01 | 10.78  | 48.85  | 31.76        |         | 8.00 | 1.0        | 3.04            |     |
| 1252     | 2/3/2011 14:16 | 10.87  | 48.64  | 31.61        |         | 8.06 | 1.5        | 2.92            |     |
| 1253     | 2/3/2011 14:31 | 10.89  | 48.76  | 31.70        |         | 8.00 | 0.7        | 2.81            |     |
| 1254     | 2/3/2011 14:46 | 10.92  | 48.54  | 31.54        |         | 8.00 | 1.2        | 2.69            |     |
| 1255     | 2/3/2011 15:01 | 10.94  | 48.37  | 31.42        |         | 8.00 | 1.0        | 2.55            |     |
| 1256     | 2/3/2011 15:16 | 11.03  | 48.60  | 31.59        |         | 8.00 | 0.9        | 2.42            |     |
| 1257     | 2/3/2011 15:31 | 11.04  | 48.02  | 31.17        |         | 8.02 | 1.1        | 2.29            |     |
| 1258     | 2/3/2011 15:46 | 11.06  | 47.87  | 31.07        |         | 8.03 | 1.2        | 2.15            |     |
| 1259     | 2/3/2011 16:01 | 11.08  | 47.67  | 30.92        |         | 8.05 | 1.3        | 2.01            |     |
| 1260     | 2/3/2011 16:16 | 11.15  | 47.65  | 30.91        |         | 8.06 | 1.2        | 1.88            |     |
| 1261     | 2/3/2011 16:31 | 11.12  | 47.20  | 30.59        |         | 8.13 | 1.2        | 1.73            |     |
| 1262     | 2/3/2011 16:46 | 11.13  | 47.09  | 30.51        |         | 8.19 | 1.2        | 1.61            |     |
| 1263     | 2/3/2011 17:01 | 11.14  | 47.07  | 30.49        |         | 8.07 | 0.9        | 1.48            |     |
| 1264     | 2/3/2011 17:16 | 11.15  | 47.27  | 30.64        |         | 8.07 | 1.0        | 1.37            |     |
| 1265     | 2/3/2011 17:31 | 11.14  | 47.05  | 30.48        |         | 8.08 | 2.4        | 1.28            |     |
| 1266     | 2/3/2011 17:46 | 11.13  | 46.78  | 30.29        |         | 8.16 | 0.4        | 1.22            |     |
| 1267     | 2/3/2011 18:01 | 11.09  | 46.54  | 30.11        |         | 8.16 | 0.5        | 1.20            |     |
| 1268     | 2/3/2011 18:16 | 11.11  | 46.68  | 30.22        |         | 8.08 | 0.8        | 1.21            |     |
| 1269     | 2/3/2011 18:31 | 11.12  | 46.79  | 30.29        |         | 8.08 | 0.4        | 1.27            |     |
| 1270     | 2/3/2011 18:46 | 11.09  | 46.77  | 30.28        |         | 8.15 | 0.2        | 1.33            |     |
| 1271     | 2/3/2011 19:01 | 11.07  | 46.67  | 30.20        |         | 8.08 | 0.3        | 1.41            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-----|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |     |
| 1272     | 2/3/2011 19:16 | 10.92  | 46.50  | 30.07        |         | 8.19 | 2.0               | 1.47            |     |
| 1273     | 2/3/2011 19:31 | 10.96  | 46.54  | 30.10        |         | 8.06 | 1.0               | 1.54            |     |
| 1274     | 2/3/2011 19:46 | 10.98  | 46.58  | 30.14        |         | 8.06 | 1.0               | 1.64            |     |
| 1275     | 2/3/2011 20:01 | 10.96  | 46.56  | 30.12        |         | 8.13 | 1.1               | 1.71            |     |
| 1276     | 2/3/2011 20:16 | 10.94  | 46.53  | 30.10        |         | 8.05 | 1.0               | 1.78            |     |
| 1277     | 2/3/2011 20:31 | 10.93  | 46.46  | 30.05        |         | 8.17 | 0.9               | 1.89            |     |
| 1278     | 2/3/2011 20:46 | 10.94  | 46.70  | 30.22        |         | 8.05 | 0.9               | 1.97            |     |
| 1279     | 2/3/2011 21:01 | 10.90  | 46.76  | 30.26        |         | 8.16 | 0.9               | 2.07            |     |
| 1280     | 2/3/2011 21:16 | 10.86  | 46.99  | 30.42        |         | 8.02 | 1.3               | 2.17            |     |
| 1281     | 2/3/2011 21:31 | 10.80  | 47.18  | 30.56        |         | 8.01 | 1.3               | 2.26            |     |
| 1282     | 2/3/2011 21:46 | 10.85  | 47.59  | 30.86        |         | 8.07 | 1.6               | 2.39            |     |
| 1283     | 2/3/2011 22:01 | 10.87  | 47.70  | 30.93        |         | 8.07 | 1.3               | 2.48            |     |
| 1284     | 2/3/2011 22:16 | 10.87  | 47.66  | 30.90        |         | 8.11 | 2.1               | 2.59            |     |
| 1285     | 2/3/2011 22:31 | 10.80  | 48.12  | 31.23        |         | 7.98 | 2.5               | 2.67            |     |
| 1286     | 2/3/2011 22:46 | 10.78  | 47.99  | 31.14        |         | 8.05 | 2.0               | 2.77            |     |
| 1287     | 2/3/2011 23:01 | 10.72  | 48.38  | 31.42        |         | 7.97 | 2.7               | 2.85            |     |
| 1288     | 2/3/2011 23:16 | 10.65  | 48.51  | 31.51        |         | 7.96 | 3.1               | 2.95            |     |
| 1289     | 2/3/2011 23:31 | 10.60  | 48.64  | 31.60        |         | 7.96 | 3.1               | 3.02            |     |
| 1290     | 2/3/2011 23:46 | 10.49  | 49.00  | 31.85        |         | 7.95 | 4.1               | 3.10            |     |
| 1291     | 2/4/2011 0:01  | 10.36  | 49.29  | 32.05        |         | 7.94 | 3.6               | 3.16            |     |
| 1292     | 2/4/2011 0:16  | 10.28  | 49.35  | 32.09        |         | 7.94 | 3.6               | 3.23            |     |
| 1293     | 2/4/2011 0:31  | 10.26  | 49.55  | 32.23        |         | 8.00 | 2.8               | 3.29            |     |
| 1294     | 2/4/2011 0:46  | 10.25  | 49.58  | 32.26        |         | 8.02 | 1.5               | 3.34            |     |
| 1295     | 2/4/2011 1:01  | 10.25  | 49.59  | 32.26        |         | 8.02 | 1.2               | 3.36            |     |
| 1296     | 2/4/2011 1:16  | 10.27  | 49.51  | 32.20        |         | 8.02 | 0.6               | 3.35            |     |
| 1297     | 2/4/2011 1:31  | 10.28  | 49.47  | 32.17        |         | 7.94 | 1.3               | 3.36            |     |
| 1298     | 2/4/2011 1:46  | 10.22  | 49.52  | 32.21        |         | 7.94 | 1.6               | 3.32            |     |
| 1299     | 2/4/2011 2:01  | 10.28  | 48.95  | 31.80        |         | 7.95 | 2.4               | 3.28            |     |
| 1300     | 2/4/2011 2:16  | 10.33  | 48.60  | 31.55        |         | 7.96 | 1.6               | 3.20            |     |
| 1301     | 2/4/2011 2:31  | 10.33  | 48.70  | 31.62        |         | 8.07 | 2.4               | 3.12            |     |
| 1302     | 2/4/2011 2:46  | 10.43  | 48.58  | 31.54        |         | 7.96 | 2.3               | 3.04            |     |
| 1303     | 2/4/2011 3:01  | 10.39  | 48.49  | 31.48        |         | 7.96 | 1.5               | 2.97            |     |
| 1304     | 2/4/2011 3:16  | 10.40  | 48.46  | 31.45        |         | 8.04 | 1.6               | 2.86            |     |
| 1305     | 2/4/2011 3:31  | 10.38  | 48.49  | 31.48        |         | 7.96 | 1.2               | 2.76            |     |
| 1306     | 2/4/2011 3:46  | 10.42  | 48.31  | 31.35        |         | 8.01 | 1.4               | 2.68            |     |
| 1307     | 2/4/2011 4:01  | 10.39  | 48.29  | 31.33        |         | 8.01 | 1.1               | 2.61            |     |
| 1308     | 2/4/2011 4:16  | 10.38  | 48.10  | 31.20        |         | 7.97 | 1.5               | 2.49            |     |
| 1309     | 2/4/2011 4:31  | 10.37  | 47.46  | 30.73        |         | 7.98 | 1.5               | 2.44            |     |
| 1310     | 2/4/2011 4:46  | 10.37  | 47.48  | 30.75        |         | 8.09 | 0.9               | 2.36            |     |
| 1311     | 2/4/2011 5:01  | 10.34  | 47.62  | 30.85        |         | 7.98 | 0.6               | 2.27            |     |
| 1312     | 2/4/2011 5:16  | 10.36  | 47.52  | 30.77        |         | 8.07 | 0.4               | 2.20            |     |
| 1313     | 2/4/2011 5:31  | 10.37  | 47.38  | 30.68        |         | 8.07 | 0.4               | 2.16            |     |
| 1314     | 2/4/2011 5:46  | 10.39  | 47.23  | 30.57        |         | 8.08 | 0.1               | 2.12            |     |
| 1315     | 2/4/2011 6:01  | 10.38  | 47.19  | 30.54        |         | 8.01 | 0.0               | 2.05            |     |
| 1316     | 2/4/2011 6:16  | 10.37  | 47.16  | 30.52        |         | 8.08 | 0.0               | 2.06            |     |
| 1317     | 2/4/2011 6:31  | 10.34  | 47.18  | 30.53        |         | 8.08 | 0.0               | 2.06            |     |
| 1318     | 2/4/2011 6:46  | 10.24  | 47.15  | 30.50        |         | 8.08 | 0.0               | 2.07            |     |
| 1319     | 2/4/2011 7:01  | 10.27  | 47.23  | 30.56        |         | 8.04 | 0.2               | 2.10            |     |
| 1320     | 2/4/2011 7:16  | 10.28  | 47.28  | 30.60        |         | 8.08 | 0.2               | 2.18            |     |
| 1321     | 2/4/2011 7:31  | 10.33  | 47.36  | 30.66        |         | 8.07 | 0.4               | 2.23            |     |
| 1322     | 2/4/2011 7:46  | 10.09  | 47.09  | 30.45        |         | 7.99 | 1.1               | 2.31            |     |
| 1323     | 2/4/2011 8:01  | 10.11  | 47.16  | 30.50        |         | 7.98 | 0.6               | 2.39            |     |
| 1324     | 2/4/2011 8:16  | 10.30  | 47.55  | 30.79        |         | 7.98 | 0.9               | 2.47            |     |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO% |
|----------|----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-----|
| 1325     | 2/4/2011 8:31  | 10.33  | 47.80           | 30.97        |                 | 7.97 | 0.8               | 2.53            |     |
| 1326     | 2/4/2011 8:46  | 10.35  | 47.94           | 31.08        |                 | 7.96 | 0.8               | 2.62            |     |
| 1327     | 2/4/2011 9:01  | 10.34  | 48.32           | 31.35        |                 | 7.96 | 0.9               | 2.69            |     |
| 1328     | 2/4/2011 9:16  | 10.37  | 48.42           | 31.42        |                 | 8.04 | 0.9               | 2.77            |     |
| 1329     | 2/4/2011 9:31  | 10.41  | 48.47           | 31.46        |                 | 7.96 | 1.0               | 2.85            |     |
| 1330     | 2/4/2011 9:46  | 10.41  | 48.56           | 31.52        |                 | 8.07 | 1.2               | 2.92            |     |
| 1331     | 2/4/2011 10:01 | 10.38  | 48.70           | 31.62        |                 | 7.96 | 1.5               | 3.01            |     |
| 1332     | 2/4/2011 10:16 | 10.34  | 48.88           | 31.75        |                 | 8.00 | 1.5               | 3.09            |     |
| 1333     | 2/4/2011 10:31 | 10.30  | 49.04           | 31.86        |                 | 8.00 | 1.8               | 3.16            |     |
| 1334     | 2/4/2011 10:46 | 10.21  | 49.21           | 31.99        |                 | 7.99 | 2.9               | 3.25            |     |
| 1335     | 2/4/2011 11:01 | 10.16  | 49.33           | 32.07        |                 | 8.02 | 2.9               | 3.31            |     |
| 1336     | 2/4/2011 11:16 | 10.15  | 49.45           | 32.15        |                 | 7.94 | 2.0               | 3.38            |     |
| 1337     | 2/4/2011 11:31 | 10.11  | 49.59           | 32.25        |                 | 7.94 | 2.1               | 3.44            |     |
| 1338     | 2/4/2011 11:46 | 10.06  | 49.73           | 32.35        |                 | 7.94 | 2.0               | 3.51            |     |
| 1339     | 2/4/2011 12:01 | 10.03  | 49.78           | 32.38        |                 | 7.93 | 1.9               | 3.55            |     |
|          | Mean           | 10.64  | 47.30           | 30.63        |                 | 8.01 | 2.8               | 2.57            |     |
|          | Minimum        | 9.82   | 42.54           | 27.27        |                 | 7.88 | 0.0               | 0.87            |     |
|          | Maximum        | 11.75  | 50.25           | 32.71        |                 | 8.19 | 29.2              | 3.79            |     |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

DO probe malfunction; Consistent declines in DO concentration over deployment period

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 0        | 2/4/2011 12:31 | 10.01  | 48.71  | 31.61        | 9.44    | 7.89 | 3.4        | 3.53            | 102.4 |
| 1        | 2/4/2011 12:46 | 9.92   | 49.11  | 31.90        | 9.14    | 7.92 | 3.4        | 3.52            | 99.1  |
| 2        | 2/4/2011 13:01 | 9.92   | 49.21  | 31.96        | 9.11    | 7.94 | 3.2        | 3.45            | 98.8  |
| 3        | 2/4/2011 13:16 | 9.97   | 49.14  | 31.92        | 9.02    | 7.95 | 3.7        | 3.40            | 98.0  |
| 4        | 2/4/2011 13:31 | 10.42  | 48.72  | 31.65        | 9.47    | 8.00 | 3.0        | 3.32            | 103.6 |
| 5        | 2/4/2011 13:46 | 10.55  | 48.34  | 31.38        | 9.55    | 8.00 | 3.0        | 3.22            | 104.6 |
| 6        | 2/4/2011 14:01 | 10.52  | 48.55  | 31.53        | 9.63    | 8.01 | 3.2        | 3.14            | 105.6 |
| 7        | 2/4/2011 14:16 | 10.54  | 48.30  | 31.35        | 9.68    | 8.02 | 2.9        | 3.05            | 106.0 |
| 8        | 2/4/2011 14:31 | 10.61  | 48.06  | 31.18        | 9.76    | 8.03 | 2.5        | 2.93            | 106.9 |
| 9        | 2/4/2011 14:46 | 10.68  | 48.11  | 31.22        | 9.98    | 8.04 | 2.7        | 2.84            | 109.6 |
| 10       | 2/4/2011 15:01 | 10.75  | 48.00  | 31.14        | 10.09   | 8.05 | 2.3        | 2.72            | 110.8 |
| 11       | 2/4/2011 15:16 | 10.76  | 48.21  | 31.30        | 9.91    | 8.04 | 2.3        | 2.60            | 109.1 |
| 12       | 2/4/2011 15:31 | 10.75  | 47.94  | 31.10        | 9.89    | 8.04 | 2.6        | 2.48            | 108.7 |
| 13       | 2/4/2011 15:46 | 10.74  | 47.65  | 30.89        | 10.07   | 8.06 | 3.2        | 2.36            | 110.4 |
| 14       | 2/4/2011 16:01 | 10.76  | 47.57  | 30.84        | 10.10   | 8.06 | 2.7        | 2.23            | 110.8 |
| 15       | 2/4/2011 16:16 | 10.80  | 47.35  | 30.68        | 10.21   | 8.07 | 3.1        | 2.11            | 111.9 |
| 16       | 2/4/2011 16:31 | 10.81  | 47.30  | 30.64        | 10.26   | 8.08 | 3.2        | 1.97            | 112.5 |
| 17       | 2/4/2011 16:46 | 10.84  | 47.27  | 30.62        | 10.30   | 8.08 | 3.8        | 1.85            | 113.0 |
| 18       | 2/4/2011 17:01 | 10.88  | 47.26  | 30.62        | 10.41   | 8.10 | 3.5        | 1.74            | 114.3 |
| 19       | 2/4/2011 17:16 | 10.89  | 47.03  | 30.45        | 10.41   | 8.09 | 3.4        | 1.61            | 114.2 |
| 20       | 2/4/2011 17:31 | 10.89  | 46.81  | 30.30        | 10.37   | 8.09 | 3.2        | 1.51            | 113.7 |
| 21       | 2/4/2011 17:46 | 10.89  | 46.92  | 30.38        | 10.32   | 8.09 | 3.4        | 1.42            | 113.2 |
| 22       | 2/4/2011 18:01 | 10.93  | 46.79  | 30.29        | 10.52   | 8.11 | 3.0        | 1.34            | 115.4 |
| 23       | 2/4/2011 18:16 | 10.93  | 46.78  | 30.27        | 10.39   | 8.10 | 2.7        | 1.29            | 114.0 |
| 24       | 2/4/2011 18:31 | 10.95  | 46.76  | 30.26        | 10.46   | 8.11 | 2.4        | 1.25            | 114.8 |
| 25       | 2/4/2011 18:46 | 10.94  | 46.55  | 30.11        | 10.51   | 8.10 | 2.5        | 1.24            | 115.2 |
| 26       | 2/4/2011 19:01 | 10.93  | 46.51  | 30.08        | 10.46   | 8.10 | 2.7        | 1.28            | 114.6 |
| 27       | 2/4/2011 19:16 | 10.91  | 46.71  | 30.22        | 10.41   | 8.09 | 2.6        | 1.33            | 114.1 |
| 28       | 2/4/2011 19:31 | 10.90  | 46.76  | 30.26        | 10.41   | 8.09 | 2.6        | 1.41            | 114.1 |
| 29       | 2/4/2011 19:46 | 10.89  | 46.72  | 30.23        | 10.47   | 8.09 | 2.6        | 1.49            | 114.7 |
| 30       | 2/4/2011 20:01 | 10.89  | 46.85  | 30.33        | 10.38   | 8.09 | 2.7        | 1.57            | 113.8 |
| 31       | 2/4/2011 20:16 | 10.81  | 46.64  | 30.17        | 10.32   | 8.08 | 3.1        | 1.65            | 112.8 |
| 32       | 2/4/2011 20:31 | 10.81  | 46.58  | 30.13        | 10.31   | 8.07 | 2.9        | 1.74            | 112.7 |
| 33       | 2/4/2011 20:46 | 10.80  | 46.58  | 30.12        | 10.27   | 8.07 | 3.2        | 1.82            | 112.2 |
| 34       | 2/4/2011 21:01 | 10.79  | 46.46  | 30.04        | 10.27   | 8.07 | 3.2        | 1.92            | 112.2 |
| 35       | 2/4/2011 21:16 | 10.80  | 46.70  | 30.22        | 10.29   | 8.07 | 3.1        | 2.01            | 112.6 |
| 36       | 2/4/2011 21:31 | 10.79  | 47.09  | 30.49        | 10.14   | 8.05 | 2.9        | 2.10            | 111.0 |
| 37       | 2/4/2011 21:46 | 10.76  | 46.93  | 30.38        | 10.02   | 8.04 | 3.7        | 2.22            | 109.6 |
| 38       | 2/4/2011 22:01 | 10.73  | 47.29  | 30.63        | 9.86    | 8.02 | 3.2        | 2.31            | 107.9 |
| 39       | 2/4/2011 22:16 | 10.74  | 47.55  | 30.82        | 9.79    | 8.01 | 3.4        | 2.40            | 107.3 |
| 40       | 2/4/2011 22:31 | 10.73  | 47.70  | 30.93        | 9.77    | 8.01 | 2.9        | 2.50            | 107.1 |
| 41       | 2/4/2011 22:46 | 10.71  | 47.64  | 30.89        | 9.73    | 8.00 | 3.5        | 2.61            | 106.7 |
| 42       | 2/4/2011 23:01 | 10.68  | 47.59  | 30.84        | 9.66    | 7.99 | 4.2        | 2.68            | 105.8 |
| 43       | 2/4/2011 23:16 | 10.66  | 47.62  | 30.86        | 9.61    | 7.99 | 4.4        | 2.77            | 105.2 |
| 44       | 2/4/2011 23:31 | 10.59  | 48.03  | 31.15        | 9.54    | 7.98 | 4.9        | 2.86            | 104.5 |
| 45       | 2/4/2011 23:46 | 10.51  | 47.81  | 30.99        | 9.47    | 7.97 | 5.2        | 2.93            | 103.5 |
| 46       | 2/5/2011 0:01  | 10.43  | 48.51  | 31.49        | 9.40    | 7.96 | 5.1        | 3.01            | 102.8 |
| 47       | 2/5/2011 0:16  | 10.31  | 48.72  | 31.64        | 9.36    | 7.96 | 5.9        | 3.11            | 102.2 |
| 48       | 2/5/2011 0:31  | 10.24  | 48.87  | 31.74        | 9.34    | 7.95 | 5.8        | 3.18            | 101.9 |
| 49       | 2/5/2011 0:46  | 10.20  | 49.09  | 31.90        | 9.29    | 7.95 | 5.2        | 3.23            | 101.4 |
| 50       | 2/5/2011 1:01  | 10.18  | 49.23  | 32.00        | 9.25    | 7.95 | 4.0        | 3.29            | 101.0 |
| 51       | 2/5/2011 1:16  | 10.16  | 49.26  | 32.02        | 9.23    | 7.95 | 2.9        | 3.33            | 100.7 |
| 52       | 2/5/2011 1:31  | 10.16  | 49.13  | 31.92        | 9.15    | 7.94 | 2.3        | 3.33            | 99.7  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 53       | 2/5/2011 1:46  | 10.21  | 49.01  | 31.84        | 9.23    | 7.95 | 3.6               | 3.35            | 100.7 |
| 54       | 2/5/2011 2:01  | 10.20  | 49.25  | 32.01        | 9.18    | 7.94 | 4.0               | 3.32            | 100.3 |
| 55       | 2/5/2011 2:16  | 10.18  | 49.07  | 31.88        | 9.21    | 7.94 | 4.7               | 3.27            | 100.4 |
| 56       | 2/5/2011 2:31  | 10.48  | 48.07  | 31.18        | 9.30    | 7.96 | 3.0               | 3.22            | 101.6 |
| 57       | 2/5/2011 2:46  | 10.48  | 48.21  | 31.28        | 9.31    | 7.96 | 3.4               | 3.14            | 101.8 |
| 58       | 2/5/2011 3:01  | 10.41  | 48.49  | 31.48        | 9.32    | 7.96 | 3.8               | 3.03            | 101.9 |
| 59       | 2/5/2011 3:16  | 10.45  | 48.23  | 31.29        | 9.32    | 7.96 | 3.5               | 2.94            | 101.9 |
| 60       | 2/5/2011 3:31  | 10.43  | 48.42  | 31.43        | 9.31    | 7.95 | 3.3               | 2.86            | 101.7 |
| 61       | 2/5/2011 3:46  | 10.47  | 48.15  | 31.24        | 9.30    | 7.95 | 3.2               | 2.77            | 101.7 |
| 62       | 2/5/2011 4:01  | 10.49  | 48.20  | 31.27        | 9.28    | 7.95 | 3.0               | 2.68            | 101.4 |
| 63       | 2/5/2011 4:16  | 10.51  | 48.22  | 31.29        | 9.24    | 7.95 | 2.8               | 2.59            | 101.1 |
| 64       | 2/5/2011 4:31  | 10.53  | 47.87  | 31.04        | 9.33    | 7.96 | 2.8               | 2.50            | 101.9 |
| 65       | 2/5/2011 4:46  | 10.57  | 47.84  | 31.02        | 9.47    | 7.97 | 4.0               | 2.40            | 103.6 |
| 66       | 2/5/2011 5:01  | 10.61  | 47.47  | 30.75        | 9.54    | 7.98 | 2.7               | 2.31            | 104.3 |
| 67       | 2/5/2011 5:16  | 10.57  | 47.50  | 30.77        | 9.34    | 7.97 | 2.7               | 2.24            | 102.0 |
| 68       | 2/5/2011 5:31  | 10.60  | 47.25  | 30.59        | 9.51    | 7.98 | 2.1               | 2.14            | 103.8 |
| 69       | 2/5/2011 5:46  | 10.63  | 47.04  | 30.45        | 9.57    | 7.99 | 2.1               | 2.07            | 104.4 |
| 70       | 2/5/2011 6:01  | 10.64  | 46.94  | 30.38        | 9.59    | 7.99 | 2.1               | 2.00            | 104.7 |
| 71       | 2/5/2011 6:16  | 10.65  | 47.06  | 30.46        | 9.62    | 8.00 | 2.1               | 1.95            | 105.0 |
| 72       | 2/5/2011 6:31  | 10.66  | 46.76  | 30.25        | 9.60    | 8.00 | 1.9               | 1.92            | 104.6 |
| 73       | 2/5/2011 6:46  | 10.67  | 46.97  | 30.40        | 9.56    | 8.00 | 1.6               | 1.90            | 104.3 |
| 74       | 2/5/2011 7:01  | 10.64  | 47.01  | 30.43        | 9.61    | 8.00 | 1.8               | 1.90            | 104.9 |
| 75       | 2/5/2011 7:16  | 10.64  | 46.93  | 30.37        | 9.55    | 7.99 | 2.1               | 1.91            | 104.1 |
| 76       | 2/5/2011 7:31  | 10.64  | 46.61  | 30.14        | 9.59    | 7.99 | 1.8               | 1.94            | 104.5 |
| 77       | 2/5/2011 7:46  | 10.65  | 47.03  | 30.44        | 9.58    | 7.99 | 1.9               | 2.00            | 104.5 |
| 78       | 2/5/2011 8:01  | 10.64  | 46.82  | 30.29        | 9.56    | 7.99 | 2.0               | 2.06            | 104.2 |
| 79       | 2/5/2011 8:16  | 10.55  | 46.53  | 30.08        | 9.49    | 7.98 | 2.5               | 2.13            | 103.1 |
| 80       | 2/5/2011 8:31  | 10.53  | 46.50  | 30.05        | 9.46    | 7.97 | 2.6               | 2.20            | 102.7 |
| 81       | 2/5/2011 8:46  | 10.54  | 46.88  | 30.33        | 9.44    | 7.97 | 2.6               | 2.29            | 102.8 |
| 82       | 2/5/2011 9:01  | 10.59  | 46.93  | 30.37        | 9.45    | 7.97 | 2.3               | 2.35            | 103.0 |
| 83       | 2/5/2011 9:16  | 10.57  | 47.21  | 30.56        | 9.40    | 7.96 | 2.3               | 2.42            | 102.6 |
| 84       | 2/5/2011 9:31  | 10.54  | 47.58  | 30.83        | 9.30    | 7.95 | 2.4               | 2.51            | 101.5 |
| 85       | 2/5/2011 9:46  | 10.52  | 47.91  | 31.06        | 9.29    | 7.94 | 2.3               | 2.59            | 101.6 |
| 86       | 2/5/2011 10:01 | 10.52  | 47.89  | 31.05        | 9.32    | 7.95 | 2.3               | 2.65            | 101.9 |
| 87       | 2/5/2011 10:16 | 10.52  | 48.10  | 31.20        | 9.33    | 7.95 | 2.4               | 2.73            | 102.1 |
| 88       | 2/5/2011 10:31 | 10.52  | 48.02  | 31.15        | 9.34    | 7.95 | 2.5               | 2.80            | 102.2 |
| 89       | 2/5/2011 10:46 | 10.48  | 48.12  | 31.21        | 9.34    | 7.94 | 2.7               | 2.87            | 102.1 |
| 90       | 2/5/2011 11:01 | 10.44  | 48.39  | 31.41        | 9.30    | 7.94 | 2.9               | 2.94            | 101.6 |
| 91       | 2/5/2011 11:16 | 10.40  | 48.52  | 31.50        | 9.28    | 7.93 | 3.2               | 3.01            | 101.4 |
| 92       | 2/5/2011 11:31 | 10.37  | 48.50  | 31.48        | 9.27    | 7.93 | 3.0               | 3.08            | 101.2 |
| 93       | 2/5/2011 11:46 | 10.28  | 48.81  | 31.70        | 9.24    | 7.93 | 4.0               | 3.16            | 100.8 |
| 94       | 2/5/2011 12:01 | 10.24  | 48.66  | 31.59        | 9.23    | 7.92 | 4.1               | 3.21            | 100.6 |
| 95       | 2/5/2011 12:16 | 10.22  | 48.88  | 31.74        | 9.21    | 7.92 | 3.0               | 3.27            | 100.5 |
| 96       | 2/5/2011 12:31 | 10.22  | 48.78  | 31.68        | 9.21    | 7.92 | 2.8               | 3.33            | 100.4 |
| 97       | 2/5/2011 12:46 | 10.17  | 49.18  | 31.96        | 9.11    | 7.92 | 2.0               | 3.36            | 99.3  |
| 98       | 2/5/2011 13:01 | 10.14  | 49.19  | 31.97        | 9.13    | 7.91 | 2.3               | 3.38            | 99.5  |
| 99       | 2/5/2011 13:16 | 10.14  | 49.33  | 32.06        | 9.06    | 7.91 | 4.3               | 3.37            | 98.8  |
| 100      | 2/5/2011 13:31 | 10.17  | 48.88  | 31.75        | 9.13    | 7.91 | 3.4               | 3.34            | 99.5  |
| 101      | 2/5/2011 13:46 | 10.18  | 49.27  | 32.02        | 9.12    | 7.91 | 3.9               | 3.30            | 99.6  |
| 102      | 2/5/2011 14:01 | 10.26  | 48.75  | 31.66        | 9.22    | 7.92 | 3.1               | 3.26            | 100.5 |
| 103      | 2/5/2011 14:16 | 10.35  | 48.75  | 31.66        | 9.34    | 7.93 | 4.1               | 3.16            | 102.1 |
| 104      | 2/5/2011 14:31 | 10.47  | 48.65  | 31.60        | 9.46    | 7.94 | 4.8               | 3.08            | 103.6 |
| 105      | 2/5/2011 14:46 | 10.51  | 48.55  | 31.52        | 9.51    | 7.95 | 6.5               | 3.00            | 104.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 106      | 2/5/2011 15:01 | 10.54  | 48.70  | 31.64        | 9.55    | 7.95 | 8.4               | 2.88            | 104.8 |
| 107      | 2/5/2011 15:16 | 10.62  | 48.75  | 31.68        | 9.68    | 7.96 | 7.9               | 2.77            | 106.4 |
| 108      | 2/5/2011 15:31 | 10.70  | 48.34  | 31.39        | 9.73    | 7.97 | 6.2               | 2.68            | 106.9 |
| 109      | 2/5/2011 15:46 | 10.75  | 48.28  | 31.35        | 9.72    | 7.97 | 7.0               | 2.58            | 106.9 |
| 110      | 2/5/2011 16:01 | 10.79  | 48.24  | 31.32        | 9.69    | 7.97 | 7.8               | 2.49            | 106.7 |
| 111      | 2/5/2011 16:16 | 10.82  | 48.14  | 31.25        | 9.72    | 7.98 | 7.3               | 2.36            | 107.1 |
| 112      | 2/5/2011 16:31 | 10.87  | 47.63  | 30.88        | 9.77    | 7.98 | 8.5               | 2.24            | 107.4 |
| 113      | 2/5/2011 16:46 | 10.89  | 47.49  | 30.78        | 9.81    | 7.99 | 8.4               | 2.13            | 107.9 |
| 114      | 2/5/2011 17:01 | 10.92  | 47.64  | 30.89        | 9.81    | 7.99 | 8.9               | 2.02            | 108.0 |
| 115      | 2/5/2011 17:16 | 10.96  | 47.33  | 30.67        | 9.87    | 8.00 | 8.9               | 1.91            | 108.6 |
| 116      | 2/5/2011 17:31 | 10.99  | 46.90  | 30.37        | 9.92    | 8.01 | 8.4               | 1.79            | 109.0 |
| 117      | 2/5/2011 17:46 | 11.00  | 47.24  | 30.61        | 9.88    | 8.01 | 8.9               | 1.68            | 108.8 |
| 118      | 2/5/2011 18:01 | 10.99  | 47.12  | 30.52        | 9.86    | 8.01 | 8.9               | 1.60            | 108.4 |
| 119      | 2/5/2011 18:16 | 11.03  | 46.98  | 30.43        | 9.90    | 8.01 | 9.7               | 1.51            | 108.9 |
| 120      | 2/5/2011 18:31 | 11.06  | 46.91  | 30.38        | 9.92    | 8.02 | 9.9               | 1.43            | 109.2 |
| 121      | 2/5/2011 18:46 | 11.10  | 46.76  | 30.27        | 9.96    | 8.03 | 11.2              | 1.39            | 109.6 |
| 122      | 2/5/2011 19:01 | 11.10  | 46.78  | 30.28        | 9.89    | 8.02 | 10.1              | 1.39            | 108.9 |
| 123      | 2/5/2011 19:16 | 11.07  | 47.05  | 30.48        | 9.80    | 8.01 | 9.5               | 1.37            | 108.0 |
| 124      | 2/5/2011 19:31 | 11.06  | 46.79  | 30.29        | 9.85    | 8.01 | 8.7               | 1.39            | 108.4 |
| 125      | 2/5/2011 19:46 | 11.06  | 46.80  | 30.30        | 9.87    | 8.02 | 7.7               | 1.45            | 108.6 |
| 126      | 2/5/2011 20:01 | 11.07  | 46.81  | 30.31        | 9.91    | 8.02 | 7.8               | 1.52            | 109.1 |
| 127      | 2/5/2011 20:16 | 11.06  | 47.06  | 30.48        | 9.89    | 8.01 | 6.9               | 1.58            | 108.9 |
| 128      | 2/5/2011 20:31 | 11.03  | 46.61  | 30.16        | 9.88    | 8.01 | 7.6               | 1.66            | 108.6 |
| 129      | 2/5/2011 20:46 | 11.02  | 46.36  | 29.98        | 9.83    | 8.00 | 6.2               | 1.75            | 107.9 |
| 130      | 2/5/2011 21:01 | 11.02  | 46.64  | 30.18        | 9.79    | 8.00 | 5.9               | 1.82            | 107.6 |
| 131      | 2/5/2011 21:16 | 11.00  | 46.80  | 30.29        | 9.73    | 7.99 | 5.3               | 1.91            | 106.9 |
| 132      | 2/5/2011 21:31 | 10.98  | 46.83  | 30.32        | 9.74    | 7.99 | 4.6               | 1.99            | 107.0 |
| 133      | 2/5/2011 21:46 | 10.97  | 46.85  | 30.33        | 9.76    | 7.99 | 5.2               | 2.09            | 107.1 |
| 134      | 2/5/2011 22:01 | 10.93  | 47.10  | 30.50        | 9.65    | 7.98 | 4.9               | 2.16            | 106.0 |
| 135      | 2/5/2011 22:16 | 10.85  | 47.29  | 30.64        | 9.59    | 7.97 | 5.5               | 2.26            | 105.3 |
| 136      | 2/5/2011 22:31 | 10.81  | 47.62  | 30.88        | 9.56    | 7.96 | 4.6               | 2.36            | 105.0 |
| 137      | 2/5/2011 22:46 | 10.80  | 47.70  | 30.93        | 9.55    | 7.96 | 4.6               | 2.44            | 104.9 |
| 138      | 2/5/2011 23:01 | 10.78  | 47.74  | 30.96        | 9.54    | 7.95 | 5.2               | 2.54            | 104.8 |
| 139      | 2/5/2011 23:16 | 10.75  | 47.84  | 31.03        | 9.53    | 7.95 | 5.7               | 2.62            | 104.6 |
| 140      | 2/5/2011 23:31 | 10.72  | 47.94  | 31.10        | 9.48    | 7.95 | 5.9               | 2.71            | 104.1 |
| 141      | 2/5/2011 23:46 | 10.67  | 48.03  | 31.16        | 9.48    | 7.94 | 5.7               | 2.79            | 104.0 |
| 142      | 2/6/2011 0:01  | 10.61  | 48.21  | 31.29        | 9.44    | 7.94 | 6.5               | 2.87            | 103.5 |
| 143      | 2/6/2011 0:16  | 10.54  | 48.01  | 31.14        | 9.42    | 7.93 | 6.2               | 2.94            | 103.0 |
| 144      | 2/6/2011 0:31  | 10.49  | 48.39  | 31.41        | 9.37    | 7.93 | 5.8               | 3.02            | 102.5 |
| 145      | 2/6/2011 0:46  | 10.41  | 48.54  | 31.51        | 9.31    | 7.92 | 5.4               | 3.10            | 101.8 |
| 146      | 2/6/2011 1:01  | 10.31  | 48.91  | 31.77        | 9.25    | 7.91 | 5.6               | 3.16            | 101.1 |
| 147      | 2/6/2011 1:16  | 10.27  | 49.07  | 31.88        | 9.20    | 7.91 | 4.6               | 3.22            | 100.5 |
| 148      | 2/6/2011 1:31  | 10.24  | 49.20  | 31.98        | 9.16    | 7.91 | 4.3               | 3.27            | 100.1 |
| 149      | 2/6/2011 1:46  | 10.23  | 49.27  | 32.03        | 9.08    | 7.90 | 2.8               | 3.29            | 99.2  |
| 150      | 2/6/2011 2:01  | 10.22  | 49.41  | 32.13        | 8.95    | 7.90 | 2.0               | 3.31            | 97.9  |
| 151      | 2/6/2011 2:16  | 10.26  | 49.07  | 31.89        | 9.09    | 7.90 | 3.5               | 3.30            | 99.3  |
| 152      | 2/6/2011 2:31  | 10.24  | 49.37  | 32.10        | 9.07    | 7.90 | 3.5               | 3.29            | 99.2  |
| 153      | 2/6/2011 2:46  | 10.24  | 49.18  | 31.96        | 9.10    | 7.90 | 4.3               | 3.23            | 99.5  |
| 154      | 2/6/2011 3:01  | 10.51  | 48.18  | 31.26        | 9.17    | 7.92 | 4.7               | 3.15            | 100.3 |
| 155      | 2/6/2011 3:16  | 10.52  | 47.94  | 31.08        | 9.27    | 7.92 | 4.3               | 3.09            | 101.3 |
| 156      | 2/6/2011 3:31  | 10.49  | 48.43  | 31.44        | 9.23    | 7.92 | 4.8               | 2.99            | 101.1 |
| 157      | 2/6/2011 3:46  | 10.52  | 48.34  | 31.38        | 9.24    | 7.92 | 4.1               | 2.90            | 101.1 |
| 158      | 2/6/2011 4:01  | 10.52  | 48.35  | 31.38        | 9.22    | 7.92 | 3.7               | 2.81            | 101.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 159      | 2/6/2011 4:16  | 10.58  | 48.21  | 31.28        | 9.22    | 7.92 | 3.5        | 2.73   | 101.0 |
| 160      | 2/6/2011 4:31  | 10.61  | 48.01  | 31.15        | 9.22    | 7.92 | 3.4        | 2.64   | 101.0 |
| 161      | 2/6/2011 4:46  | 10.67  | 47.85  | 31.03        | 9.24    | 7.93 | 3.4        | 2.54   | 101.2 |
| 162      | 2/6/2011 5:01  | 10.66  | 47.84  | 31.02        | 9.28    | 7.93 | 3.8        | 2.45   | 101.7 |
| 163      | 2/6/2011 5:16  | 10.70  | 47.52  | 30.80        | 9.33    | 7.94 | 4.7        | 2.37   | 102.2 |
| 164      | 2/6/2011 5:31  | 10.73  | 47.52  | 30.79        | 9.22    | 7.93 | 3.2        | 2.28   | 101.0 |
| 165      | 2/6/2011 5:46  | 10.78  | 47.37  | 30.69        | 9.25    | 7.94 | 3.4        | 2.18   | 101.4 |
| 166      | 2/6/2011 6:01  | 10.77  | 47.36  | 30.68        | 9.29    | 7.94 | 3.4        | 2.10   | 101.8 |
| 167      | 2/6/2011 6:16  | 10.79  | 47.19  | 30.56        | 9.26    | 7.94 | 3.5        | 2.02   | 101.5 |
| 168      | 2/6/2011 6:31  | 10.84  | 47.08  | 30.49        | 9.27    | 7.95 | 3.1        | 1.96   | 101.6 |
| 169      | 2/6/2011 6:46  | 10.85  | 47.06  | 30.48        | 9.30    | 7.95 | 3.1        | 1.89   | 101.9 |
| 170      | 2/6/2011 7:01  | 10.88  | 46.94  | 30.39        | 9.29    | 7.96 | 3.1        | 1.85   | 101.9 |
| 171      | 2/6/2011 7:16  | 10.88  | 46.80  | 30.29        | 9.26    | 7.96 | 2.9        | 1.83   | 101.4 |
| 172      | 2/6/2011 7:31  | 10.88  | 46.98  | 30.42        | 9.23    | 7.96 | 2.9        | 1.82   | 101.2 |
| 173      | 2/6/2011 7:46  | 10.83  | 46.79  | 30.28        | 9.28    | 7.95 | 3.2        | 1.81   | 101.6 |
| 174      | 2/6/2011 8:01  | 10.85  | 47.10  | 30.50        | 9.27    | 7.95 | 3.0        | 1.85   | 101.7 |
| 175      | 2/6/2011 8:16  | 10.84  | 47.05  | 30.46        | 9.27    | 7.95 | 2.9        | 1.90   | 101.6 |
| 176      | 2/6/2011 8:31  | 10.85  | 47.05  | 30.46        | 9.28    | 7.95 | 2.9        | 1.95   | 101.7 |
| 177      | 2/6/2011 8:46  | 10.84  | 47.06  | 30.47        | 9.26    | 7.94 | 3.0        | 2.01   | 101.5 |
| 178      | 2/6/2011 9:01  | 10.78  | 46.68  | 30.20        | 9.18    | 7.93 | 3.4        | 2.10   | 100.3 |
| 179      | 2/6/2011 9:16  | 10.76  | 46.72  | 30.22        | 9.17    | 7.93 | 3.4        | 2.18   | 100.2 |
| 180      | 2/6/2011 9:31  | 10.77  | 47.00  | 30.42        | 9.16    | 7.93 | 3.3        | 2.25   | 100.2 |
| 181      | 2/6/2011 9:46  | 10.77  | 47.16  | 30.54        | 9.16    | 7.93 | 3.1        | 2.32   | 100.3 |
| 182      | 2/6/2011 10:01 | 10.73  | 47.37  | 30.69        | 9.14    | 7.92 | 3.1        | 2.40   | 100.0 |
| 183      | 2/6/2011 10:16 | 10.69  | 47.59  | 30.84        | 9.11    | 7.92 | 2.9        | 2.46   | 99.8  |
| 184      | 2/6/2011 10:31 | 10.65  | 47.84  | 31.03        | 9.16    | 7.92 | 2.5        | 2.52   | 100.4 |
| 185      | 2/6/2011 10:46 | 10.64  | 47.86  | 31.03        | 9.22    | 7.92 | 2.5        | 2.59   | 101.0 |
| 186      | 2/6/2011 11:01 | 10.63  | 47.83  | 31.02        | 9.23    | 7.92 | 2.3        | 2.66   | 101.1 |
| 187      | 2/6/2011 11:16 | 10.61  | 48.09  | 31.20        | 9.24    | 7.92 | 2.5        | 2.72   | 101.3 |
| 188      | 2/6/2011 11:31 | 10.61  | 48.02  | 31.15        | 9.25    | 7.92 | 2.2        | 2.78   | 101.4 |
| 189      | 2/6/2011 11:46 | 10.59  | 48.12  | 31.22        | 9.25    | 7.92 | 2.3        | 2.85   | 101.3 |
| 190      | 2/6/2011 12:01 | 10.54  | 48.21  | 31.29        | 9.22    | 7.91 | 2.7        | 2.90   | 101.0 |
| 191      | 2/6/2011 12:16 | 10.51  | 48.40  | 31.42        | 9.19    | 7.91 | 2.7        | 2.97   | 100.6 |
| 192      | 2/6/2011 12:31 | 10.48  | 48.37  | 31.39        | 9.19    | 7.91 | 2.6        | 3.03   | 100.5 |
| 193      | 2/6/2011 12:46 | 10.45  | 48.62  | 31.57        | 9.16    | 7.91 | 2.7        | 3.07   | 100.2 |
| 194      | 2/6/2011 13:01 | 10.41  | 48.51  | 31.49        | 9.18    | 7.91 | 2.4        | 3.13   | 100.3 |
| 195      | 2/6/2011 13:16 | 10.39  | 48.77  | 31.68        | 9.15    | 7.90 | 2.0        | 3.17   | 100.1 |
| 196      | 2/6/2011 13:31 | 10.39  | 48.73  | 31.65        | 9.09    | 7.90 | 1.8        | 3.17   | 99.5  |
| 197      | 2/6/2011 13:46 | 10.48  | 48.62  | 31.58        | 9.25    | 7.91 | 2.6        | 3.17   | 101.4 |
| 198      | 2/6/2011 14:01 | 10.42  | 48.76  | 31.67        | 9.09    | 7.90 | 2.7        | 3.17   | 99.5  |
| 199      | 2/6/2011 14:16 | 10.39  | 48.68  | 31.61        | 9.10    | 7.90 | 2.3        | 3.14   | 99.5  |
| 200      | 2/6/2011 14:31 | 10.45  | 48.45  | 31.45        | 9.22    | 7.91 | 3.1        | 3.08   | 100.8 |
| 201      | 2/6/2011 14:46 | 10.54  | 48.41  | 31.42        | 9.34    | 7.93 | 2.9        | 3.00   | 102.3 |
| 202      | 2/6/2011 15:01 | 10.69  | 48.30  | 31.36        | 9.53    | 7.94 | 2.6        | 2.95   | 104.7 |
| 203      | 2/6/2011 15:16 | 10.68  | 48.19  | 31.28        | 9.50    | 7.94 | 2.6        | 2.87   | 104.3 |
| 204      | 2/6/2011 15:31 | 10.66  | 48.31  | 31.36        | 9.51    | 7.94 | 2.7        | 2.75   | 104.4 |
| 205      | 2/6/2011 15:46 | 10.67  | 48.18  | 31.27        | 9.52    | 7.94 | 2.7        | 2.67   | 104.5 |
| 206      | 2/6/2011 16:01 | 10.75  | 48.19  | 31.28        | 9.60    | 7.95 | 2.6        | 2.58   | 105.6 |
| 207      | 2/6/2011 16:16 | 10.78  | 47.90  | 31.07        | 9.68    | 7.96 | 2.7        | 2.50   | 106.4 |
| 208      | 2/6/2011 16:31 | 10.78  | 47.93  | 31.10        | 9.66    | 7.96 | 2.6        | 2.38   | 106.2 |
| 209      | 2/6/2011 16:46 | 10.83  | 47.55  | 30.83        | 9.63    | 7.96 | 4.2        | 2.27   | 105.8 |
| 210      | 2/6/2011 17:01 | 10.88  | 47.39  | 30.71        | 9.63    | 7.96 | 3.3        | 2.19   | 105.8 |
| 211      | 2/6/2011 17:16 | 10.91  | 47.39  | 30.71        | 9.63    | 7.97 | 3.2        | 2.08   | 105.9 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 212      | 2/6/2011 17:31 | 10.91  | 47.43  | 30.74        | 9.65    | 7.97 | 3.2               | 1.99            | 106.2 |
| 213      | 2/6/2011 17:46 | 10.95  | 47.17  | 30.56        | 9.72    | 7.98 | 3.1               | 1.88            | 106.9 |
| 214      | 2/6/2011 18:01 | 10.98  | 47.31  | 30.66        | 9.75    | 7.99 | 3.0               | 1.80            | 107.3 |
| 215      | 2/6/2011 18:16 | 11.01  | 47.28  | 30.64        | 9.75    | 7.99 | 3.1               | 1.72            | 107.4 |
| 216      | 2/6/2011 18:31 | 11.05  | 47.16  | 30.56        | 9.78    | 7.99 | 2.6               | 1.64            | 107.7 |
| 217      | 2/6/2011 18:46 | 11.09  | 47.10  | 30.52        | 9.85    | 8.00 | 2.4               | 1.58            | 108.6 |
| 218      | 2/6/2011 19:01 | 11.12  | 47.06  | 30.48        | 9.86    | 8.00 | 2.3               | 1.54            | 108.7 |
| 219      | 2/6/2011 19:16 | 11.10  | 46.86  | 30.34        | 9.80    | 8.00 | 2.3               | 1.51            | 107.9 |
| 220      | 2/6/2011 19:31 | 11.10  | 47.02  | 30.46        | 9.74    | 8.00 | 2.3               | 1.49            | 107.4 |
| 221      | 2/6/2011 19:46 | 11.05  | 47.00  | 30.44        | 9.69    | 7.99 | 2.4               | 1.48            | 106.7 |
| 222      | 2/6/2011 20:01 | 11.06  | 46.94  | 30.40        | 9.77    | 7.99 | 2.3               | 1.53            | 107.6 |
| 223      | 2/6/2011 20:16 | 11.05  | 47.10  | 30.51        | 9.73    | 7.99 | 2.2               | 1.54            | 107.2 |
| 224      | 2/6/2011 20:31 | 11.07  | 47.12  | 30.53        | 9.73    | 7.99 | 2.2               | 1.61            | 107.2 |
| 225      | 2/6/2011 20:46 | 11.06  | 47.00  | 30.44        | 9.76    | 7.99 | 2.4               | 1.67            | 107.5 |
| 226      | 2/6/2011 21:01 | 11.05  | 46.96  | 30.41        | 9.74    | 7.99 | 2.7               | 1.76            | 107.2 |
| 227      | 2/6/2011 21:16 | 11.03  | 47.00  | 30.44        | 9.66    | 7.97 | 2.7               | 1.83            | 106.3 |
| 228      | 2/6/2011 21:31 | 11.01  | 46.79  | 30.29        | 9.64    | 7.97 | 2.9               | 1.91            | 105.9 |
| 229      | 2/6/2011 21:46 | 11.01  | 47.04  | 30.47        | 9.58    | 7.97 | 2.7               | 2.00            | 105.4 |
| 230      | 2/6/2011 22:01 | 10.99  | 47.05  | 30.47        | 9.60    | 7.97 | 2.8               | 2.08            | 105.5 |
| 231      | 2/6/2011 22:16 | 10.94  | 47.24  | 30.61        | 9.52    | 7.96 | 2.5               | 2.16            | 104.7 |
| 232      | 2/6/2011 22:31 | 10.88  | 47.26  | 30.62        | 9.46    | 7.95 | 2.6               | 2.25            | 103.9 |
| 233      | 2/6/2011 22:46 | 10.84  | 47.48  | 30.77        | 9.45    | 7.94 | 3.1               | 2.33            | 103.8 |
| 234      | 2/6/2011 23:01 | 10.79  | 47.65  | 30.89        | 9.44    | 7.94 | 2.7               | 2.41            | 103.6 |
| 235      | 2/6/2011 23:16 | 10.78  | 47.78  | 30.99        | 9.44    | 7.94 | 2.9               | 2.51            | 103.6 |
| 236      | 2/6/2011 23:31 | 10.76  | 47.79  | 31.00        | 9.43    | 7.94 | 2.9               | 2.57            | 103.5 |
| 237      | 2/6/2011 23:46 | 10.73  | 47.94  | 31.10        | 9.42    | 7.93 | 2.9               | 2.65            | 103.5 |
| 238      | 2/7/2011 0:01  | 10.70  | 48.15  | 31.25        | 9.39    | 7.93 | 3.1               | 2.75            | 103.1 |
| 239      | 2/7/2011 0:16  | 10.64  | 48.10  | 31.21        | 9.37    | 7.93 | 3.9               | 2.82            | 102.8 |
| 240      | 2/7/2011 0:31  | 10.60  | 48.16  | 31.25        | 9.32    | 7.92 | 3.9               | 2.88            | 102.1 |
| 241      | 2/7/2011 0:46  | 10.46  | 48.43  | 31.43        | 9.27    | 7.91 | 4.8               | 2.96            | 101.4 |
| 242      | 2/7/2011 1:01  | 10.43  | 48.06  | 31.17        | 9.28    | 7.91 | 4.4               | 3.04            | 101.2 |
| 243      | 2/7/2011 1:16  | 10.37  | 48.57  | 31.53        | 9.21    | 7.90 | 4.5               | 3.10            | 100.6 |
| 244      | 2/7/2011 1:31  | 10.27  | 49.09  | 31.90        | 9.12    | 7.89 | 4.9               | 3.15            | 99.6  |
| 245      | 2/7/2011 1:46  | 10.22  | 49.12  | 31.92        | 9.11    | 7.89 | 4.4               | 3.22            | 99.5  |
| 246      | 2/7/2011 2:01  | 10.17  | 49.33  | 32.07        | 9.02    | 7.89 | 2.9               | 3.26            | 98.4  |
| 247      | 2/7/2011 2:16  | 10.15  | 49.21  | 31.98        | 8.94    | 7.88 | 2.3               | 3.28            | 97.5  |
| 248      | 2/7/2011 2:31  | 10.21  | 49.04  | 31.86        | 9.00    | 7.89 | 3.5               | 3.28            | 98.2  |
| 249      | 2/7/2011 2:46  | 10.16  | 49.39  | 32.11        | 8.96    | 7.88 | 3.5               | 3.29            | 97.8  |
| 250      | 2/7/2011 3:01  | 10.14  | 49.38  | 32.11        | 8.95    | 7.88 | 3.2               | 3.24            | 97.6  |
| 251      | 2/7/2011 3:16  | 10.38  | 48.53  | 31.50        | 9.05    | 7.90 | 4.6               | 3.17            | 98.9  |
| 252      | 2/7/2011 3:31  | 10.48  | 47.99  | 31.12        | 9.15    | 7.91 | 4.6               | 3.12            | 99.9  |
| 253      | 2/7/2011 3:46  | 10.40  | 48.43  | 31.43        | 9.14    | 7.91 | 3.1               | 3.06            | 99.9  |
| 254      | 2/7/2011 4:01  | 10.49  | 48.25  | 31.31        | 9.16    | 7.91 | 3.8               | 2.94            | 100.1 |
| 255      | 2/7/2011 4:16  | 10.41  | 48.29  | 31.34        | 9.14    | 7.90 | 4.0               | 2.86            | 99.8  |
| 256      | 2/7/2011 4:31  | 10.48  | 48.18  | 31.26        | 9.16    | 7.91 | 3.4               | 2.81            | 100.1 |
| 257      | 2/7/2011 4:46  | 10.54  | 47.89  | 31.06        | 9.15    | 7.91 | 3.1               | 2.71            | 100.0 |
| 258      | 2/7/2011 5:01  | 10.59  | 47.91  | 31.07        | 9.15    | 7.92 | 3.1               | 2.63            | 100.1 |
| 259      | 2/7/2011 5:16  | 10.59  | 47.97  | 31.11        | 9.15    | 7.91 | 2.6               | 2.53            | 100.1 |
| 260      | 2/7/2011 5:31  | 10.58  | 47.77  | 30.97        | 9.17    | 7.92 | 3.4               | 2.44            | 100.3 |
| 261      | 2/7/2011 5:46  | 10.63  | 47.44  | 30.74        | 9.18    | 7.92 | 3.9               | 2.35            | 100.4 |
| 262      | 2/7/2011 6:01  | 10.64  | 47.50  | 30.78        | 9.18    | 7.92 | 3.1               | 2.24            | 100.4 |
| 263      | 2/7/2011 6:16  | 10.67  | 47.21  | 30.57        | 9.20    | 7.92 | 3.0               | 2.14            | 100.6 |
| 264      | 2/7/2011 6:31  | 10.70  | 47.35  | 30.67        | 9.20    | 7.93 | 2.7               | 2.08            | 100.7 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 265      | 2/7/2011 6:46  | 10.72  | 47.16  | 30.54        | 9.20    | 7.93 | 2.6               | 2.00            | 100.6 |
| 266      | 2/7/2011 7:01  | 10.72  | 47.24  | 30.60        | 9.17    | 7.93 | 2.6               | 1.92            | 100.3 |
| 267      | 2/7/2011 7:16  | 10.76  | 47.16  | 30.54        | 9.16    | 7.93 | 2.2               | 1.82            | 100.2 |
| 268      | 2/7/2011 7:31  | 10.76  | 47.28  | 30.63        | 9.14    | 7.94 | 2.1               | 1.81            | 100.1 |
| 269      | 2/7/2011 7:46  | 10.77  | 47.08  | 30.48        | 9.14    | 7.94 | 1.8               | 1.79            | 100.1 |
| 270      | 2/7/2011 8:01  | 10.73  | 47.19  | 30.56        | 9.05    | 7.93 | 2.2               | 1.73            | 99.1  |
| 271      | 2/7/2011 8:16  | 10.78  | 47.10  | 30.49        | 8.95    | 7.93 | 1.5               | 1.71            | 98.0  |
| 272      | 2/7/2011 8:31  | 10.76  | 47.11  | 30.50        | 9.17    | 7.94 | 2.0               | 1.83            | 100.4 |
| 273      | 2/7/2011 8:46  | 10.77  | 47.15  | 30.54        | 9.13    | 7.93 | 2.1               | 1.83            | 100.0 |
| 274      | 2/7/2011 9:01  | 10.77  | 47.09  | 30.49        | 9.14    | 7.93 | 1.9               | 1.82            | 100.0 |
| 275      | 2/7/2011 9:16  | 10.77  | 47.16  | 30.54        | 9.09    | 7.93 | 1.8               | 1.91            | 99.5  |
| 276      | 2/7/2011 9:31  | 10.74  | 46.99  | 30.41        | 9.12    | 7.93 | 2.3               | 2.00            | 99.7  |
| 277      | 2/7/2011 9:46  | 10.73  | 46.92  | 30.37        | 9.09    | 7.92 | 2.2               | 2.02            | 99.4  |
| 278      | 2/7/2011 10:01 | 10.72  | 47.04  | 30.45        | 9.03    | 7.92 | 2.1               | 2.08            | 98.7  |
| 279      | 2/7/2011 10:16 | 10.71  | 47.03  | 30.44        | 9.02    | 7.92 | 2.0               | 2.15            | 98.6  |
| 280      | 2/7/2011 10:31 | 10.69  | 47.16  | 30.54        | 9.05    | 7.91 | 2.3               | 2.21            | 99.0  |
| 281      | 2/7/2011 10:46 | 10.66  | 47.25  | 30.60        | 9.07    | 7.91 | 2.4               | 2.27            | 99.1  |
| 282      | 2/7/2011 11:01 | 10.62  | 47.47  | 30.75        | 9.03    | 7.91 | 2.0               | 2.35            | 98.7  |
| 283      | 2/7/2011 11:16 | 10.60  | 47.68  | 30.90        | 9.06    | 7.91 | 2.5               | 2.41            | 99.1  |
| 284      | 2/7/2011 11:31 | 10.61  | 47.52  | 30.79        | 9.08    | 7.91 | 2.6               | 2.46            | 99.3  |
| 285      | 2/7/2011 11:46 | 10.61  | 47.71  | 30.93        | 9.12    | 7.91 | 2.2               | 2.52            | 99.8  |
| 286      | 2/7/2011 12:01 | 10.62  | 47.99  | 31.13        | 9.16    | 7.91 | 2.1               | 2.58            | 100.4 |
| 287      | 2/7/2011 12:16 | 10.62  | 48.02  | 31.15        | 9.19    | 7.91 | 2.2               | 2.63            | 100.7 |
| 288      | 2/7/2011 12:31 | 10.62  | 47.92  | 31.08        | 9.20    | 7.91 | 2.0               | 2.67            | 100.7 |
| 289      | 2/7/2011 12:46 | 10.62  | 47.93  | 31.08        | 9.18    | 7.91 | 1.9               | 2.74            | 100.5 |
| 290      | 2/7/2011 13:01 | 10.60  | 48.21  | 31.28        | 9.18    | 7.91 | 2.1               | 2.79            | 100.6 |
| 291      | 2/7/2011 13:16 | 10.60  | 48.17  | 31.26        | 9.14    | 7.91 | 1.8               | 2.82            | 100.2 |
| 292      | 2/7/2011 13:31 | 10.59  | 48.38  | 31.41        | 9.07    | 7.90 | 1.6               | 2.87            | 99.5  |
| 293      | 2/7/2011 13:46 | 10.55  | 48.10  | 31.20        | 9.08    | 7.90 | 1.8               | 2.90            | 99.4  |
| 294      | 2/7/2011 14:01 | 10.55  | 48.40  | 31.42        | 8.95    | 7.90 | 2.7               | 2.91            | 98.1  |
| 295      | 2/7/2011 14:16 | 10.56  | 48.38  | 31.41        | 9.00    | 7.90 | 2.6               | 2.94            | 98.7  |
| 296      | 2/7/2011 14:31 | 10.57  | 48.35  | 31.38        | 8.97    | 7.90 | 2.3               | 2.93            | 98.4  |
| 297      | 2/7/2011 14:46 | 10.75  | 48.05  | 31.18        | 9.19    | 7.91 | 7.3               | 2.89            | 101.0 |
| 298      | 2/7/2011 15:01 | 10.87  | 48.21  | 31.30        | 9.42    | 7.93 | 14.3              | 2.87            | 103.9 |
| 299      | 2/7/2011 15:16 | 10.83  | 48.06  | 31.19        | 9.43    | 7.93 | 15.7              | 2.84            | 103.8 |
| 300      | 2/7/2011 15:31 | 10.78  | 48.04  | 31.18        | 9.46    | 7.93 | 21.4              | 2.75            | 104.0 |
| 301      | 2/7/2011 15:46 | 10.73  | 48.34  | 31.38        | 9.41    | 7.92 | 26.1              | 2.70            | 103.5 |
| 302      | 2/7/2011 16:01 | 10.83  | 47.94  | 31.10        | 9.36    | 7.93 | 42.8              | 2.65            | 103.0 |
| 303      | 2/7/2011 16:16 | 10.83  | 47.69  | 30.92        | 9.37    | 7.93 | 46.4              | 2.57            | 103.0 |
| 304      | 2/7/2011 16:31 | 10.77  | 47.95  | 31.11        | 9.35    | 7.92 | 58.7              | 2.47            | 102.7 |
| 305      | 2/7/2011 16:46 | 10.77  | 47.64  | 30.89        | 9.33    | 7.93 | 61.1              | 2.39            | 102.4 |
| 306      | 2/7/2011 17:01 | 10.75  | 47.63  | 30.88        | 9.33    | 7.93 | 57.1              | 2.31            | 102.4 |
| 307      | 2/7/2011 17:16 | 10.69  | 47.40  | 30.71        | 9.33    | 7.93 | 49.3              | 2.22            | 102.1 |
| 308      | 2/7/2011 17:31 | 10.69  | 47.34  | 30.66        | 9.30    | 7.93 | 52.2              | 2.13            | 101.8 |
| 309      | 2/7/2011 17:46 | 10.65  | 47.25  | 30.60        | 9.29    | 7.92 | 50.6              | 2.05            | 101.5 |
| 310      | 2/7/2011 18:01 | 10.66  | 47.27  | 30.61        | 9.25    | 7.92 | 47.6              | 1.97            | 101.1 |
| 311      | 2/7/2011 18:16 | 10.74  | 47.13  | 30.52        | 9.26    | 7.93 | 44.6              | 1.88            | 101.4 |
| 312      | 2/7/2011 18:31 | 10.72  | 47.32  | 30.65        | 9.27    | 7.93 | 42.4              | 1.80            | 101.4 |
| 313      | 2/7/2011 18:46 | 10.66  | 47.10  | 30.49        | 9.27    | 7.93 | 36.3              | 1.75            | 101.2 |
| 314      | 2/7/2011 19:01 | 10.65  | 47.08  | 30.48        | 9.28    | 7.93 | 37.2              | 1.67            | 101.3 |
| 315      | 2/7/2011 19:16 | 10.62  | 47.35  | 30.67        | 9.27    | 7.93 | 36.5              | 1.62            | 101.3 |
| 316      | 2/7/2011 19:31 | 10.64  | 47.15  | 30.53        | 9.21    | 7.93 | 29.8              | 1.60            | 100.5 |
| 317      | 2/7/2011 19:46 | 10.65  | 47.28  | 30.62        | 9.23    | 7.94 | 30.6              | 1.55            | 100.8 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 318      | 2/7/2011 20:01 | 10.64  | 47.21  | 30.57        | 9.13    | 7.94 | 24.2              | 1.57            | 99.8  |
| 319      | 2/7/2011 20:16 | 10.64  | 47.19  | 30.55        | 9.25    | 7.94 | 27.2              | 1.57            | 101.0 |
| 320      | 2/7/2011 20:31 | 10.63  | 47.07  | 30.47        | 9.19    | 7.94 | 23.6              | 1.57            | 100.3 |
| 321      | 2/7/2011 20:46 | 10.83  | 46.90  | 30.36        | 9.26    | 7.95 | 24.4              | 1.62            | 101.4 |
| 322      | 2/7/2011 21:01 | 10.75  | 46.91  | 30.36        | 9.31    | 7.95 | 23.7              | 1.67            | 101.8 |
| 323      | 2/7/2011 21:16 | 10.88  | 47.03  | 30.45        | 9.25    | 7.95 | 20.6              | 1.72            | 101.5 |
| 324      | 2/7/2011 21:31 | 10.90  | 46.98  | 30.42        | 9.21    | 7.95 | 20.5              | 1.77            | 101.1 |
| 325      | 2/7/2011 21:46 | 10.83  | 47.05  | 30.47        | 9.22    | 7.94 | 20.0              | 1.84            | 101.1 |
| 326      | 2/7/2011 22:01 | 10.82  | 46.99  | 30.42        | 9.23    | 7.94 | 24.4              | 1.92            | 101.1 |
| 327      | 2/7/2011 22:16 | 10.86  | 47.06  | 30.47        | 9.18    | 7.93 | 22.2              | 1.99            | 100.6 |
| 328      | 2/7/2011 22:31 | 10.85  | 46.94  | 30.39        | 9.22    | 7.94 | 21.4              | 2.07            | 101.0 |
| 329      | 2/7/2011 22:46 | 10.88  | 46.77  | 30.27        | 9.20    | 7.94 | 19.1              | 2.15            | 100.8 |
| 330      | 2/7/2011 23:01 | 10.86  | 46.93  | 30.38        | 9.22    | 7.93 | 19.6              | 2.22            | 101.0 |
| 331      | 2/7/2011 23:16 | 10.82  | 46.70  | 30.22        | 9.21    | 7.93 | 18.1              | 2.30            | 100.8 |
| 332      | 2/7/2011 23:31 | 10.80  | 46.98  | 30.41        | 9.15    | 7.92 | 15.0              | 2.38            | 100.1 |
| 333      | 2/7/2011 23:46 | 10.74  | 47.35  | 30.67        | 9.13    | 7.92 | 15.9              | 2.47            | 100.0 |
| 334      | 2/8/2011 0:01  | 10.70  | 47.56  | 30.82        | 9.18    | 7.92 | 24.7              | 2.53            | 100.5 |
| 335      | 2/8/2011 0:16  | 10.66  | 47.76  | 30.96        | 9.16    | 7.91 | 21.4              | 2.61            | 100.3 |
| 336      | 2/8/2011 0:31  | 10.60  | 47.64  | 30.88        | 9.18    | 7.91 | 19.7              | 2.69            | 100.3 |
| 337      | 2/8/2011 0:46  | 10.56  | 47.78  | 30.97        | 9.18    | 7.91 | 21.2              | 2.74            | 100.3 |
| 338      | 2/8/2011 1:01  | 10.50  | 47.94  | 31.08        | 9.15    | 7.91 | 20.0              | 2.82            | 99.9  |
| 339      | 2/8/2011 1:16  | 10.44  | 48.27  | 31.32        | 9.11    | 7.90 | 21.4              | 2.89            | 99.5  |
| 340      | 2/8/2011 1:31  | 10.38  | 48.11  | 31.20        | 9.12    | 7.90 | 20.3              | 2.95            | 99.4  |
| 341      | 2/8/2011 1:46  | 10.29  | 48.18  | 31.25        | 9.12    | 7.89 | 16.2              | 3.00            | 99.2  |
| 342      | 2/8/2011 2:01  | 10.19  | 48.50  | 31.47        | 9.08    | 7.89 | 13.9              | 3.06            | 98.8  |
| 343      | 2/8/2011 2:16  | 10.07  | 48.78  | 31.66        | 9.11    | 7.88 | 10.3              | 3.10            | 98.9  |
| 344      | 2/8/2011 2:31  | 10.01  | 49.25  | 32.00        | 9.11    | 7.88 | 8.8               | 3.12            | 99.0  |
| 345      | 2/8/2011 2:46  | 10.00  | 48.83  | 31.69        | 9.10    | 7.88 | 6.8               | 3.16            | 98.7  |
| 346      | 2/8/2011 3:01  | 9.97   | 49.27  | 32.01        | 9.00    | 7.88 | 6.7               | 3.17            | 97.8  |
| 347      | 2/8/2011 3:16  | 10.01  | 48.80  | 31.68        | 9.04    | 7.88 | 30.5              | 3.14            | 98.0  |
| 348      | 2/8/2011 3:31  | 10.02  | 49.30  | 32.04        | 9.02    | 7.87 | 11.0              | 3.13            | 98.1  |
| 349      | 2/8/2011 3:46  | 10.06  | 48.89  | 31.74        | 9.08    | 7.88 | 10.6              | 3.09            | 98.7  |
| 350      | 2/8/2011 4:01  | 10.12  | 47.79  | 30.95        | 9.11    | 7.90 | 15.4              | 3.04            | 98.6  |
| 351      | 2/8/2011 4:16  | 10.07  | 48.24  | 31.27        | 9.08    | 7.90 | 12.7              | 2.98            | 98.4  |
| 352      | 2/8/2011 4:31  | 10.03  | 48.08  | 31.16        | 9.07    | 7.90 | 12.0              | 2.90            | 98.2  |
| 353      | 2/8/2011 4:46  | 9.96   | 48.57  | 31.51        | 9.04    | 7.89 | 11.2              | 2.84            | 97.9  |
| 354      | 2/8/2011 5:01  | 10.05  | 47.77  | 30.93        | 9.08    | 7.90 | 10.8              | 2.73            | 98.1  |
| 355      | 2/8/2011 5:16  | 9.98   | 48.44  | 31.41        | 9.03    | 7.89 | 9.0               | 2.67            | 97.7  |
| 356      | 2/8/2011 5:31  | 9.94   | 48.20  | 31.24        | 9.03    | 7.89 | 8.9               | 2.59            | 97.6  |
| 357      | 2/8/2011 5:46  | 9.91   | 48.05  | 31.13        | 9.02    | 7.90 | 9.6               | 2.50            | 97.3  |
| 358      | 2/8/2011 6:01  | 9.96   | 47.86  | 31.00        | 9.07    | 7.90 | 13.8              | 2.41            | 97.8  |
| 359      | 2/8/2011 6:16  | 10.21  | 46.95  | 30.36        | 9.09    | 7.92 | 20.4              | 2.33            | 98.2  |
| 360      | 2/8/2011 6:31  | 10.11  | 47.00  | 30.39        | 9.08    | 7.91 | 17.9              | 2.23            | 97.9  |
| 361      | 2/8/2011 6:46  | 10.03  | 47.44  | 30.70        | 9.07    | 7.92 | 18.7              | 2.13            | 97.9  |
| 362      | 2/8/2011 7:01  | 10.03  | 47.40  | 30.67        | 9.08    | 7.92 | 15.9              | 2.04            | 97.9  |
| 363      | 2/8/2011 7:16  | 9.98   | 47.47  | 30.72        | 9.09    | 7.92 | 14.2              | 1.98            | 98.0  |
| 364      | 2/8/2011 7:31  | 9.93   | 47.11  | 30.46        | 9.09    | 7.92 | 13.8              | 1.88            | 97.7  |
| 365      | 2/8/2011 7:46  | 9.87   | 47.40  | 30.66        | 9.05    | 7.92 | 13.4              | 1.82            | 97.2  |
| 366      | 2/8/2011 8:01  | 9.91   | 47.29  | 30.58        | 8.98    | 7.92 | 13.1              | 1.77            | 96.5  |
| 367      | 2/8/2011 8:16  | 9.88   | 47.24  | 30.54        | 9.05    | 7.93 | 12.9              | 1.72            | 97.2  |
| 368      | 2/8/2011 8:31  | 9.86   | 47.03  | 30.39        | 9.02    | 7.92 | 11.9              | 1.68            | 96.7  |
| 369      | 2/8/2011 8:46  | 9.85   | 47.01  | 30.38        | 8.99    | 7.93 | 10.3              | 1.65            | 96.4  |
| 370      | 2/8/2011 9:01  | 9.82   | 46.93  | 30.32        | 9.09    | 7.93 | 11.6              | 1.67            | 97.4  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 371      | 2/8/2011 9:16  | 9.85   | 47.28  | 30.57        | 9.05    | 7.92 | 10.3              | 1.68            | 97.1  |
| 372      | 2/8/2011 9:31  | 9.87   | 47.35  | 30.63        | 8.99    | 7.92 | 10.1              | 1.69            | 96.6  |
| 373      | 2/8/2011 9:46  | 9.91   | 47.33  | 30.61        | 8.98    | 7.92 | 9.7               | 1.75            | 96.5  |
| 374      | 2/8/2011 10:01 | 9.93   | 47.26  | 30.56        | 9.02    | 7.93 | 10.9              | 1.78            | 97.0  |
| 375      | 2/8/2011 10:16 | 9.96   | 46.93  | 30.33        | 9.03    | 7.92 | 10.3              | 1.85            | 97.1  |
| 376      | 2/8/2011 10:31 | 9.97   | 46.74  | 30.20        | 9.03    | 7.92 | 10.8              | 1.90            | 96.9  |
| 377      | 2/8/2011 10:46 | 10.01  | 47.28  | 30.59        | 8.96    | 7.92 | 8.9               | 1.96            | 96.6  |
| 378      | 2/8/2011 11:01 | 10.00  | 46.73  | 30.19        | 9.05    | 7.92 | 11.3              | 2.02            | 97.2  |
| 379      | 2/8/2011 11:16 | 10.00  | 47.05  | 30.42        | 8.96    | 7.92 | 10.1              | 2.07            | 96.4  |
| 380      | 2/8/2011 11:31 | 10.00  | 47.02  | 30.39        | 9.00    | 7.92 | 9.6               | 2.14            | 96.8  |
| 381      | 2/8/2011 11:46 | 9.99   | 46.87  | 30.29        | 9.02    | 7.92 | 10.7              | 2.18            | 96.9  |
| 382      | 2/8/2011 12:01 | 10.03  | 46.99  | 30.37        | 8.98    | 7.91 | 9.5               | 2.25            | 96.7  |
| 383      | 2/8/2011 12:16 | 10.08  | 47.32  | 30.62        | 9.01    | 7.91 | 9.3               | 2.30            | 97.2  |
| 384      | 2/8/2011 12:31 | 10.13  | 47.32  | 30.62        | 9.05    | 7.91 | 8.8               | 2.35            | 97.8  |
| 385      | 2/8/2011 12:46 | 10.12  | 46.95  | 30.35        | 9.04    | 7.91 | 8.1               | 2.40            | 97.5  |
| 386      | 2/8/2011 13:01 | 10.11  | 47.19  | 30.52        | 8.89    | 7.90 | 5.8               | 2.44            | 96.0  |
| 387      | 2/8/2011 13:16 | 10.13  | 47.77  | 30.94        | 8.91    | 7.89 | 5.1               | 2.48            | 96.5  |
| 388      | 2/8/2011 13:31 | 10.15  | 47.79  | 30.96        | 8.95    | 7.90 | 5.6               | 2.53            | 97.0  |
| 389      | 2/8/2011 13:46 | 10.20  | 47.80  | 30.97        | 8.96    | 7.90 | 5.2               | 2.57            | 97.2  |
| 390      | 2/8/2011 14:01 | 10.24  | 47.85  | 31.01        | 9.07    | 7.90 | 5.4               | 2.60            | 98.4  |
| 391      | 2/8/2011 14:16 | 10.50  | 47.71  | 30.92        | 9.11    | 7.93 | 6.8               | 2.63            | 99.4  |
| 392      | 2/8/2011 14:31 | 10.23  | 47.93  | 31.06        | 9.05    | 7.90 | 5.1               | 2.67            | 98.3  |
| 393      | 2/8/2011 14:46 | 10.53  | 47.78  | 30.98        | 9.15    | 7.94 | 7.7               | 2.66            | 100.0 |
| 394      | 2/8/2011 15:01 | 10.25  | 47.83  | 30.99        | 8.91    | 7.90 | 4.2               | 2.67            | 96.7  |
| 395      | 2/8/2011 15:16 | 10.37  | 47.78  | 30.96        | 9.04    | 7.91 | 10.4              | 2.66            | 98.4  |
| 396      | 2/8/2011 15:31 | 10.79  | 47.69  | 30.92        | 9.52    | 7.96 | 32.0              | 2.64            | 104.5 |
| 397      | 2/8/2011 15:46 | 10.47  | 47.66  | 30.89        | 9.34    | 7.93 | 18.8              | 2.63            | 101.8 |
| 398      | 2/8/2011 16:01 | 10.38  | 47.82  | 31.00        | 9.39    | 7.93 | 26.9              | 2.57            | 102.2 |
| 399      | 2/8/2011 16:16 | 10.34  | 47.69  | 30.90        | 9.41    | 7.93 | 26.6              | 2.52            | 102.4 |
| 400      | 2/8/2011 16:31 | 10.28  | 47.70  | 30.90        | 9.39    | 7.93 | 24.7              | 2.50            | 101.9 |
| 401      | 2/8/2011 16:46 | 10.23  | 47.94  | 31.07        | 9.38    | 7.93 | 26.2              | 2.42            | 101.8 |
| 402      | 2/8/2011 17:01 | 10.14  | 47.72  | 30.91        | 9.38    | 7.93 | 27.8              | 2.36            | 101.5 |
| 403      | 2/8/2011 17:16 | 10.07  | 48.00  | 31.10        | 9.36    | 7.92 | 27.6              | 2.31            | 101.3 |
| 404      | 2/8/2011 17:31 | 10.02  | 47.53  | 30.76        | 9.37    | 7.92 | 29.3              | 2.25            | 101.1 |
| 405      | 2/8/2011 17:46 | 9.95   | 47.74  | 30.91        | 9.39    | 7.93 | 35.3              | 2.16            | 101.2 |
| 406      | 2/8/2011 18:01 | 9.94   | 47.49  | 30.73        | 9.35    | 7.93 | 35.5              | 2.09            | 100.7 |
| 407      | 2/8/2011 18:16 | 9.88   | 47.56  | 30.77        | 9.31    | 7.93 | 32.8              | 2.03            | 100.2 |
| 408      | 2/8/2011 18:31 | 9.76   | 47.62  | 30.81        | 9.33    | 7.93 | 33.6              | 1.96            | 100.2 |
| 409      | 2/8/2011 18:46 | 9.80   | 47.54  | 30.76        | 9.29    | 7.93 | 27.8              | 1.90            | 99.7  |
| 410      | 2/8/2011 19:01 | 9.83   | 47.33  | 30.61        | 9.31    | 7.93 | 25.6              | 1.84            | 99.9  |
| 411      | 2/8/2011 19:16 | 9.85   | 47.17  | 30.49        | 9.30    | 7.93 | 24.4              | 1.78            | 99.8  |
| 412      | 2/8/2011 19:31 | 9.85   | 47.41  | 30.66        | 9.31    | 7.93 | 23.5              | 1.77            | 100.0 |
| 413      | 2/8/2011 19:46 | 9.90   | 47.08  | 30.43        | 9.26    | 7.93 | 20.8              | 1.72            | 99.4  |
| 414      | 2/8/2011 20:01 | 9.93   | 47.31  | 30.60        | 9.25    | 7.93 | 23.2              | 1.69            | 99.5  |
| 415      | 2/8/2011 20:16 | 9.95   | 47.13  | 30.47        | 9.35    | 7.93 | 21.5              | 1.71            | 100.5 |
| 416      | 2/8/2011 20:31 | 9.91   | 47.28  | 30.58        | 9.19    | 7.93 | 18.6              | 1.72            | 98.8  |
| 417      | 2/8/2011 20:46 | 9.94   | 47.35  | 30.63        | 9.25    | 7.93 | 20.3              | 1.71            | 99.6  |
| 418      | 2/8/2011 21:01 | 9.93   | 47.33  | 30.62        | 9.27    | 7.93 | 18.4              | 1.74            | 99.7  |
| 419      | 2/8/2011 21:16 | 9.94   | 46.97  | 30.35        | 9.32    | 7.93 | 21.5              | 1.78            | 100.1 |
| 420      | 2/8/2011 21:31 | 10.01  | 47.25  | 30.56        | 9.24    | 7.93 | 21.5              | 1.83            | 99.6  |
| 421      | 2/8/2011 21:46 | 10.00  | 47.31  | 30.61        | 9.25    | 7.92 | 19.8              | 1.85            | 99.7  |
| 422      | 2/8/2011 22:01 | 9.91   | 46.96  | 30.35        | 9.30    | 7.93 | 18.1              | 1.91            | 99.8  |
| 423      | 2/8/2011 22:16 | 9.99   | 47.21  | 30.53        | 9.21    | 7.92 | 15.4              | 1.97            | 99.1  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 424      | 2/8/2011 22:31 | 10.01  | 46.84  | 30.27        | 9.22    | 7.92 | 14.7              | 2.02            | 99.1 |
| 425      | 2/8/2011 22:46 | 9.99   | 47.16  | 30.50        | 9.20    | 7.92 | 14.3              | 2.08            | 99.0 |
| 426      | 2/8/2011 23:01 | 10.03  | 47.16  | 30.50        | 9.18    | 7.92 | 15.2              | 2.14            | 98.9 |
| 427      | 2/8/2011 23:16 | 10.10  | 47.38  | 30.66        | 9.17    | 7.91 | 14.2              | 2.23            | 99.0 |
| 428      | 2/8/2011 23:31 | 10.04  | 47.39  | 30.67        | 9.16    | 7.91 | 11.1              | 2.28            | 98.8 |
| 429      | 2/8/2011 23:46 | 9.93   | 47.48  | 30.72        | 9.21    | 7.91 | 11.9              | 2.36            | 99.1 |
| 430      | 2/9/2011 0:01  | 9.90   | 47.62  | 30.82        | 9.22    | 7.91 | 12.4              | 2.44            | 99.3 |
| 431      | 2/9/2011 0:16  | 10.00  | 47.88  | 31.01        | 9.18    | 7.90 | 10.8              | 2.50            | 99.1 |
| 432      | 2/9/2011 0:31  | 9.98   | 48.09  | 31.16        | 9.16    | 7.90 | 11.7              | 2.58            | 99.0 |
| 433      | 2/9/2011 0:46  | 9.92   | 48.16  | 31.21        | 9.19    | 7.90 | 13.7              | 2.65            | 99.3 |
| 434      | 2/9/2011 1:01  | 9.89   | 47.90  | 31.02        | 9.22    | 7.90 | 14.0              | 2.73            | 99.4 |
| 435      | 2/9/2011 1:16  | 9.90   | 48.27  | 31.28        | 9.21    | 7.90 | 11.2              | 2.78            | 99.4 |
| 436      | 2/9/2011 1:31  | 9.86   | 48.27  | 31.29        | 9.22    | 7.90 | 12.6              | 2.85            | 99.5 |
| 437      | 2/9/2011 1:46  | 9.78   | 48.45  | 31.41        | 9.23    | 7.89 | 11.5              | 2.91            | 99.5 |
| 438      | 2/9/2011 2:01  | 9.73   | 48.23  | 31.25        | 9.26    | 7.89 | 9.2               | 2.97            | 99.6 |
| 439      | 2/9/2011 2:16  | 9.71   | 48.59  | 31.50        | 9.24    | 7.89 | 8.4               | 3.03            | 99.4 |
| 440      | 2/9/2011 2:31  | 9.69   | 48.63  | 31.53        | 9.23    | 7.89 | 8.2               | 3.07            | 99.3 |
| 441      | 2/9/2011 2:46  | 9.63   | 48.82  | 31.67        | 9.25    | 7.89 | 7.3               | 3.13            | 99.5 |
| 442      | 2/9/2011 3:01  | 9.58   | 48.62  | 31.51        | 9.24    | 7.88 | 7.1               | 3.16            | 99.2 |
| 443      | 2/9/2011 3:16  | 9.54   | 48.87  | 31.69        | 9.20    | 7.88 | 5.1               | 3.16            | 98.8 |
| 444      | 2/9/2011 3:31  | 9.60   | 48.82  | 31.66        | 9.16    | 7.88 | 5.4               | 3.19            | 98.4 |
| 445      | 2/9/2011 3:46  | 9.53   | 49.11  | 31.87        | 9.13    | 7.88 | 6.5               | 3.17            | 98.1 |
| 446      | 2/9/2011 4:01  | 9.57   | 48.87  | 31.69        | 9.15    | 7.88 | 7.0               | 3.15            | 98.3 |
| 447      | 2/9/2011 4:16  | 9.61   | 48.67  | 31.56        | 9.16    | 7.88 | 8.8               | 3.10            | 98.5 |
| 448      | 2/9/2011 4:31  | 9.35   | 48.02  | 31.07        | 9.08    | 7.89 | 12.3              | 3.04            | 96.7 |
| 449      | 2/9/2011 4:46  | 9.38   | 48.06  | 31.10        | 9.04    | 7.89 | 6.7               | 3.00            | 96.4 |
| 450      | 2/9/2011 5:01  | 9.54   | 48.06  | 31.11        | 9.10    | 7.89 | 9.8               | 2.92            | 97.4 |
| 451      | 2/9/2011 5:16  | 9.61   | 48.42  | 31.38        | 9.08    | 7.89 | 10.7              | 2.83            | 97.5 |
| 452      | 2/9/2011 5:31  | 9.53   | 48.06  | 31.11        | 9.05    | 7.89 | 8.8               | 2.77            | 96.8 |
| 453      | 2/9/2011 5:46  | 9.49   | 48.11  | 31.15        | 9.01    | 7.89 | 9.2               | 2.68            | 96.3 |
| 454      | 2/9/2011 6:01  | 9.48   | 47.92  | 31.01        | 8.99    | 7.89 | 10.2              | 2.61            | 96.0 |
| 455      | 2/9/2011 6:16  | 9.31   | 47.84  | 30.94        | 8.98    | 7.89 | 11.7              | 2.53            | 95.4 |
| 456      | 2/9/2011 6:31  | 9.29   | 47.86  | 30.95        | 9.01    | 7.89 | 14.0              | 2.45            | 95.8 |
| 457      | 2/9/2011 6:46  | 9.09   | 47.83  | 30.91        | 9.03    | 7.88 | 13.4              | 2.36            | 95.5 |
| 458      | 2/9/2011 7:01  | 9.29   | 47.95  | 31.02        | 8.97    | 7.89 | 9.1               | 2.26            | 95.4 |
| 459      | 2/9/2011 7:16  | 9.32   | 47.70  | 30.84        | 9.00    | 7.89 | 11.4              | 2.20            | 95.7 |
| 460      | 2/9/2011 7:31  | 9.10   | 47.79  | 30.89        | 8.93    | 7.88 | 8.8               | 2.10            | 94.5 |
| 461      | 2/9/2011 7:46  | 9.12   | 47.77  | 30.87        | 9.01    | 7.89 | 9.5               | 2.02            | 95.4 |
| 462      | 2/9/2011 8:01  | 8.96   | 47.78  | 30.87        | 9.00    | 7.89 | 9.5               | 1.94            | 94.9 |
| 463      | 2/9/2011 8:16  | 8.98   | 47.52  | 30.68        | 9.05    | 7.90 | 9.2               | 1.87            | 95.4 |
| 464      | 2/9/2011 8:31  | 8.85   | 47.58  | 30.72        | 9.08    | 7.91 | 9.0               | 1.81            | 95.5 |
| 465      | 2/9/2011 8:46  | 8.83   | 47.65  | 30.77        | 9.06    | 7.90 | 8.7               | 1.75            | 95.2 |
| 466      | 2/9/2011 9:01  | 8.84   | 47.48  | 30.65        | 9.04    | 7.91 | 8.3               | 1.72            | 94.9 |
| 467      | 2/9/2011 9:16  | 8.83   | 47.49  | 30.65        | 9.02    | 7.91 | 7.8               | 1.68            | 94.7 |
| 468      | 2/9/2011 9:31  | 8.84   | 47.47  | 30.64        | 9.08    | 7.91 | 8.4               | 1.67            | 95.4 |
| 469      | 2/9/2011 9:46  | 8.88   | 47.49  | 30.66        | 9.05    | 7.91 | 8.5               | 1.67            | 95.2 |
| 470      | 2/9/2011 10:01 | 8.93   | 47.32  | 30.54        | 9.07    | 7.91 | 8.1               | 1.69            | 95.3 |
| 471      | 2/9/2011 10:16 | 9.03   | 47.37  | 30.58        | 9.02    | 7.91 | 7.8               | 1.70            | 95.1 |
| 472      | 2/9/2011 10:31 | 9.13   | 47.39  | 30.61        | 9.03    | 7.91 | 8.2               | 1.74            | 95.4 |
| 473      | 2/9/2011 10:46 | 9.17   | 47.49  | 30.67        | 9.02    | 7.91 | 8.3               | 1.79            | 95.4 |
| 474      | 2/9/2011 11:01 | 9.29   | 47.41  | 30.63        | 8.99    | 7.91 | 7.8               | 1.82            | 95.4 |
| 475      | 2/9/2011 11:16 | 9.20   | 47.33  | 30.57        | 8.98    | 7.90 | 7.7               | 1.87            | 95.0 |
| 476      | 2/9/2011 11:31 | 9.19   | 47.50  | 30.68        | 8.98    | 7.90 | 6.3               | 1.92            | 95.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 477      | 2/9/2011 11:46 | 9.17   | 47.37  | 30.59        | 8.98    | 7.90 | 7.0               | 1.96            | 95.0  |
| 478      | 2/9/2011 12:01 | 9.19   | 47.39  | 30.61        | 8.95    | 7.90 | 6.5               | 2.01            | 94.7  |
| 479      | 2/9/2011 12:16 | 9.20   | 47.45  | 30.65        | 8.93    | 7.90 | 6.5               | 2.04            | 94.5  |
| 480      | 2/9/2011 12:31 | 9.25   | 47.41  | 30.62        | 8.95    | 7.90 | 5.6               | 2.09            | 94.9  |
| 481      | 2/9/2011 12:46 | 9.32   | 47.42  | 30.64        | 8.92    | 7.89 | 5.5               | 2.14            | 94.7  |
| 482      | 2/9/2011 13:01 | 9.38   | 47.51  | 30.70        | 8.92    | 7.89 | 5.7               | 2.19            | 94.9  |
| 483      | 2/9/2011 13:16 | 9.51   | 47.80  | 30.92        | 9.03    | 7.89 | 5.7               | 2.23            | 96.4  |
| 484      | 2/9/2011 13:31 | 9.54   | 47.52  | 30.72        | 9.06    | 7.89 | 5.2               | 2.27            | 96.6  |
| 485      | 2/9/2011 13:46 | 9.62   | 47.83  | 30.95        | 9.04    | 7.89 | 4.5               | 2.32            | 96.8  |
| 486      | 2/9/2011 14:01 | 9.62   | 47.93  | 31.02        | 9.02    | 7.89 | 4.3               | 2.36            | 96.6  |
| 487      | 2/9/2011 14:16 | 9.63   | 48.14  | 31.18        | 9.03    | 7.89 | 4.0               | 2.40            | 96.9  |
| 488      | 2/9/2011 14:31 | 9.66   | 48.19  | 31.22        | 9.04    | 7.89 | 4.3               | 2.44            | 97.1  |
| 489      | 2/9/2011 14:46 | 9.68   | 47.98  | 31.06        | 9.02    | 7.89 | 3.9               | 2.48            | 96.8  |
| 490      | 2/9/2011 15:01 | 9.70   | 48.04  | 31.11        | 9.06    | 7.89 | 4.1               | 2.50            | 97.3  |
| 491      | 2/9/2011 15:16 | 9.71   | 48.08  | 31.14        | 9.05    | 7.89 | 4.0               | 2.52            | 97.2  |
| 492      | 2/9/2011 15:31 | 9.72   | 48.14  | 31.18        | 9.01    | 7.89 | 4.2               | 2.55            | 96.8  |
| 493      | 2/9/2011 15:46 | 9.72   | 48.26  | 31.27        | 8.94    | 7.89 | 3.7               | 2.57            | 96.2  |
| 494      | 2/9/2011 16:01 | 9.81   | 48.16  | 31.20        | 9.11    | 7.90 | 4.1               | 2.57            | 98.1  |
| 495      | 2/9/2011 16:16 | 9.73   | 48.11  | 31.16        | 8.92    | 7.88 | 3.5               | 2.57            | 95.9  |
| 496      | 2/9/2011 16:31 | 9.73   | 48.14  | 31.18        | 8.90    | 7.88 | 3.5               | 2.56            | 95.6  |
| 497      | 2/9/2011 16:46 | 9.74   | 48.25  | 31.26        | 8.93    | 7.89 | 3.8               | 2.53            | 96.0  |
| 498      | 2/9/2011 17:01 | 9.78   | 48.14  | 31.19        | 9.01    | 7.89 | 4.7               | 2.50            | 96.9  |
| 499      | 2/9/2011 17:16 | 9.85   | 48.10  | 31.16        | 9.06    | 7.90 | 6.7               | 2.46            | 97.6  |
| 500      | 2/9/2011 17:31 | 9.89   | 48.05  | 31.12        | 9.16    | 7.91 | 10.3              | 2.42            | 98.7  |
| 501      | 2/9/2011 17:46 | 9.88   | 48.03  | 31.11        | 9.22    | 7.91 | 13.1              | 2.35            | 99.3  |
| 502      | 2/9/2011 18:01 | 9.87   | 47.85  | 30.98        | 9.35    | 7.93 | 13.7              | 2.30            | 100.7 |
| 503      | 2/9/2011 18:16 | 9.86   | 47.78  | 30.93        | 9.42    | 7.95 | 14.8              | 2.26            | 101.4 |
| 504      | 2/9/2011 18:31 | 9.72   | 47.59  | 30.78        | 9.33    | 7.93 | 13.4              | 2.19            | 100.0 |
| 505      | 2/9/2011 18:46 | 9.61   | 47.65  | 30.82        | 9.26    | 7.92 | 12.1              | 2.14            | 99.0  |
| 506      | 2/9/2011 19:01 | 9.54   | 47.52  | 30.73        | 9.21    | 7.92 | 11.4              | 2.11            | 98.3  |
| 507      | 2/9/2011 19:16 | 9.50   | 47.64  | 30.81        | 9.15    | 7.91 | 10.3              | 2.05            | 97.6  |
| 508      | 2/9/2011 19:31 | 9.49   | 47.49  | 30.70        | 9.13    | 7.91 | 10.9              | 2.00            | 97.3  |
| 509      | 2/9/2011 19:46 | 9.48   | 47.48  | 30.69        | 9.09    | 7.91 | 10.1              | 1.98            | 96.9  |
| 510      | 2/9/2011 20:01 | 9.47   | 47.21  | 30.50        | 9.06    | 7.90 | 9.4               | 1.97            | 96.5  |
| 511      | 2/9/2011 20:16 | 9.48   | 47.47  | 30.69        | 9.05    | 7.90 | 10.1              | 1.93            | 96.4  |
| 512      | 2/9/2011 20:31 | 9.48   | 47.49  | 30.70        | 8.98    | 7.90 | 8.0               | 1.90            | 95.7  |
| 513      | 2/9/2011 20:46 | 9.47   | 47.44  | 30.66        | 9.00    | 7.90 | 8.7               | 1.92            | 95.9  |
| 514      | 2/9/2011 21:01 | 9.44   | 47.48  | 30.69        | 9.05    | 7.90 | 8.6               | 1.92            | 96.3  |
| 515      | 2/9/2011 21:16 | 9.48   | 47.49  | 30.70        | 8.97    | 7.90 | 6.3               | 1.93            | 95.5  |
| 516      | 2/9/2011 21:31 | 9.48   | 47.60  | 30.78        | 8.91    | 7.90 | 6.4               | 1.95            | 95.0  |
| 517      | 2/9/2011 21:46 | 9.56   | 47.59  | 30.78        | 8.97    | 7.90 | 6.5               | 1.97            | 95.8  |
| 518      | 2/9/2011 22:01 | 9.53   | 47.44  | 30.66        | 9.01    | 7.90 | 6.9               | 1.99            | 96.1  |
| 519      | 2/9/2011 22:16 | 9.46   | 47.32  | 30.58        | 9.09    | 7.90 | 7.9               | 2.04            | 96.7  |
| 520      | 2/9/2011 22:31 | 9.51   | 47.36  | 30.61        | 9.04    | 7.90 | 6.5               | 2.07            | 96.4  |
| 521      | 2/9/2011 22:46 | 9.52   | 47.55  | 30.74        | 9.09    | 7.91 | 6.0               | 2.11            | 96.9  |
| 522      | 2/9/2011 23:01 | 9.58   | 47.41  | 30.65        | 9.09    | 7.90 | 6.1               | 2.15            | 97.1  |
| 523      | 2/9/2011 23:16 | 9.61   | 47.67  | 30.84        | 9.11    | 7.91 | 6.0               | 2.21            | 97.4  |
| 524      | 2/9/2011 23:31 | 9.68   | 47.57  | 30.77        | 9.15    | 7.91 | 6.7               | 2.27            | 98.0  |
| 525      | 2/9/2011 23:46 | 9.78   | 47.76  | 30.91        | 9.12    | 7.91 | 6.5               | 2.32            | 98.0  |
| 526      | 2/10/2011 0:01 | 9.75   | 47.60  | 30.80        | 9.11    | 7.90 | 5.6               | 2.40            | 97.7  |
| 527      | 2/10/2011 0:16 | 9.74   | 47.93  | 31.03        | 9.08    | 7.90 | 5.7               | 2.47            | 97.6  |
| 528      | 2/10/2011 0:31 | 9.73   | 47.95  | 31.04        | 9.06    | 7.89 | 5.3               | 2.52            | 97.3  |
| 529      | 2/10/2011 0:46 | 9.63   | 48.22  | 31.24        | 9.06    | 7.88 | 6.7               | 2.60            | 97.3  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 530      | 2/10/2011 1:01  | 9.59   | 48.62  | 31.51        | 9.07    | 7.88 | 6.5               | 2.66            | 97.4 |
| 531      | 2/10/2011 1:16  | 9.57   | 48.51  | 31.44        | 9.05    | 7.88 | 5.8               | 2.71            | 97.1 |
| 532      | 2/10/2011 1:31  | 9.54   | 48.50  | 31.43        | 9.04    | 7.87 | 5.3               | 2.78            | 96.9 |
| 533      | 2/10/2011 1:46  | 9.49   | 48.74  | 31.59        | 9.02    | 7.87 | 5.5               | 2.85            | 96.6 |
| 534      | 2/10/2011 2:01  | 9.45   | 48.96  | 31.75        | 9.00    | 7.86 | 5.2               | 2.91            | 96.5 |
| 535      | 2/10/2011 2:16  | 9.44   | 49.00  | 31.78        | 9.00    | 7.86 | 5.7               | 2.97            | 96.5 |
| 536      | 2/10/2011 2:31  | 9.38   | 49.27  | 31.97        | 8.96    | 7.86 | 6.6               | 3.03            | 96.0 |
| 537      | 2/10/2011 2:46  | 9.33   | 49.13  | 31.87        | 8.93    | 7.85 | 6.1               | 3.08            | 95.5 |
| 538      | 2/10/2011 3:01  | 9.31   | 49.30  | 31.99        | 8.90    | 7.85 | 5.4               | 3.12            | 95.2 |
| 539      | 2/10/2011 3:16  | 9.29   | 49.41  | 32.06        | 8.84    | 7.85 | 4.8               | 3.17            | 94.7 |
| 540      | 2/10/2011 3:31  | 9.26   | 49.40  | 32.06        | 8.83    | 7.85 | 4.2               | 3.21            | 94.5 |
| 541      | 2/10/2011 3:46  | 9.23   | 49.38  | 32.04        | 8.84    | 7.85 | 4.0               | 3.23            | 94.5 |
| 542      | 2/10/2011 4:01  | 9.30   | 49.35  | 32.02        | 8.89    | 7.85 | 3.5               | 3.23            | 95.1 |
| 543      | 2/10/2011 4:16  | 9.27   | 49.47  | 32.11        | 8.77    | 7.85 | 4.3               | 3.23            | 93.9 |
| 544      | 2/10/2011 4:31  | 9.26   | 49.46  | 32.10        | 8.79    | 7.85 | 5.1               | 3.22            | 94.1 |
| 545      | 2/10/2011 4:46  | 9.27   | 49.37  | 32.03        | 8.79    | 7.85 | 5.1               | 3.17            | 94.0 |
| 546      | 2/10/2011 5:01  | 9.08   | 48.75  | 31.58        | 8.83    | 7.86 | 9.3               | 3.13            | 93.8 |
| 547      | 2/10/2011 5:16  | 9.16   | 48.37  | 31.31        | 8.91    | 7.87 | 5.1               | 3.07            | 94.7 |
| 548      | 2/10/2011 5:31  | 9.26   | 48.77  | 31.60        | 8.88    | 7.86 | 5.9               | 3.01            | 94.7 |
| 549      | 2/10/2011 5:46  | 9.18   | 48.52  | 31.42        | 8.90    | 7.87 | 4.3               | 2.94            | 94.7 |
| 550      | 2/10/2011 6:01  | 9.21   | 48.80  | 31.62        | 8.89    | 7.87 | 5.6               | 2.86            | 94.8 |
| 551      | 2/10/2011 6:16  | 9.08   | 48.63  | 31.49        | 8.90    | 7.87 | 4.2               | 2.79            | 94.5 |
| 552      | 2/10/2011 6:31  | 9.12   | 48.67  | 31.52        | 8.87    | 7.87 | 4.8               | 2.72            | 94.2 |
| 553      | 2/10/2011 6:46  | 9.07   | 48.41  | 31.33        | 8.86    | 7.87 | 4.5               | 2.65            | 94.0 |
| 554      | 2/10/2011 7:01  | 9.13   | 48.49  | 31.39        | 8.90    | 7.87 | 6.6               | 2.57            | 94.5 |
| 555      | 2/10/2011 7:16  | 9.09   | 48.50  | 31.40        | 8.91    | 7.87 | 5.1               | 2.50            | 94.6 |
| 556      | 2/10/2011 7:31  | 9.06   | 48.40  | 31.32        | 8.93    | 7.87 | 5.3               | 2.43            | 94.7 |
| 557      | 2/10/2011 7:46  | 9.00   | 48.30  | 31.24        | 8.92    | 7.87 | 5.0               | 2.34            | 94.4 |
| 558      | 2/10/2011 8:01  | 8.90   | 48.19  | 31.16        | 8.93    | 7.88 | 5.6               | 2.24            | 94.2 |
| 559      | 2/10/2011 8:16  | 8.85   | 47.88  | 30.94        | 9.03    | 7.88 | 5.6               | 2.18            | 95.0 |
| 560      | 2/10/2011 8:31  | 8.78   | 47.85  | 30.91        | 9.05    | 7.89 | 5.2               | 2.11            | 95.1 |
| 561      | 2/10/2011 8:46  | 8.75   | 47.81  | 30.88        | 9.08    | 7.90 | 5.1               | 2.03            | 95.3 |
| 562      | 2/10/2011 9:01  | 8.72   | 47.41  | 30.59        | 9.14    | 7.89 | 4.8               | 1.94            | 95.7 |
| 563      | 2/10/2011 9:16  | 8.72   | 47.71  | 30.81        | 9.14    | 7.90 | 4.9               | 1.89            | 95.8 |
| 564      | 2/10/2011 9:31  | 8.75   | 47.69  | 30.79        | 9.17    | 7.90 | 5.0               | 1.84            | 96.2 |
| 565      | 2/10/2011 9:46  | 8.78   | 47.43  | 30.61        | 9.18    | 7.91 | 4.6               | 1.78            | 96.2 |
| 566      | 2/10/2011 10:01 | 8.79   | 47.41  | 30.59        | 9.21    | 7.91 | 4.4               | 1.73            | 96.6 |
| 567      | 2/10/2011 10:16 | 8.80   | 47.50  | 30.65        | 9.18    | 7.91 | 4.3               | 1.72            | 96.3 |
| 568      | 2/10/2011 10:31 | 8.88   | 47.37  | 30.57        | 9.27    | 7.92 | 4.5               | 1.71            | 97.4 |
| 569      | 2/10/2011 10:46 | 8.88   | 47.13  | 30.40        | 9.26    | 7.91 | 4.4               | 1.72            | 97.2 |
| 570      | 2/10/2011 11:01 | 8.90   | 47.44  | 30.62        | 9.08    | 7.90 | 3.4               | 1.72            | 95.5 |
| 571      | 2/10/2011 11:16 | 8.86   | 47.25  | 30.48        | 9.10    | 7.90 | 3.5               | 1.74            | 95.6 |
| 572      | 2/10/2011 11:31 | 8.93   | 47.49  | 30.66        | 9.14    | 7.90 | 3.8               | 1.77            | 96.2 |
| 573      | 2/10/2011 11:46 | 8.94   | 47.25  | 30.49        | 9.08    | 7.90 | 3.7               | 1.80            | 95.5 |
| 574      | 2/10/2011 12:01 | 8.98   | 47.51  | 30.68        | 9.08    | 7.90 | 3.8               | 1.84            | 95.7 |
| 575      | 2/10/2011 12:16 | 9.05   | 47.43  | 30.62        | 9.07    | 7.90 | 3.8               | 1.87            | 95.7 |
| 576      | 2/10/2011 12:31 | 9.04   | 47.40  | 30.61        | 9.11    | 7.90 | 4.2               | 1.92            | 96.1 |
| 577      | 2/10/2011 12:46 | 9.01   | 47.15  | 30.42        | 9.12    | 7.90 | 3.8               | 1.96            | 96.0 |
| 578      | 2/10/2011 13:01 | 9.06   | 47.18  | 30.45        | 9.15    | 7.91 | 3.7               | 2.01            | 96.5 |
| 579      | 2/10/2011 13:16 | 9.09   | 47.26  | 30.51        | 9.06    | 7.90 | 3.5               | 2.05            | 95.6 |
| 580      | 2/10/2011 13:31 | 9.10   | 47.28  | 30.52        | 9.02    | 7.90 | 3.3               | 2.09            | 95.2 |
| 581      | 2/10/2011 13:46 | 9.17   | 47.44  | 30.64        | 9.04    | 7.89 | 3.2               | 2.13            | 95.7 |
| 582      | 2/10/2011 14:01 | 9.28   | 47.43  | 30.64        | 9.07    | 7.90 | 3.6               | 2.16            | 96.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 583      | 2/10/2011 14:16 | 9.31   | 47.71  | 30.85        | 9.07    | 7.90 | 3.5               | 2.20            | 96.4  |
| 584      | 2/10/2011 14:31 | 9.35   | 47.68  | 30.83        | 9.05    | 7.89 | 3.1               | 2.24            | 96.3  |
| 585      | 2/10/2011 14:46 | 9.30   | 47.93  | 31.00        | 9.03    | 7.89 | 3.1               | 2.28            | 96.0  |
| 586      | 2/10/2011 15:01 | 9.20   | 48.09  | 31.11        | 8.90    | 7.87 | 2.8               | 2.34            | 94.5  |
| 587      | 2/10/2011 15:16 | 9.28   | 48.16  | 31.17        | 8.89    | 7.87 | 2.7               | 2.38            | 94.6  |
| 588      | 2/10/2011 15:31 | 9.34   | 48.33  | 31.29        | 8.92    | 7.87 | 2.7               | 2.41            | 95.1  |
| 589      | 2/10/2011 15:46 | 9.38   | 48.10  | 31.13        | 8.92    | 7.87 | 2.3               | 2.45            | 95.1  |
| 590      | 2/10/2011 16:01 | 9.36   | 48.40  | 31.34        | 8.96    | 7.88 | 2.7               | 2.49            | 95.6  |
| 591      | 2/10/2011 16:16 | 9.36   | 48.37  | 31.32        | 8.92    | 7.88 | 2.9               | 2.51            | 95.1  |
| 592      | 2/10/2011 16:31 | 9.36   | 48.45  | 31.38        | 8.90    | 7.87 | 2.1               | 2.52            | 95.0  |
| 593      | 2/10/2011 16:46 | 9.36   | 48.41  | 31.35        | 8.88    | 7.87 | 2.2               | 2.56            | 94.7  |
| 594      | 2/10/2011 17:01 | 9.36   | 48.49  | 31.41        | 8.77    | 7.87 | 2.1               | 2.57            | 93.6  |
| 595      | 2/10/2011 17:16 | 9.36   | 48.42  | 31.36        | 8.84    | 7.87 | 2.6               | 2.56            | 94.3  |
| 596      | 2/10/2011 17:31 | 9.37   | 48.19  | 31.19        | 8.81    | 7.87 | 2.4               | 2.54            | 93.9  |
| 597      | 2/10/2011 17:46 | 9.38   | 48.61  | 31.49        | 8.85    | 7.87 | 2.7               | 2.54            | 94.6  |
| 598      | 2/10/2011 18:01 | 9.39   | 48.22  | 31.22        | 8.88    | 7.87 | 2.7               | 2.55            | 94.7  |
| 599      | 2/10/2011 18:16 | 9.39   | 48.08  | 31.11        | 8.92    | 7.88 | 2.5               | 2.50            | 95.2  |
| 600      | 2/10/2011 18:31 | 9.38   | 48.04  | 31.09        | 9.02    | 7.89 | 2.7               | 2.46            | 96.2  |
| 601      | 2/10/2011 18:46 | 9.44   | 48.20  | 31.21        | 9.07    | 7.90 | 2.9               | 2.43            | 96.9  |
| 602      | 2/10/2011 19:01 | 9.53   | 47.82  | 30.94        | 9.13    | 7.90 | 2.9               | 2.39            | 97.6  |
| 603      | 2/10/2011 19:16 | 9.82   | 47.66  | 30.84        | 9.40    | 7.93 | 2.9               | 2.36            | 101.0 |
| 604      | 2/10/2011 19:31 | 9.76   | 48.03  | 31.11        | 9.38    | 7.93 | 2.9               | 2.30            | 100.8 |
| 605      | 2/10/2011 19:46 | 9.80   | 47.89  | 31.00        | 9.46    | 7.94 | 2.9               | 2.28            | 101.8 |
| 606      | 2/10/2011 20:01 | 9.84   | 47.77  | 30.92        | 9.53    | 7.95 | 2.9               | 2.25            | 102.6 |
| 607      | 2/10/2011 20:16 | 9.82   | 47.52  | 30.74        | 9.64    | 7.95 | 2.9               | 2.20            | 103.5 |
| 608      | 2/10/2011 20:31 | 9.83   | 47.59  | 30.79        | 9.67    | 7.95 | 2.9               | 2.16            | 103.9 |
| 609      | 2/10/2011 20:46 | 9.66   | 47.81  | 30.94        | 9.40    | 7.94 | 2.6               | 2.15            | 100.8 |
| 610      | 2/10/2011 21:01 | 9.44   | 47.52  | 30.72        | 9.29    | 7.93 | 2.7               | 2.14            | 98.9  |
| 611      | 2/10/2011 21:16 | 9.70   | 47.32  | 30.59        | 9.44    | 7.94 | 2.6               | 2.13            | 101.0 |
| 612      | 2/10/2011 21:31 | 9.72   | 47.72  | 30.88        | 9.22    | 7.93 | 2.4               | 2.11            | 98.9  |
| 613      | 2/10/2011 21:46 | 9.76   | 47.70  | 30.87        | 9.39    | 7.93 | 3.1               | 2.14            | 100.9 |
| 614      | 2/10/2011 22:01 | 9.72   | 47.86  | 30.98        | 9.49    | 7.94 | 2.8               | 2.15            | 101.9 |
| 615      | 2/10/2011 22:16 | 9.66   | 47.81  | 30.94        | 9.46    | 7.94 | 2.7               | 2.17            | 101.3 |
| 616      | 2/10/2011 22:31 | 9.61   | 47.83  | 30.95        | 9.23    | 7.92 | 2.4               | 2.19            | 98.8  |
| 617      | 2/10/2011 22:46 | 9.52   | 48.02  | 31.08        | 9.02    | 7.90 | 2.6               | 2.22            | 96.5  |
| 618      | 2/10/2011 23:01 | 9.51   | 47.99  | 31.06        | 8.98    | 7.89 | 2.7               | 2.26            | 96.0  |
| 619      | 2/10/2011 23:16 | 9.42   | 47.74  | 30.87        | 9.25    | 7.91 | 3.3               | 2.28            | 98.6  |
| 620      | 2/10/2011 23:31 | 9.40   | 47.65  | 30.81        | 9.21    | 7.91 | 2.9               | 2.33            | 98.0  |
| 621      | 2/10/2011 23:46 | 9.50   | 47.87  | 30.97        | 9.00    | 7.89 | 2.3               | 2.38            | 96.1  |
| 622      | 2/11/2011 0:01  | 9.44   | 48.05  | 31.10        | 8.97    | 7.88 | 2.7               | 2.43            | 95.8  |
| 623      | 2/11/2011 0:16  | 9.40   | 48.36  | 31.32        | 8.90    | 7.88 | 2.4               | 2.46            | 95.0  |
| 624      | 2/11/2011 0:31  | 9.38   | 48.15  | 31.16        | 8.86    | 7.87 | 2.6               | 2.53            | 94.5  |
| 625      | 2/11/2011 0:46  | 9.35   | 48.43  | 31.36        | 8.89    | 7.87 | 3.1               | 2.57            | 94.8  |
| 626      | 2/11/2011 1:01  | 9.31   | 48.55  | 31.45        | 8.89    | 7.87 | 2.8               | 2.62            | 94.8  |
| 627      | 2/11/2011 1:16  | 9.31   | 48.71  | 31.56        | 8.85    | 7.86 | 3.4               | 2.68            | 94.4  |
| 628      | 2/11/2011 1:31  | 9.31   | 48.95  | 31.73        | 8.83    | 7.86 | 3.2               | 2.74            | 94.3  |
| 629      | 2/11/2011 1:46  | 9.30   | 48.67  | 31.53        | 8.82    | 7.85 | 3.1               | 2.80            | 94.1  |
| 630      | 2/11/2011 2:01  | 9.28   | 49.20  | 31.91        | 8.78    | 7.85 | 3.5               | 2.86            | 93.9  |
| 631      | 2/11/2011 2:16  | 9.24   | 49.13  | 31.86        | 8.74    | 7.84 | 3.1               | 2.91            | 93.4  |
| 632      | 2/11/2011 2:31  | 9.21   | 49.35  | 32.02        | 8.64    | 7.83 | 3.6               | 2.97            | 92.3  |
| 633      | 2/11/2011 2:46  | 9.19   | 49.39  | 32.04        | 8.64    | 7.83 | 3.4               | 3.02            | 92.3  |
| 634      | 2/11/2011 3:01  | 9.19   | 49.30  | 31.98        | 8.64    | 7.83 | 3.1               | 3.08            | 92.3  |
| 635      | 2/11/2011 3:16  | 9.16   | 49.35  | 32.01        | 8.60    | 7.83 | 3.3               | 3.14            | 91.8  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 636      | 2/11/2011 3:31  | 9.15   | 49.65  | 32.23        | 8.53    | 7.83 | 3.3               | 3.19            | 91.2  |
| 637      | 2/11/2011 3:46  | 9.14   | 49.76  | 32.30        | 8.42    | 7.82 | 2.4               | 3.23            | 90.0  |
| 638      | 2/11/2011 4:01  | 9.11   | 49.93  | 32.42        | 8.45    | 7.82 | 3.3               | 3.26            | 90.3  |
| 639      | 2/11/2011 4:16  | 9.10   | 49.87  | 32.38        | 8.39    | 7.81 | 2.3               | 3.28            | 89.7  |
| 640      | 2/11/2011 4:31  | 9.10   | 49.69  | 32.25        | 8.34    | 7.81 | 2.0               | 3.30            | 89.0  |
| 641      | 2/11/2011 4:46  | 9.11   | 49.88  | 32.39        | 8.38    | 7.81 | 3.5               | 3.30            | 89.5  |
| 642      | 2/11/2011 5:01  | 9.10   | 49.87  | 32.38        | 8.35    | 7.81 | 3.2               | 3.29            | 89.2  |
| 643      | 2/11/2011 5:16  | 9.09   | 49.64  | 32.22        | 8.37    | 7.82 | 2.5               | 3.27            | 89.3  |
| 644      | 2/11/2011 5:31  | 8.91   | 48.55  | 31.42        | 8.69    | 7.85 | 4.0               | 3.22            | 91.9  |
| 645      | 2/11/2011 5:46  | 8.96   | 49.09  | 31.81        | 8.68    | 7.84 | 3.0               | 3.18            | 92.0  |
| 646      | 2/11/2011 6:01  | 9.03   | 48.95  | 31.71        | 8.63    | 7.84 | 3.0               | 3.13            | 91.6  |
| 647      | 2/11/2011 6:16  | 9.04   | 48.77  | 31.59        | 8.67    | 7.84 | 3.8               | 3.06            | 92.0  |
| 648      | 2/11/2011 6:31  | 9.04   | 48.53  | 31.41        | 8.66    | 7.84 | 2.8               | 3.00            | 91.8  |
| 649      | 2/11/2011 6:46  | 9.05   | 48.64  | 31.50        | 8.67    | 7.85 | 3.5               | 2.93            | 92.0  |
| 650      | 2/11/2011 7:01  | 9.07   | 48.87  | 31.66        | 8.64    | 7.84 | 2.9               | 2.88            | 91.8  |
| 651      | 2/11/2011 7:16  | 9.03   | 48.62  | 31.48        | 8.64    | 7.84 | 2.5               | 2.80            | 91.6  |
| 652      | 2/11/2011 7:31  | 9.04   | 48.51  | 31.40        | 8.66    | 7.84 | 2.6               | 2.73            | 91.8  |
| 653      | 2/11/2011 7:46  | 9.02   | 48.82  | 31.62        | 8.66    | 7.84 | 2.4               | 2.66            | 91.9  |
| 654      | 2/11/2011 8:01  | 8.98   | 48.81  | 31.61        | 8.73    | 7.85 | 3.4               | 2.58            | 92.6  |
| 655      | 2/11/2011 8:16  | 8.98   | 48.62  | 31.48        | 8.79    | 7.85 | 3.5               | 2.49            | 93.1  |
| 656      | 2/11/2011 8:31  | 8.95   | 48.45  | 31.35        | 8.85    | 7.86 | 3.5               | 2.42            | 93.6  |
| 657      | 2/11/2011 8:46  | 8.97   | 48.35  | 31.28        | 8.92    | 7.87 | 2.9               | 2.35            | 94.4  |
| 658      | 2/11/2011 9:01  | 8.97   | 48.46  | 31.36        | 9.00    | 7.87 | 2.7               | 2.27            | 95.2  |
| 659      | 2/11/2011 9:16  | 8.99   | 47.87  | 30.94        | 9.05    | 7.89 | 3.0               | 2.18            | 95.6  |
| 660      | 2/11/2011 9:31  | 9.00   | 47.90  | 30.96        | 9.14    | 7.89 | 2.7               | 2.10            | 96.6  |
| 661      | 2/11/2011 9:46  | 9.05   | 48.19  | 31.17        | 9.29    | 7.90 | 2.6               | 2.02            | 98.3  |
| 662      | 2/11/2011 10:01 | 9.06   | 47.94  | 30.99        | 9.27    | 7.91 | 2.5               | 1.93            | 98.1  |
| 663      | 2/11/2011 10:16 | 9.09   | 47.57  | 30.73        | 9.41    | 7.92 | 2.7               | 1.87            | 99.4  |
| 664      | 2/11/2011 10:31 | 9.16   | 47.71  | 30.83        | 9.53    | 7.93 | 2.4               | 1.81            | 100.9 |
| 665      | 2/11/2011 10:46 | 9.23   | 47.61  | 30.77        | 9.57    | 7.94 | 2.6               | 1.76            | 101.5 |
| 666      | 2/11/2011 11:01 | 9.29   | 47.59  | 30.75        | 9.63    | 7.95 | 2.3               | 1.70            | 102.2 |
| 667      | 2/11/2011 11:16 | 9.33   | 47.70  | 30.84        | 9.65    | 7.95 | 2.4               | 1.68            | 102.6 |
| 668      | 2/11/2011 11:31 | 9.40   | 47.56  | 30.74        | 9.64    | 7.95 | 2.8               | 1.66            | 102.5 |
| 669      | 2/11/2011 11:46 | 9.37   | 47.56  | 30.74        | 9.60    | 7.94 | 2.3               | 1.65            | 102.1 |
| 670      | 2/11/2011 12:01 | 9.30   | 47.74  | 30.86        | 9.45    | 7.93 | 2.1               | 1.66            | 100.4 |
| 671      | 2/11/2011 12:16 | 9.37   | 47.49  | 30.69        | 9.43    | 7.93 | 2.1               | 1.66            | 100.3 |
| 672      | 2/11/2011 12:31 | 9.24   | 47.82  | 30.92        | 9.33    | 7.92 | 2.0               | 1.68            | 99.0  |
| 673      | 2/11/2011 12:46 | 9.27   | 47.66  | 30.80        | 9.33    | 7.92 | 2.1               | 1.73            | 99.0  |
| 674      | 2/11/2011 13:01 | 9.24   | 47.69  | 30.83        | 9.26    | 7.92 | 2.0               | 1.76            | 98.3  |
| 675      | 2/11/2011 13:16 | 9.30   | 47.54  | 30.72        | 9.31    | 7.92 | 2.1               | 1.78            | 98.8  |
| 676      | 2/11/2011 13:31 | 9.22   | 47.50  | 30.69        | 9.26    | 7.92 | 2.1               | 1.85            | 98.1  |
| 677      | 2/11/2011 13:46 | 9.21   | 47.46  | 30.66        | 9.22    | 7.92 | 2.1               | 1.88            | 97.6  |
| 678      | 2/11/2011 14:01 | 9.18   | 47.61  | 30.76        | 9.20    | 7.91 | 2.2               | 1.91            | 97.4  |
| 679      | 2/11/2011 14:16 | 9.14   | 47.59  | 30.74        | 9.08    | 7.91 | 2.0               | 1.97            | 96.1  |
| 680      | 2/11/2011 14:31 | 9.17   | 47.40  | 30.61        | 9.10    | 7.91 | 2.1               | 2.01            | 96.2  |
| 681      | 2/11/2011 14:46 | 9.21   | 47.34  | 30.57        | 9.12    | 7.91 | 1.8               | 2.04            | 96.6  |
| 682      | 2/11/2011 15:01 | 9.19   | 47.49  | 30.68        | 9.05    | 7.90 | 1.6               | 2.09            | 95.9  |
| 683      | 2/11/2011 15:16 | 9.14   | 47.66  | 30.80        | 8.90    | 7.89 | 1.7               | 2.14            | 94.2  |
| 684      | 2/11/2011 15:31 | 9.16   | 47.63  | 30.77        | 8.85    | 7.88 | 1.5               | 2.16            | 93.7  |
| 685      | 2/11/2011 15:46 | 9.19   | 47.83  | 30.92        | 8.88    | 7.88 | 1.7               | 2.21            | 94.1  |
| 686      | 2/11/2011 16:01 | 9.22   | 47.68  | 30.81        | 8.93    | 7.88 | 1.7               | 2.26            | 94.7  |
| 687      | 2/11/2011 16:16 | 9.18   | 47.99  | 31.03        | 8.86    | 7.87 | 2.1               | 2.30            | 94.0  |
| 688      | 2/11/2011 16:31 | 9.17   | 48.17  | 31.16        | 8.74    | 7.86 | 1.9               | 2.34            | 92.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 689      | 2/11/2011 16:46 | 9.20   | 48.21  | 31.19        | 8.71    | 7.86 | 1.7               | 2.37            | 92.5 |
| 690      | 2/11/2011 17:01 | 9.24   | 48.34  | 31.29        | 8.73    | 7.86 | 1.8               | 2.42            | 92.9 |
| 691      | 2/11/2011 17:16 | 9.27   | 48.18  | 31.18        | 8.83    | 7.86 | 1.6               | 2.45            | 94.0 |
| 692      | 2/11/2011 17:31 | 9.25   | 48.53  | 31.43        | 8.79    | 7.86 | 2.0               | 2.47            | 93.7 |
| 693      | 2/11/2011 17:46 | 9.24   | 48.49  | 31.40        | 8.73    | 7.86 | 2.0               | 2.51            | 93.0 |
| 694      | 2/11/2011 18:01 | 9.23   | 48.50  | 31.40        | 8.72    | 7.86 | 2.0               | 2.53            | 92.8 |
| 695      | 2/11/2011 18:16 | 9.22   | 48.62  | 31.49        | 8.72    | 7.86 | 2.0               | 2.53            | 92.8 |
| 696      | 2/11/2011 18:31 | 9.25   | 48.33  | 31.29        | 8.80    | 7.86 | 2.0               | 2.56            | 93.7 |
| 697      | 2/11/2011 18:46 | 9.23   | 48.51  | 31.41        | 8.64    | 7.86 | 2.0               | 2.55            | 92.0 |
| 698      | 2/11/2011 19:01 | 9.23   | 48.48  | 31.39        | 8.63    | 7.86 | 2.0               | 2.55            | 91.9 |
| 699      | 2/11/2011 19:16 | 9.23   | 48.58  | 31.46        | 8.66    | 7.86 | 2.0               | 2.54            | 92.2 |
| 700      | 2/11/2011 19:31 | 9.23   | 48.62  | 31.49        | 8.64    | 7.86 | 1.8               | 2.51            | 92.1 |
| 701      | 2/11/2011 19:46 | 9.23   | 48.41  | 31.34        | 8.74    | 7.86 | 2.1               | 2.51            | 93.0 |
| 702      | 2/11/2011 20:01 | 9.22   | 48.35  | 31.29        | 8.69    | 7.86 | 2.0               | 2.46            | 92.5 |
| 703      | 2/11/2011 20:16 | 9.21   | 48.26  | 31.24        | 8.72    | 7.86 | 2.1               | 2.44            | 92.7 |
| 704      | 2/11/2011 20:31 | 9.19   | 48.10  | 31.12        | 8.77    | 7.87 | 2.0               | 2.43            | 93.2 |
| 705      | 2/11/2011 20:46 | 9.21   | 48.32  | 31.27        | 8.74    | 7.87 | 2.1               | 2.38            | 92.9 |
| 706      | 2/11/2011 21:01 | 9.23   | 48.13  | 31.14        | 8.76    | 7.87 | 2.3               | 2.36            | 93.1 |
| 707      | 2/11/2011 21:16 | 9.26   | 47.97  | 31.03        | 8.89    | 7.89 | 2.0               | 2.33            | 94.5 |
| 708      | 2/11/2011 21:31 | 9.29   | 48.20  | 31.19        | 8.94    | 7.90 | 2.0               | 2.31            | 95.1 |
| 709      | 2/11/2011 21:46 | 9.28   | 47.97  | 31.03        | 8.87    | 7.90 | 1.5               | 2.30            | 94.3 |
| 710      | 2/11/2011 22:01 | 9.35   | 47.95  | 31.02        | 9.24    | 7.93 | 2.0               | 2.27            | 98.4 |
| 711      | 2/11/2011 22:16 | 9.32   | 47.76  | 30.88        | 9.09    | 7.92 | 1.3               | 2.28            | 96.7 |
| 712      | 2/11/2011 22:31 | 9.26   | 48.31  | 31.27        | 8.84    | 7.87 | 1.6               | 2.28            | 94.1 |
| 713      | 2/11/2011 22:46 | 9.31   | 48.03  | 31.07        | 8.79    | 7.88 | 2.1               | 2.28            | 93.6 |
| 714      | 2/11/2011 23:01 | 9.23   | 47.86  | 30.95        | 9.28    | 7.93 | 1.9               | 2.29            | 98.5 |
| 715      | 2/11/2011 23:16 | 9.13   | 47.60  | 30.76        | 9.17    | 7.92 | 1.5               | 2.30            | 97.1 |
| 716      | 2/11/2011 23:31 | 9.25   | 47.95  | 31.01        | 9.05    | 7.91 | 2.6               | 2.34            | 96.2 |
| 717      | 2/11/2011 23:46 | 9.25   | 48.02  | 31.06        | 8.69    | 7.86 | 1.7               | 2.35            | 92.3 |
| 718      | 2/12/2011 0:01  | 9.18   | 48.15  | 31.15        | 8.78    | 7.87 | 2.7               | 2.38            | 93.2 |
| 719      | 2/12/2011 0:16  | 9.16   | 48.06  | 31.09        | 8.86    | 7.88 | 2.1               | 2.41            | 93.9 |
| 720      | 2/12/2011 0:31  | 9.15   | 48.11  | 31.12        | 8.94    | 7.89 | 1.8               | 2.45            | 94.8 |
| 721      | 2/12/2011 0:46  | 9.20   | 48.30  | 31.26        | 8.70    | 7.86 | 2.0               | 2.49            | 92.5 |
| 722      | 2/12/2011 1:01  | 9.20   | 48.53  | 31.42        | 8.63    | 7.86 | 2.1               | 2.53            | 91.8 |
| 723      | 2/12/2011 1:16  | 9.19   | 48.51  | 31.41        | 8.57    | 7.85 | 2.2               | 2.58            | 91.2 |
| 724      | 2/12/2011 1:31  | 9.17   | 48.60  | 31.47        | 8.52    | 7.84 | 2.6               | 2.63            | 90.6 |
| 725      | 2/12/2011 1:46  | 9.16   | 48.54  | 31.43        | 8.56    | 7.84 | 2.5               | 2.67            | 91.0 |
| 726      | 2/12/2011 2:01  | 9.14   | 48.48  | 31.39        | 8.62    | 7.85 | 2.1               | 2.72            | 91.6 |
| 727      | 2/12/2011 2:16  | 9.14   | 48.64  | 31.50        | 8.58    | 7.84 | 2.0               | 2.77            | 91.2 |
| 728      | 2/12/2011 2:31  | 9.10   | 48.93  | 31.71        | 8.64    | 7.85 | 2.0               | 2.81            | 91.9 |
| 729      | 2/12/2011 2:46  | 9.09   | 48.88  | 31.67        | 8.64    | 7.84 | 2.0               | 2.88            | 91.9 |
| 730      | 2/12/2011 3:01  | 9.03   | 49.06  | 31.80        | 8.68    | 7.84 | 2.0               | 2.92            | 92.3 |
| 731      | 2/12/2011 3:16  | 8.97   | 48.96  | 31.72        | 8.73    | 7.84 | 2.3               | 2.98            | 92.6 |
| 732      | 2/12/2011 3:31  | 8.93   | 49.19  | 31.88        | 8.72    | 7.84 | 2.3               | 3.04            | 92.6 |
| 733      | 2/12/2011 3:46  | 9.07   | 49.83  | 32.35        | 8.49    | 7.82 | 2.3               | 3.08            | 90.6 |
| 734      | 2/12/2011 4:01  | 9.08   | 49.85  | 32.37        | 8.49    | 7.81 | 2.5               | 3.13            | 90.6 |
| 735      | 2/12/2011 4:16  | 9.08   | 49.83  | 32.35        | 8.50    | 7.81 | 2.5               | 3.19            | 90.7 |
| 736      | 2/12/2011 4:31  | 9.06   | 49.66  | 32.23        | 8.48    | 7.81 | 2.2               | 3.22            | 90.4 |
| 737      | 2/12/2011 4:46  | 9.06   | 49.66  | 32.22        | 8.47    | 7.81 | 2.4               | 3.26            | 90.3 |
| 738      | 2/12/2011 5:01  | 9.04   | 49.95  | 32.44        | 8.49    | 7.81 | 2.4               | 3.29            | 90.6 |
| 739      | 2/12/2011 5:16  | 9.03   | 49.93  | 32.42        | 8.43    | 7.81 | 2.0               | 3.30            | 90.0 |
| 740      | 2/12/2011 5:31  | 9.03   | 49.78  | 32.31        | 8.41    | 7.81 | 2.2               | 3.32            | 89.7 |
| 741      | 2/12/2011 5:46  | 9.04   | 49.79  | 32.32        | 8.39    | 7.81 | 2.3               | 3.32            | 89.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 742      | 2/12/2011 6:01  | 9.04   | 49.81  | 32.34        | 8.39    | 7.81 | 2.6               | 3.30            | 89.4  |
| 743      | 2/12/2011 6:16  | 9.04   | 49.99  | 32.46        | 8.43    | 7.81 | 3.1               | 3.28            | 90.0  |
| 744      | 2/12/2011 6:31  | 8.96   | 49.37  | 32.01        | 8.43    | 7.81 | 2.6               | 3.25            | 89.5  |
| 745      | 2/12/2011 6:46  | 8.82   | 49.36  | 31.99        | 8.42    | 7.82 | 2.4               | 3.21            | 89.2  |
| 746      | 2/12/2011 7:01  | 8.84   | 49.23  | 31.90        | 8.49    | 7.82 | 2.9               | 3.16            | 89.9  |
| 747      | 2/12/2011 7:16  | 8.93   | 49.26  | 31.93        | 8.46    | 7.82 | 2.6               | 3.10            | 89.8  |
| 748      | 2/12/2011 7:31  | 8.86   | 49.00  | 31.74        | 8.56    | 7.83 | 3.5               | 3.03            | 90.6  |
| 749      | 2/12/2011 7:46  | 8.86   | 48.79  | 31.59        | 8.54    | 7.83 | 2.4               | 2.97            | 90.3  |
| 750      | 2/12/2011 8:01  | 8.86   | 48.85  | 31.63        | 8.54    | 7.83 | 2.1               | 2.89            | 90.4  |
| 751      | 2/12/2011 8:16  | 8.88   | 49.10  | 31.81        | 8.55    | 7.83 | 2.3               | 2.82            | 90.6  |
| 752      | 2/12/2011 8:31  | 8.89   | 48.98  | 31.72        | 8.61    | 7.84 | 2.0               | 2.75            | 91.2  |
| 753      | 2/12/2011 8:46  | 8.91   | 48.78  | 31.58        | 8.66    | 7.84 | 2.7               | 2.67            | 91.7  |
| 754      | 2/12/2011 9:01  | 8.89   | 48.45  | 31.35        | 8.75    | 7.85 | 2.1               | 2.60            | 92.5  |
| 755      | 2/12/2011 9:16  | 8.89   | 48.78  | 31.58        | 8.86    | 7.86 | 3.1               | 2.51            | 93.7  |
| 756      | 2/12/2011 9:31  | 8.93   | 48.69  | 31.52        | 8.97    | 7.87 | 2.4               | 2.43            | 94.9  |
| 757      | 2/12/2011 9:46  | 9.01   | 48.66  | 31.51        | 9.07    | 7.88 | 2.1               | 2.33            | 96.1  |
| 758      | 2/12/2011 10:01 | 9.00   | 48.30  | 31.24        | 9.19    | 7.89 | 2.2               | 2.25            | 97.3  |
| 759      | 2/12/2011 10:16 | 9.12   | 48.24  | 31.21        | 9.31    | 7.90 | 3.5               | 2.16            | 98.8  |
| 760      | 2/12/2011 10:31 | 9.17   | 47.96  | 31.01        | 9.34    | 7.90 | 2.4               | 2.07            | 99.1  |
| 761      | 2/12/2011 10:46 | 9.18   | 47.74  | 30.86        | 9.41    | 7.92 | 3.1               | 1.98            | 99.7  |
| 762      | 2/12/2011 11:01 | 9.27   | 47.97  | 31.03        | 9.51    | 7.93 | 2.3               | 1.91            | 101.1 |
| 763      | 2/12/2011 11:16 | 9.28   | 48.00  | 31.05        | 9.61    | 7.95 | 2.0               | 1.83            | 102.2 |
| 764      | 2/12/2011 11:31 | 9.42   | 47.75  | 30.88        | 9.84    | 7.96 | 2.2               | 1.76            | 104.8 |
| 765      | 2/12/2011 11:46 | 9.47   | 48.12  | 31.15        | 9.86    | 7.97 | 2.4               | 1.70            | 105.4 |
| 766      | 2/12/2011 12:01 | 9.42   | 47.84  | 30.95        | 9.80    | 7.97 | 1.9               | 1.66            | 104.5 |
| 767      | 2/12/2011 12:16 | 9.45   | 47.80  | 30.92        | 9.80    | 7.97 | 2.0               | 1.62            | 104.5 |
| 768      | 2/12/2011 12:31 | 9.44   | 47.76  | 30.89        | 9.86    | 7.97 | 1.8               | 1.61            | 105.1 |
| 769      | 2/12/2011 12:46 | 9.54   | 47.98  | 31.05        | 9.79    | 7.97 | 2.7               | 1.58            | 104.7 |
| 770      | 2/12/2011 13:01 | 9.51   | 47.70  | 30.85        | 9.82    | 7.97 | 4.6               | 1.58            | 104.8 |
| 771      | 2/12/2011 13:16 | 9.50   | 47.67  | 30.83        | 9.74    | 7.96 | 4.6               | 1.60            | 103.9 |
| 772      | 2/12/2011 13:31 | 9.54   | 47.67  | 30.83        | 9.72    | 7.96 | 7.9               | 1.60            | 103.8 |
| 773      | 2/12/2011 13:46 | 9.50   | 47.80  | 30.92        | 9.61    | 7.95 | 4.9               | 1.62            | 102.6 |
| 774      | 2/12/2011 14:01 | 9.49   | 47.58  | 30.77        | 9.54    | 7.94 | 3.0               | 1.66            | 101.8 |
| 775      | 2/12/2011 14:16 | 9.48   | 47.60  | 30.78        | 9.53    | 7.94 | 4.8               | 1.70            | 101.7 |
| 776      | 2/12/2011 14:31 | 9.36   | 47.34  | 30.59        | 9.57    | 7.95 | 3.1               | 1.73            | 101.7 |
| 777      | 2/12/2011 14:46 | 9.37   | 47.19  | 30.48        | 9.55    | 7.95 | 3.3               | 1.77            | 101.3 |
| 778      | 2/12/2011 15:01 | 9.38   | 47.49  | 30.69        | 9.41    | 7.93 | 2.7               | 1.82            | 100.0 |
| 779      | 2/12/2011 15:16 | 9.36   | 47.47  | 30.68        | 9.24    | 7.92 | 2.6               | 1.86            | 98.2  |
| 780      | 2/12/2011 15:31 | 9.36   | 47.65  | 30.81        | 9.13    | 7.91 | 2.9               | 1.89            | 97.2  |
| 781      | 2/12/2011 15:46 | 9.35   | 47.59  | 30.76        | 9.11    | 7.90 | 3.0               | 1.95            | 96.8  |
| 782      | 2/12/2011 16:01 | 9.33   | 47.58  | 30.75        | 9.12    | 7.90 | 3.1               | 2.00            | 96.9  |
| 783      | 2/12/2011 16:16 | 9.29   | 47.77  | 30.89        | 9.14    | 7.90 | 2.3               | 2.05            | 97.1  |
| 784      | 2/12/2011 16:31 | 9.22   | 47.79  | 30.89        | 9.10    | 7.89 | 1.8               | 2.11            | 96.5  |
| 785      | 2/12/2011 16:46 | 9.20   | 47.98  | 31.03        | 9.02    | 7.88 | 2.3               | 2.16            | 95.8  |
| 786      | 2/12/2011 17:01 | 9.18   | 47.96  | 31.02        | 8.91    | 7.87 | 2.2               | 2.21            | 94.5  |
| 787      | 2/12/2011 17:16 | 9.21   | 48.46  | 31.38        | 8.93    | 7.87 | 2.0               | 2.27            | 95.0  |
| 788      | 2/12/2011 17:31 | 9.22   | 48.35  | 31.30        | 8.98    | 7.87 | 1.8               | 2.33            | 95.6  |
| 789      | 2/12/2011 17:46 | 9.24   | 48.58  | 31.46        | 9.03    | 7.88 | 1.5               | 2.36            | 96.2  |
| 790      | 2/12/2011 18:01 | 9.23   | 48.40  | 31.33        | 9.00    | 7.87 | 1.9               | 2.42            | 95.8  |
| 791      | 2/12/2011 18:16 | 9.22   | 48.46  | 31.37        | 8.98    | 7.87 | 1.6               | 2.46            | 95.6  |
| 792      | 2/12/2011 18:31 | 9.21   | 48.50  | 31.41        | 8.95    | 7.87 | 1.8               | 2.50            | 95.3  |
| 793      | 2/12/2011 18:46 | 9.21   | 48.55  | 31.44        | 8.88    | 7.86 | 2.1               | 2.53            | 94.5  |
| 794      | 2/12/2011 19:01 | 9.20   | 48.39  | 31.33        | 8.84    | 7.86 | 2.2               | 2.55            | 94.0  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 795      | 2/12/2011 19:16 | 9.19   | 48.42  | 31.35        | 8.79    | 7.85 | 2.4               | 2.59            | 93.5 |
| 796      | 2/12/2011 19:31 | 9.14   | 48.67  | 31.52        | 8.63    | 7.84 | 1.5               | 2.61            | 91.8 |
| 797      | 2/12/2011 19:46 | 9.13   | 48.53  | 31.42        | 8.62    | 7.84 | 2.0               | 2.63            | 91.6 |
| 798      | 2/12/2011 20:01 | 9.12   | 48.73  | 31.56        | 8.50    | 7.83 | 1.6               | 2.64            | 90.3 |
| 799      | 2/12/2011 20:16 | 9.14   | 48.63  | 31.49        | 8.63    | 7.85 | 2.0               | 2.65            | 91.7 |
| 800      | 2/12/2011 20:31 | 9.13   | 48.67  | 31.52        | 8.58    | 7.85 | 2.0               | 2.66            | 91.2 |
| 801      | 2/12/2011 20:46 | 9.14   | 48.82  | 31.63        | 8.53    | 7.84 | 2.0               | 2.63            | 90.8 |
| 802      | 2/12/2011 21:01 | 9.10   | 48.59  | 31.46        | 8.58    | 7.85 | 2.0               | 2.63            | 91.1 |
| 803      | 2/12/2011 21:16 | 8.99   | 48.58  | 31.45        | 8.74    | 7.86 | 2.3               | 2.62            | 92.6 |
| 804      | 2/12/2011 21:31 | 8.93   | 48.47  | 31.36        | 8.76    | 7.86 | 2.3               | 2.58            | 92.6 |
| 805      | 2/12/2011 21:46 | 8.92   | 48.39  | 31.30        | 8.73    | 7.86 | 1.9               | 2.56            | 92.2 |
| 806      | 2/12/2011 22:01 | 8.90   | 48.42  | 31.32        | 8.71    | 7.86 | 2.1               | 2.52            | 92.0 |
| 807      | 2/12/2011 22:16 | 9.00   | 48.40  | 31.32        | 8.75    | 7.86 | 2.3               | 2.50            | 92.7 |
| 808      | 2/12/2011 22:31 | 8.88   | 48.26  | 31.20        | 8.65    | 7.86 | 2.0               | 2.47            | 91.3 |
| 809      | 2/12/2011 22:46 | 9.07   | 48.08  | 31.09        | 8.71    | 7.86 | 2.0               | 2.43            | 92.2 |
| 810      | 2/12/2011 23:01 | 9.08   | 48.28  | 31.24        | 8.66    | 7.86 | 1.8               | 2.41            | 91.8 |
| 811      | 2/12/2011 23:16 | 9.05   | 48.45  | 31.36        | 8.56    | 7.86 | 1.5               | 2.39            | 90.8 |
| 812      | 2/12/2011 23:31 | 9.06   | 48.17  | 31.16        | 8.63    | 7.86 | 1.9               | 2.38            | 91.4 |
| 813      | 2/12/2011 23:46 | 9.11   | 48.48  | 31.38        | 8.64    | 7.85 | 2.0               | 2.37            | 91.7 |
| 814      | 2/13/2011 0:01  | 8.99   | 48.35  | 31.28        | 8.57    | 7.85 | 1.8               | 2.37            | 90.7 |
| 815      | 2/13/2011 0:16  | 8.85   | 48.14  | 31.12        | 8.75    | 7.87 | 1.9               | 2.39            | 92.2 |
| 816      | 2/13/2011 0:31  | 8.89   | 48.05  | 31.06        | 8.91    | 7.88 | 1.7               | 2.41            | 94.0 |
| 817      | 2/13/2011 0:46  | 8.98   | 48.18  | 31.16        | 8.68    | 7.86 | 2.0               | 2.42            | 91.8 |
| 818      | 2/13/2011 1:01  | 9.02   | 48.58  | 31.44        | 8.67    | 7.85 | 1.9               | 2.45            | 91.9 |
| 819      | 2/13/2011 1:16  | 9.05   | 48.34  | 31.28        | 8.69    | 7.85 | 2.1               | 2.48            | 92.1 |
| 820      | 2/13/2011 1:31  | 9.07   | 48.72  | 31.55        | 8.66    | 7.85 | 2.1               | 2.53            | 91.9 |
| 821      | 2/13/2011 1:46  | 8.97   | 48.43  | 31.34        | 8.68    | 7.85 | 2.1               | 2.55            | 91.8 |
| 822      | 2/13/2011 2:01  | 9.04   | 48.66  | 31.51        | 8.59    | 7.84 | 2.7               | 2.59            | 91.1 |
| 823      | 2/13/2011 2:16  | 9.06   | 48.85  | 31.65        | 8.57    | 7.84 | 2.1               | 2.64            | 91.1 |
| 824      | 2/13/2011 2:31  | 9.04   | 48.91  | 31.69        | 8.57    | 7.83 | 2.0               | 2.67            | 91.0 |
| 825      | 2/13/2011 2:46  | 9.09   | 49.01  | 31.76        | 8.61    | 7.83 | 1.8               | 2.72            | 91.5 |
| 826      | 2/13/2011 3:01  | 9.09   | 48.93  | 31.70        | 8.64    | 7.83 | 1.8               | 2.76            | 91.8 |
| 827      | 2/13/2011 3:16  | 9.15   | 49.28  | 31.96        | 8.65    | 7.83 | 1.8               | 2.82            | 92.3 |
| 828      | 2/13/2011 3:31  | 9.16   | 49.05  | 31.79        | 8.69    | 7.83 | 1.7               | 2.87            | 92.6 |
| 829      | 2/13/2011 3:46  | 9.16   | 49.08  | 31.82        | 8.73    | 7.83 | 2.1               | 2.92            | 93.0 |
| 830      | 2/13/2011 4:01  | 9.20   | 49.28  | 31.96        | 8.74    | 7.83 | 2.1               | 2.97            | 93.4 |
| 831      | 2/13/2011 4:16  | 9.24   | 49.45  | 32.09        | 8.74    | 7.83 | 1.9               | 3.03            | 93.5 |
| 832      | 2/13/2011 4:31  | 9.25   | 49.67  | 32.25        | 8.74    | 7.83 | 2.1               | 3.08            | 93.6 |
| 833      | 2/13/2011 4:46  | 9.25   | 49.44  | 32.09        | 8.76    | 7.83 | 2.1               | 3.15            | 93.8 |
| 834      | 2/13/2011 5:01  | 9.24   | 49.68  | 32.26        | 8.74    | 7.83 | 1.6               | 3.19            | 93.5 |
| 835      | 2/13/2011 5:16  | 9.19   | 49.76  | 32.31        | 8.77    | 7.83 | 2.0               | 3.23            | 93.8 |
| 836      | 2/13/2011 5:31  | 9.16   | 49.55  | 32.16        | 8.80    | 7.84 | 2.1               | 3.29            | 94.0 |
| 837      | 2/13/2011 5:46  | 9.15   | 49.82  | 32.35        | 8.78    | 7.84 | 2.3               | 3.32            | 93.9 |
| 838      | 2/13/2011 6:01  | 9.13   | 49.67  | 32.24        | 8.74    | 7.83 | 1.6               | 3.35            | 93.3 |
| 839      | 2/13/2011 6:16  | 9.08   | 49.85  | 32.36        | 8.75    | 7.84 | 1.3               | 3.37            | 93.4 |
| 840      | 2/13/2011 6:31  | 9.07   | 49.88  | 32.39        | 8.66    | 7.83 | 1.2               | 3.39            | 92.5 |
| 841      | 2/13/2011 6:46  | 9.09   | 49.83  | 32.35        | 8.68    | 7.83 | 1.6               | 3.40            | 92.7 |
| 842      | 2/13/2011 7:01  | 9.08   | 49.81  | 32.34        | 8.75    | 7.83 | 2.0               | 3.38            | 93.3 |
| 843      | 2/13/2011 7:16  | 9.09   | 49.90  | 32.40        | 8.74    | 7.83 | 2.4               | 3.35            | 93.3 |
| 844      | 2/13/2011 7:31  | 8.99   | 49.39  | 32.03        | 8.72    | 7.83 | 2.3               | 3.32            | 92.7 |
| 845      | 2/13/2011 7:46  | 8.84   | 49.15  | 31.84        | 8.61    | 7.83 | 2.1               | 3.28            | 91.2 |
| 846      | 2/13/2011 8:01  | 8.85   | 49.40  | 32.02        | 8.66    | 7.83 | 2.3               | 3.23            | 91.8 |
| 847      | 2/13/2011 8:16  | 8.86   | 49.33  | 31.97        | 8.69    | 7.83 | 2.1               | 3.16            | 92.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 848      | 2/13/2011 8:31  | 8.83   | 49.19  | 31.87        | 8.68    | 7.83 | 2.6               | 3.09            | 91.9  |
| 849      | 2/13/2011 8:46  | 8.89   | 49.03  | 31.76        | 8.70    | 7.83 | 2.0               | 3.03            | 92.1  |
| 850      | 2/13/2011 9:01  | 8.98   | 48.64  | 31.49        | 8.74    | 7.84 | 1.9               | 2.95            | 92.6  |
| 851      | 2/13/2011 9:16  | 9.05   | 49.13  | 31.85        | 8.76    | 7.84 | 2.1               | 2.86            | 93.2  |
| 852      | 2/13/2011 9:31  | 9.03   | 48.94  | 31.71        | 8.85    | 7.85 | 2.2               | 2.78            | 94.0  |
| 853      | 2/13/2011 9:46  | 9.07   | 48.88  | 31.67        | 8.91    | 7.86 | 2.3               | 2.69            | 94.7  |
| 854      | 2/13/2011 10:01 | 9.08   | 48.60  | 31.47        | 9.04    | 7.87 | 2.4               | 2.61            | 95.9  |
| 855      | 2/13/2011 10:16 | 9.18   | 48.90  | 31.69        | 9.00    | 7.87 | 2.3               | 2.52            | 95.8  |
| 856      | 2/13/2011 10:31 | 9.26   | 48.64  | 31.51        | 9.09    | 7.87 | 2.3               | 2.43            | 96.9  |
| 857      | 2/13/2011 10:46 | 9.19   | 48.55  | 31.44        | 9.04    | 7.88 | 3.3               | 2.33            | 96.2  |
| 858      | 2/13/2011 11:01 | 9.48   | 48.73  | 31.59        | 9.26    | 7.89 | 3.1               | 2.24            | 99.2  |
| 859      | 2/13/2011 11:16 | 9.51   | 48.61  | 31.51        | 9.35    | 7.90 | 3.1               | 2.13            | 100.3 |
| 860      | 2/13/2011 11:31 | 9.32   | 48.35  | 31.31        | 9.30    | 7.90 | 2.7               | 2.03            | 99.2  |
| 861      | 2/13/2011 11:46 | 9.42   | 47.98  | 31.05        | 9.44    | 7.92 | 2.6               | 1.94            | 100.7 |
| 862      | 2/13/2011 12:01 | 9.50   | 48.30  | 31.28        | 9.57    | 7.94 | 2.4               | 1.83            | 102.4 |
| 863      | 2/13/2011 12:16 | 9.53   | 48.04  | 31.10        | 9.73    | 7.95 | 3.0               | 1.73            | 104.0 |
| 864      | 2/13/2011 12:31 | 9.79   | 48.22  | 31.25        | 9.85    | 7.96 | 2.4               | 1.65            | 106.1 |
| 865      | 2/13/2011 12:46 | 9.78   | 48.19  | 31.22        | 9.89    | 7.97 | 2.4               | 1.58            | 106.5 |
| 866      | 2/13/2011 13:01 | 9.81   | 48.18  | 31.22        | 9.90    | 7.97 | 2.4               | 1.51            | 106.6 |
| 867      | 2/13/2011 13:16 | 9.92   | 47.61  | 30.82        | 10.03   | 7.99 | 2.6               | 1.46            | 108.0 |
| 868      | 2/13/2011 13:31 | 9.90   | 48.07  | 31.14        | 9.91    | 7.99 | 2.4               | 1.42            | 106.9 |
| 869      | 2/13/2011 13:46 | 10.12  | 48.12  | 31.19        | 10.07   | 7.98 | 2.8               | 1.42            | 109.2 |
| 870      | 2/13/2011 14:01 | 9.85   | 48.05  | 31.13        | 9.92    | 7.98 | 2.0               | 1.39            | 106.8 |
| 871      | 2/13/2011 14:16 | 9.87   | 48.08  | 31.15        | 9.89    | 7.98 | 2.4               | 1.40            | 106.6 |
| 872      | 2/13/2011 14:31 | 9.82   | 48.10  | 31.16        | 9.80    | 7.98 | 1.9               | 1.44            | 105.6 |
| 873      | 2/13/2011 14:46 | 9.78   | 47.95  | 31.05        | 9.76    | 7.97 | 2.5               | 1.45            | 104.9 |
| 874      | 2/13/2011 15:01 | 9.69   | 48.01  | 31.08        | 9.63    | 7.97 | 2.1               | 1.51            | 103.3 |
| 875      | 2/13/2011 15:16 | 9.72   | 47.97  | 31.06        | 9.58    | 7.97 | 2.1               | 1.55            | 102.9 |
| 876      | 2/13/2011 15:31 | 9.83   | 47.39  | 30.65        | 9.71    | 7.99 | 3.5               | 1.60            | 104.3 |
| 877      | 2/13/2011 15:46 | 9.80   | 47.25  | 30.55        | 9.70    | 7.99 | 2.7               | 1.67            | 104.0 |
| 878      | 2/13/2011 16:01 | 9.78   | 47.22  | 30.52        | 9.66    | 7.99 | 2.7               | 1.73            | 103.5 |
| 879      | 2/13/2011 16:16 | 9.53   | 47.74  | 30.88        | 9.41    | 7.94 | 1.8               | 1.77            | 100.5 |
| 880      | 2/13/2011 16:31 | 9.55   | 47.78  | 30.91        | 9.38    | 7.94 | 1.6               | 1.84            | 100.2 |
| 881      | 2/13/2011 16:46 | 9.50   | 47.87  | 30.98        | 9.38    | 7.94 | 1.8               | 1.91            | 100.2 |
| 882      | 2/13/2011 17:01 | 9.43   | 47.85  | 30.95        | 9.30    | 7.93 | 1.8               | 1.96            | 99.2  |
| 883      | 2/13/2011 17:16 | 9.39   | 48.09  | 31.12        | 9.23    | 7.91 | 1.8               | 2.02            | 98.4  |
| 884      | 2/13/2011 17:31 | 9.36   | 48.14  | 31.15        | 9.01    | 7.90 | 2.1               | 2.10            | 96.1  |
| 885      | 2/13/2011 17:46 | 9.32   | 48.10  | 31.13        | 9.03    | 7.88 | 2.0               | 2.17            | 96.2  |
| 886      | 2/13/2011 18:01 | 9.28   | 48.24  | 31.22        | 9.03    | 7.88 | 1.9               | 2.24            | 96.1  |
| 887      | 2/13/2011 18:16 | 9.25   | 48.67  | 31.53        | 9.07    | 7.88 | 2.0               | 2.28            | 96.7  |
| 888      | 2/13/2011 18:31 | 9.26   | 48.38  | 31.32        | 9.08    | 7.88 | 1.7               | 2.35            | 96.7  |
| 889      | 2/13/2011 18:46 | 9.25   | 48.79  | 31.61        | 9.05    | 7.88 | 2.1               | 2.42            | 96.5  |
| 890      | 2/13/2011 19:01 | 9.23   | 48.70  | 31.55        | 9.02    | 7.87 | 2.1               | 2.47            | 96.2  |
| 891      | 2/13/2011 19:16 | 9.24   | 48.62  | 31.49        | 8.99    | 7.87 | 1.8               | 2.53            | 95.8  |
| 892      | 2/13/2011 19:31 | 9.23   | 48.71  | 31.55        | 8.93    | 7.86 | 2.0               | 2.58            | 95.2  |
| 893      | 2/13/2011 19:46 | 9.22   | 48.94  | 31.72        | 8.90    | 7.86 | 1.7               | 2.62            | 95.0  |
| 894      | 2/13/2011 20:01 | 9.24   | 49.00  | 31.77        | 8.90    | 7.85 | 1.6               | 2.67            | 95.0  |
| 895      | 2/13/2011 20:16 | 9.26   | 48.78  | 31.61        | 8.92    | 7.85 | 2.0               | 2.71            | 95.1  |
| 896      | 2/13/2011 20:31 | 9.28   | 49.01  | 31.77        | 8.91    | 7.85 | 2.5               | 2.74            | 95.2  |
| 897      | 2/13/2011 20:46 | 9.29   | 48.95  | 31.73        | 8.90    | 7.85 | 2.2               | 2.78            | 95.0  |
| 898      | 2/13/2011 21:01 | 9.29   | 49.13  | 31.86        | 8.76    | 7.84 | 1.6               | 2.81            | 93.6  |
| 899      | 2/13/2011 21:16 | 9.28   | 48.89  | 31.69        | 8.81    | 7.85 | 1.8               | 2.81            | 94.1  |
| 900      | 2/13/2011 21:31 | 9.29   | 49.01  | 31.78        | 8.78    | 7.84 | 2.1               | 2.82            | 93.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 901      | 2/13/2011 21:46 | 9.27   | 49.00  | 31.77        | 8.74    | 7.85 | 1.7               | 2.80            | 93.3  |
| 902      | 2/13/2011 22:01 | 9.29   | 49.10  | 31.84        | 8.79    | 7.85 | 2.1               | 2.78            | 94.0  |
| 903      | 2/13/2011 22:16 | 9.16   | 48.58  | 31.46        | 8.80    | 7.87 | 2.3               | 2.77            | 93.6  |
| 904      | 2/13/2011 22:31 | 9.08   | 48.57  | 31.45        | 8.79    | 7.87 | 1.8               | 2.73            | 93.3  |
| 905      | 2/13/2011 22:46 | 9.17   | 48.80  | 31.62        | 8.75    | 7.86 | 2.0               | 2.68            | 93.2  |
| 906      | 2/13/2011 23:01 | 9.20   | 48.81  | 31.62        | 8.81    | 7.86 | 2.2               | 2.63            | 93.9  |
| 907      | 2/13/2011 23:16 | 9.16   | 48.61  | 31.48        | 8.78    | 7.86 | 2.1               | 2.60            | 93.4  |
| 908      | 2/13/2011 23:31 | 9.20   | 48.65  | 31.51        | 8.78    | 7.86 | 2.3               | 2.56            | 93.5  |
| 909      | 2/13/2011 23:46 | 9.22   | 48.54  | 31.44        | 8.78    | 7.86 | 2.0               | 2.53            | 93.5  |
| 910      | 2/14/2011 0:01  | 9.24   | 48.54  | 31.44        | 8.82    | 7.87 | 1.9               | 2.49            | 94.0  |
| 911      | 2/14/2011 0:16  | 9.24   | 48.56  | 31.45        | 8.82    | 7.87 | 1.7               | 2.46            | 94.0  |
| 912      | 2/14/2011 0:31  | 9.14   | 48.41  | 31.33        | 8.84    | 7.87 | 1.8               | 2.46            | 93.8  |
| 913      | 2/14/2011 0:46  | 9.19   | 48.40  | 31.33        | 8.92    | 7.88 | 1.8               | 2.42            | 94.8  |
| 914      | 2/14/2011 1:01  | 9.20   | 48.56  | 31.44        | 8.84    | 7.88 | 1.5               | 2.43            | 94.0  |
| 915      | 2/14/2011 1:16  | 9.13   | 48.41  | 31.34        | 8.67    | 7.87 | 1.5               | 2.42            | 92.1  |
| 916      | 2/14/2011 1:31  | 9.11   | 48.60  | 31.47        | 8.73    | 7.87 | 2.0               | 2.43            | 92.7  |
| 917      | 2/14/2011 1:46  | 9.14   | 48.73  | 31.57        | 8.78    | 7.87 | 1.8               | 2.45            | 93.4  |
| 918      | 2/14/2011 2:01  | 9.11   | 48.67  | 31.52        | 8.86    | 7.87 | 2.0               | 2.44            | 94.1  |
| 919      | 2/14/2011 2:16  | 9.12   | 48.46  | 31.37        | 8.87    | 7.87 | 1.8               | 2.48            | 94.2  |
| 920      | 2/14/2011 2:31  | 9.12   | 48.34  | 31.28        | 8.92    | 7.87 | 2.2               | 2.51            | 94.6  |
| 921      | 2/14/2011 2:46  | 9.12   | 48.43  | 31.35        | 8.89    | 7.87 | 2.3               | 2.52            | 94.4  |
| 922      | 2/14/2011 3:01  | 9.11   | 48.53  | 31.42        | 8.88    | 7.86 | 2.2               | 2.57            | 94.3  |
| 923      | 2/14/2011 3:16  | 9.12   | 48.62  | 31.48        | 8.86    | 7.86 | 2.1               | 2.62            | 94.1  |
| 924      | 2/14/2011 3:31  | 9.12   | 48.86  | 31.66        | 8.84    | 7.86 | 2.4               | 2.66            | 94.0  |
| 925      | 2/14/2011 3:46  | 9.14   | 48.72  | 31.56        | 8.84    | 7.86 | 2.6               | 2.71            | 94.1  |
| 926      | 2/14/2011 4:01  | 9.21   | 49.22  | 31.92        | 8.82    | 7.85 | 2.4               | 2.76            | 94.2  |
| 927      | 2/14/2011 4:16  | 9.22   | 49.27  | 31.96        | 8.87    | 7.85 | 2.6               | 2.81            | 94.7  |
| 928      | 2/14/2011 4:31  | 9.20   | 49.22  | 31.92        | 8.94    | 7.85 | 2.4               | 2.88            | 95.5  |
| 929      | 2/14/2011 4:46  | 9.21   | 49.51  | 32.13        | 8.93    | 7.85 | 2.6               | 2.93            | 95.5  |
| 930      | 2/14/2011 5:01  | 9.22   | 49.46  | 32.10        | 8.93    | 7.85 | 2.3               | 2.98            | 95.4  |
| 931      | 2/14/2011 5:16  | 9.22   | 49.67  | 32.25        | 8.98    | 7.85 | 2.7               | 3.05            | 96.1  |
| 932      | 2/14/2011 5:31  | 9.23   | 49.52  | 32.14        | 9.02    | 7.86 | 3.1               | 3.12            | 96.5  |
| 933      | 2/14/2011 5:46  | 9.24   | 49.45  | 32.09        | 9.06    | 7.86 | 3.1               | 3.18            | 96.9  |
| 934      | 2/14/2011 6:01  | 9.26   | 49.50  | 32.13        | 9.07    | 7.86 | 3.3               | 3.25            | 97.1  |
| 935      | 2/14/2011 6:16  | 9.30   | 49.94  | 32.45        | 9.11    | 7.87 | 3.4               | 3.31            | 97.8  |
| 936      | 2/14/2011 6:31  | 9.33   | 49.87  | 32.40        | 9.14    | 7.88 | 3.2               | 3.37            | 98.2  |
| 937      | 2/14/2011 6:46  | 9.37   | 49.90  | 32.43        | 9.16    | 7.89 | 2.9               | 3.43            | 98.5  |
| 938      | 2/14/2011 7:01  | 9.44   | 49.95  | 32.47        | 9.25    | 7.91 | 3.3               | 3.46            | 99.6  |
| 939      | 2/14/2011 7:16  | 9.47   | 49.73  | 32.31        | 9.27    | 7.91 | 2.6               | 3.49            | 99.8  |
| 940      | 2/14/2011 7:31  | 9.46   | 49.63  | 32.24        | 9.29    | 7.92 | 2.6               | 3.53            | 100.0 |
| 941      | 2/14/2011 7:46  | 9.47   | 49.64  | 32.24        | 9.29    | 7.92 | 2.3               | 3.55            | 100.0 |
| 942      | 2/14/2011 8:01  | 9.47   | 49.97  | 32.48        | 9.24    | 7.92 | 1.8               | 3.54            | 99.6  |
| 943      | 2/14/2011 8:16  | 9.37   | 49.85  | 32.39        | 9.14    | 7.90 | 2.2               | 3.55            | 98.3  |
| 944      | 2/14/2011 8:31  | 9.43   | 49.61  | 32.22        | 9.21    | 7.91 | 2.3               | 3.51            | 99.0  |
| 945      | 2/14/2011 8:46  | 9.44   | 49.94  | 32.45        | 9.29    | 7.91 | 2.3               | 3.48            | 100.0 |
| 946      | 2/14/2011 9:01  | 9.41   | 49.88  | 32.42        | 9.31    | 7.91 | 2.6               | 3.40            | 100.1 |
| 947      | 2/14/2011 9:16  | 9.31   | 49.54  | 32.16        | 9.24    | 7.88 | 3.4               | 3.35            | 99.0  |
| 948      | 2/14/2011 9:31  | 9.25   | 49.03  | 31.79        | 9.25    | 7.88 | 3.4               | 3.28            | 98.8  |
| 949      | 2/14/2011 9:46  | 9.22   | 49.30  | 31.98        | 9.22    | 7.88 | 4.2               | 3.18            | 98.5  |
| 950      | 2/14/2011 10:01 | 9.19   | 48.91  | 31.70        | 9.18    | 7.87 | 3.9               | 3.12            | 97.8  |
| 951      | 2/14/2011 10:16 | 9.21   | 49.02  | 31.78        | 9.11    | 7.86 | 4.6               | 3.02            | 97.2  |
| 952      | 2/14/2011 10:31 | 9.25   | 49.18  | 31.90        | 9.16    | 7.86 | 4.8               | 2.93            | 97.9  |
| 953      | 2/14/2011 10:46 | 9.25   | 49.05  | 31.80        | 9.20    | 7.87 | 4.6               | 2.83            | 98.2  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 954      | 2/14/2011 11:01 | 9.29   | 48.79  | 31.62        | 9.24    | 7.88 | 4.4               | 2.73            | 98.6  |
| 955      | 2/14/2011 11:16 | 9.33   | 48.38  | 31.32        | 9.26    | 7.90 | 5.2               | 2.64            | 98.7  |
| 956      | 2/14/2011 11:31 | 9.39   | 48.17  | 31.18        | 9.32    | 7.91 | 6.1               | 2.54            | 99.4  |
| 957      | 2/14/2011 11:46 | 9.44   | 48.63  | 31.52        | 9.37    | 7.90 | 6.9               | 2.44            | 100.3 |
| 958      | 2/14/2011 12:01 | 9.42   | 48.59  | 31.48        | 9.47    | 7.89 | 8.5               | 2.33            | 101.3 |
| 959      | 2/14/2011 12:16 | 9.51   | 49.04  | 31.81        | 9.45    | 7.89 | 8.4               | 2.21            | 101.5 |
| 960      | 2/14/2011 12:31 | 9.59   | 48.78  | 31.64        | 9.46    | 7.89 | 8.6               | 2.10            | 101.6 |
| 961      | 2/14/2011 12:46 | 9.72   | 48.57  | 31.49        | 9.66    | 7.92 | 9.3               | 1.97            | 104.0 |
| 962      | 2/14/2011 13:01 | 9.82   | 48.41  | 31.39        | 9.68    | 7.92 | 9.3               | 1.84            | 104.4 |
| 963      | 2/14/2011 13:16 | 9.82   | 48.19  | 31.23        | 9.63    | 7.92 | 9.5               | 1.72            | 103.7 |
| 964      | 2/14/2011 13:31 | 9.82   | 48.15  | 31.20        | 9.65    | 7.91 | 9.5               | 1.61            | 103.9 |
| 965      | 2/14/2011 13:46 | 9.85   | 48.31  | 31.31        | 9.58    | 7.91 | 11.3              | 1.51            | 103.3 |
| 966      | 2/14/2011 14:01 | 9.81   | 48.04  | 31.11        | 9.50    | 7.91 | 10.7              | 1.43            | 102.2 |
| 967      | 2/14/2011 14:16 | 9.88   | 48.05  | 31.13        | 9.55    | 7.92 | 10.0              | 1.34            | 103.0 |
| 968      | 2/14/2011 14:31 | 9.88   | 48.18  | 31.22        | 9.53    | 7.92 | 7.9               | 1.31            | 102.7 |
| 969      | 2/14/2011 14:46 | 9.89   | 48.11  | 31.17        | 9.52    | 7.92 | 6.5               | 1.28            | 102.7 |
| 970      | 2/14/2011 15:01 | 9.99   | 48.02  | 31.12        | 9.48    | 7.92 | 7.2               | 1.24            | 102.4 |
| 971      | 2/14/2011 15:16 | 9.92   | 48.03  | 31.12        | 9.55    | 7.91 | 6.3               | 1.27            | 103.1 |
| 972      | 2/14/2011 15:31 | 9.90   | 48.12  | 31.18        | 9.53    | 7.91 | 7.7               | 1.31            | 102.8 |
| 973      | 2/14/2011 15:46 | 9.82   | 47.66  | 30.84        | 9.52    | 7.90 | 6.2               | 1.34            | 102.3 |
| 974      | 2/14/2011 16:01 | 9.84   | 48.21  | 31.24        | 9.52    | 7.90 | 6.1               | 1.41            | 102.6 |
| 975      | 2/14/2011 16:16 | 9.87   | 47.86  | 30.99        | 9.50    | 7.92 | 5.2               | 1.47            | 102.3 |
| 976      | 2/14/2011 16:31 | 9.92   | 47.42  | 30.68        | 9.57    | 7.93 | 5.4               | 1.54            | 103.0 |
| 977      | 2/14/2011 16:46 | 9.88   | 47.69  | 30.87        | 9.51    | 7.93 | 4.7               | 1.62            | 102.3 |
| 978      | 2/14/2011 17:01 | 9.88   | 47.48  | 30.72        | 9.53    | 7.93 | 4.9               | 1.67            | 102.5 |
| 979      | 2/14/2011 17:16 | 9.83   | 47.46  | 30.70        | 9.50    | 7.93 | 4.8               | 1.76            | 102.1 |
| 980      | 2/14/2011 17:31 | 9.80   | 47.95  | 31.05        | 9.47    | 7.92 | 5.0               | 1.83            | 101.9 |
| 981      | 2/14/2011 17:46 | 9.75   | 48.16  | 31.20        | 9.42    | 7.92 | 4.6               | 1.90            | 101.4 |
| 982      | 2/14/2011 18:01 | 9.71   | 48.29  | 31.29        | 9.32    | 7.91 | 4.0               | 1.97            | 100.2 |
| 983      | 2/14/2011 18:16 | 9.67   | 48.21  | 31.23        | 9.33    | 7.91 | 5.4               | 2.06            | 100.2 |
| 984      | 2/14/2011 18:31 | 9.67   | 47.91  | 31.02        | 9.32    | 7.91 | 7.1               | 2.14            | 100.0 |
| 985      | 2/14/2011 18:46 | 9.66   | 48.19  | 31.22        | 9.31    | 7.91 | 7.1               | 2.20            | 100.0 |
| 986      | 2/14/2011 19:01 | 9.62   | 48.36  | 31.33        | 9.27    | 7.91 | 6.5               | 2.29            | 99.6  |
| 987      | 2/14/2011 19:16 | 9.54   | 48.68  | 31.56        | 9.23    | 7.90 | 6.8               | 2.37            | 99.0  |
| 988      | 2/14/2011 19:31 | 9.52   | 48.77  | 31.62        | 9.20    | 7.89 | 6.5               | 2.44            | 98.7  |
| 989      | 2/14/2011 19:46 | 9.51   | 48.72  | 31.59        | 9.20    | 7.89 | 6.0               | 2.51            | 98.7  |
| 990      | 2/14/2011 20:01 | 9.49   | 48.52  | 31.44        | 9.20    | 7.89 | 6.4               | 2.59            | 98.5  |
| 991      | 2/14/2011 20:16 | 9.50   | 48.92  | 31.73        | 9.18    | 7.88 | 6.0               | 2.64            | 98.5  |
| 992      | 2/14/2011 20:31 | 9.50   | 49.05  | 31.82        | 9.18    | 7.88 | 5.8               | 2.70            | 98.6  |
| 993      | 2/14/2011 20:46 | 9.49   | 49.10  | 31.86        | 9.21    | 7.88 | 5.8               | 2.76            | 98.8  |
| 994      | 2/14/2011 21:01 | 9.49   | 48.82  | 31.65        | 9.23    | 7.88 | 5.9               | 2.82            | 99.0  |
| 995      | 2/14/2011 21:16 | 9.52   | 49.11  | 31.86        | 9.23    | 7.88 | 4.7               | 2.89            | 99.2  |
| 996      | 2/14/2011 21:31 | 9.56   | 49.09  | 31.86        | 9.27    | 7.89 | 4.6               | 2.93            | 99.7  |
| 997      | 2/14/2011 21:46 | 9.59   | 49.08  | 31.85        | 9.32    | 7.89 | 4.3               | 2.96            | 100.3 |
| 998      | 2/14/2011 22:01 | 9.61   | 49.35  | 32.04        | 9.28    | 7.89 | 4.0               | 2.98            | 100.1 |
| 999      | 2/14/2011 22:16 | 9.60   | 49.15  | 31.90        | 9.14    | 7.89 | 2.8               | 3.00            | 98.4  |
| 1000     | 2/14/2011 22:31 | 9.60   | 49.33  | 32.03        | 9.13    | 7.88 | 3.0               | 3.00            | 98.4  |
| 1001     | 2/14/2011 22:46 | 9.60   | 48.87  | 31.70        | 9.24    | 7.89 | 3.7               | 2.99            | 99.3  |
| 1002     | 2/14/2011 23:01 | 9.59   | 48.89  | 31.71        | 9.21    | 7.89 | 4.3               | 2.95            | 99.0  |
| 1003     | 2/14/2011 23:16 | 9.58   | 49.02  | 31.80        | 9.23    | 7.89 | 4.5               | 2.90            | 99.2  |
| 1004     | 2/14/2011 23:31 | 9.59   | 48.88  | 31.71        | 9.22    | 7.89 | 4.6               | 2.86            | 99.1  |
| 1005     | 2/14/2011 23:46 | 9.58   | 48.69  | 31.56        | 9.22    | 7.89 | 4.2               | 2.79            | 99.0  |
| 1006     | 2/15/2011 0:01  | 9.57   | 48.66  | 31.55        | 9.18    | 7.89 | 4.5               | 2.73            | 98.6  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1007     | 2/15/2011 0:16  | 9.56   | 48.64  | 31.53        | 9.18    | 7.88 | 4.2               | 2.69            | 98.5  |
| 1008     | 2/15/2011 0:31  | 9.55   | 48.95  | 31.75        | 9.17    | 7.88 | 4.0               | 2.60            | 98.6  |
| 1009     | 2/15/2011 0:46  | 9.53   | 48.68  | 31.56        | 9.12    | 7.88 | 4.2               | 2.57            | 97.9  |
| 1010     | 2/15/2011 1:01  | 9.52   | 48.51  | 31.44        | 9.09    | 7.87 | 3.9               | 2.53            | 97.5  |
| 1011     | 2/15/2011 1:16  | 9.55   | 48.31  | 31.29        | 9.11    | 7.88 | 4.5               | 2.48            | 97.6  |
| 1012     | 2/15/2011 1:31  | 9.59   | 48.25  | 31.25        | 9.12    | 7.89 | 4.2               | 2.46            | 97.7  |
| 1013     | 2/15/2011 1:46  | 9.60   | 48.07  | 31.12        | 9.12    | 7.89 | 4.1               | 2.41            | 97.7  |
| 1014     | 2/15/2011 2:01  | 9.59   | 48.16  | 31.19        | 9.13    | 7.88 | 3.7               | 2.41            | 97.9  |
| 1015     | 2/15/2011 2:16  | 9.58   | 48.21  | 31.22        | 8.98    | 7.88 | 3.1               | 2.38            | 96.2  |
| 1016     | 2/15/2011 2:31  | 9.58   | 48.40  | 31.36        | 8.87    | 7.88 | 2.6               | 2.36            | 95.2  |
| 1017     | 2/15/2011 2:46  | 9.57   | 48.52  | 31.45        | 8.79    | 7.88 | 2.6               | 2.37            | 94.3  |
| 1018     | 2/15/2011 3:01  | 9.56   | 48.65  | 31.54        | 8.99    | 7.88 | 3.5               | 2.40            | 96.5  |
| 1019     | 2/15/2011 3:16  | 9.57   | 48.44  | 31.39        | 9.08    | 7.88 | 4.1               | 2.40            | 97.4  |
| 1020     | 2/15/2011 3:31  | 9.56   | 48.47  | 31.41        | 9.06    | 7.88 | 3.6               | 2.43            | 97.2  |
| 1021     | 2/15/2011 3:46  | 9.55   | 48.07  | 31.12        | 9.15    | 7.88 | 4.8               | 2.49            | 97.9  |
| 1022     | 2/15/2011 4:01  | 9.55   | 48.19  | 31.21        | 9.15    | 7.88 | 4.4               | 2.51            | 98.0  |
| 1023     | 2/15/2011 4:16  | 9.55   | 48.40  | 31.36        | 9.10    | 7.88 | 4.0               | 2.58            | 97.5  |
| 1024     | 2/15/2011 4:31  | 9.56   | 48.42  | 31.37        | 9.14    | 7.88 | 4.3               | 2.64            | 98.0  |
| 1025     | 2/15/2011 4:46  | 9.56   | 48.62  | 31.52        | 9.13    | 7.88 | 4.0               | 2.69            | 97.9  |
| 1026     | 2/15/2011 5:01  | 9.57   | 48.82  | 31.66        | 9.14    | 7.88 | 4.4               | 2.77            | 98.2  |
| 1027     | 2/15/2011 5:16  | 9.56   | 48.83  | 31.67        | 9.20    | 7.88 | 4.3               | 2.85            | 98.8  |
| 1028     | 2/15/2011 5:31  | 9.55   | 48.90  | 31.71        | 9.20    | 7.88 | 4.3               | 2.91            | 98.8  |
| 1029     | 2/15/2011 5:46  | 9.54   | 48.99  | 31.78        | 9.18    | 7.89 | 4.5               | 3.00            | 98.7  |
| 1030     | 2/15/2011 6:01  | 9.55   | 48.90  | 31.72        | 9.22    | 7.89 | 4.9               | 3.08            | 99.0  |
| 1031     | 2/15/2011 6:16  | 9.55   | 49.28  | 31.99        | 9.22    | 7.89 | 4.9               | 3.14            | 99.2  |
| 1032     | 2/15/2011 6:31  | 9.54   | 49.54  | 32.18        | 9.22    | 7.89 | 4.6               | 3.22            | 99.4  |
| 1033     | 2/15/2011 6:46  | 9.54   | 49.36  | 32.05        | 9.27    | 7.89 | 4.8               | 3.30            | 99.8  |
| 1034     | 2/15/2011 7:01  | 9.52   | 49.75  | 32.33        | 9.27    | 7.89 | 4.5               | 3.37            | 99.9  |
| 1035     | 2/15/2011 7:16  | 9.50   | 49.83  | 32.38        | 9.32    | 7.89 | 4.9               | 3.44            | 100.5 |
| 1036     | 2/15/2011 7:31  | 9.49   | 49.56  | 32.19        | 9.31    | 7.89 | 4.6               | 3.52            | 100.2 |
| 1037     | 2/15/2011 7:46  | 9.47   | 49.45  | 32.11        | 9.35    | 7.89 | 4.3               | 3.58            | 100.5 |
| 1038     | 2/15/2011 8:01  | 9.44   | 49.89  | 32.42        | 9.32    | 7.89 | 3.9               | 3.61            | 100.4 |
| 1039     | 2/15/2011 8:16  | 9.44   | 49.51  | 32.15        | 9.37    | 7.89 | 3.8               | 3.66            | 100.7 |
| 1040     | 2/15/2011 8:31  | 9.45   | 49.85  | 32.40        | 9.28    | 7.88 | 2.9               | 3.70            | 99.9  |
| 1041     | 2/15/2011 8:46  | 9.45   | 49.81  | 32.36        | 9.10    | 7.88 | 2.6               | 3.71            | 97.9  |
| 1042     | 2/15/2011 9:01  | 9.46   | 49.55  | 32.18        | 9.17    | 7.88 | 2.5               | 3.70            | 98.6  |
| 1043     | 2/15/2011 9:16  | 9.44   | 49.53  | 32.16        | 9.29    | 7.89 | 4.3               | 3.69            | 99.9  |
| 1044     | 2/15/2011 9:31  | 9.47   | 49.44  | 32.10        | 9.24    | 7.88 | 3.1               | 3.67            | 99.3  |
| 1045     | 2/15/2011 9:46  | 9.47   | 49.56  | 32.19        | 9.24    | 7.89 | 4.0               | 3.59            | 99.4  |
| 1046     | 2/15/2011 10:01 | 9.52   | 49.56  | 32.19        | 9.31    | 7.89 | 4.0               | 3.51            | 100.3 |
| 1047     | 2/15/2011 10:16 | 9.59   | 49.40  | 32.08        | 9.35    | 7.90 | 3.4               | 3.46            | 100.8 |
| 1048     | 2/15/2011 10:31 | 9.63   | 49.20  | 31.93        | 9.40    | 7.90 | 3.7               | 3.35            | 101.3 |
| 1049     | 2/15/2011 10:46 | 9.62   | 49.07  | 31.84        | 9.35    | 7.89 | 3.7               | 3.25            | 100.7 |
| 1050     | 2/15/2011 11:01 | 9.62   | 49.20  | 31.94        | 9.33    | 7.89 | 3.8               | 3.15            | 100.6 |
| 1051     | 2/15/2011 11:16 | 9.62   | 49.12  | 31.88        | 9.32    | 7.89 | 3.7               | 3.02            | 100.3 |
| 1052     | 2/15/2011 11:31 | 9.64   | 48.87  | 31.70        | 9.35    | 7.89 | 3.3               | 2.92            | 100.7 |
| 1053     | 2/15/2011 11:46 | 9.67   | 48.99  | 31.79        | 9.41    | 7.89 | 3.2               | 2.80            | 101.4 |
| 1054     | 2/15/2011 12:01 | 9.70   | 48.85  | 31.69        | 9.46    | 7.90 | 3.2               | 2.69            | 101.9 |
| 1055     | 2/15/2011 12:16 | 9.72   | 48.53  | 31.47        | 9.50    | 7.91 | 4.2               | 2.55            | 102.3 |
| 1056     | 2/15/2011 12:31 | 9.75   | 48.53  | 31.46        | 9.51    | 7.91 | 4.1               | 2.43            | 102.5 |
| 1057     | 2/15/2011 12:46 | 9.82   | 48.30  | 31.30        | 9.55    | 7.91 | 6.0               | 2.30            | 102.9 |
| 1058     | 2/15/2011 13:01 | 9.86   | 48.04  | 31.12        | 9.50    | 7.91 | 5.6               | 2.17            | 102.4 |
| 1059     | 2/15/2011 13:16 | 9.94   | 48.33  | 31.33        | 9.71    | 7.92 | 4.0               | 2.04            | 104.9 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1060     | 2/15/2011 13:31 | 9.89   | 47.88  | 31.01        | 9.58    | 7.92 | 5.9               | 1.92            | 103.2 |
| 1061     | 2/15/2011 13:46 | 9.95   | 48.01  | 31.10        | 9.67    | 7.93 | 5.1               | 1.78            | 104.4 |
| 1062     | 2/15/2011 14:01 | 9.96   | 47.74  | 30.91        | 9.64    | 7.93 | 8.1               | 1.65            | 104.0 |
| 1063     | 2/15/2011 14:16 | 9.95   | 47.72  | 30.89        | 9.63    | 7.93 | 9.8               | 1.53            | 103.8 |
| 1064     | 2/15/2011 14:31 | 9.97   | 47.66  | 30.85        | 9.49    | 7.93 | 10.0              | 1.40            | 102.3 |
| 1065     | 2/15/2011 14:46 | 10.04  | 47.39  | 30.66        | 9.47    | 7.94 | 11.4              | 1.30            | 102.1 |
| 1066     | 2/15/2011 15:01 | 10.07  | 47.29  | 30.59        | 9.45    | 7.94 | 9.4               | 1.21            | 102.0 |
| 1067     | 2/15/2011 15:16 | 10.07  | 47.28  | 30.59        | 9.39    | 7.94 | 8.5               | 1.16            | 101.4 |
| 1068     | 2/15/2011 15:31 | 10.08  | 47.24  | 30.56        | 9.35    | 7.94 | 8.7               | 1.10            | 100.9 |
| 1069     | 2/15/2011 15:46 | 10.08  | 47.27  | 30.58        | 9.22    | 7.93 | 6.8               | 1.06            | 99.5  |
| 1070     | 2/15/2011 16:01 | 10.06  | 47.30  | 30.60        | 9.31    | 7.93 | 5.1               | 1.09            | 100.4 |
| 1071     | 2/15/2011 16:16 | 10.05  | 47.32  | 30.61        | 9.36    | 7.93 | 5.8               | 1.13            | 100.9 |
| 1072     | 2/15/2011 16:31 | 10.05  | 47.19  | 30.52        | 9.36    | 7.93 | 7.3               | 1.16            | 100.9 |
| 1073     | 2/15/2011 16:46 | 10.02  | 46.94  | 30.34        | 9.42    | 7.93 | 9.1               | 1.23            | 101.3 |
| 1074     | 2/15/2011 17:01 | 10.03  | 46.19  | 29.81        | 9.41    | 7.92 | 9.0               | 1.32            | 101.0 |
| 1075     | 2/15/2011 17:16 | 10.08  | 45.99  | 29.66        | 9.42    | 7.92 | 7.5               | 1.40            | 101.1 |
| 1076     | 2/15/2011 17:31 | 10.07  | 45.85  | 29.57        | 9.42    | 7.91 | 6.0               | 1.47            | 101.0 |
| 1077     | 2/15/2011 17:46 | 10.08  | 45.53  | 29.34        | 9.44    | 7.91 | 6.4               | 1.55            | 101.0 |
| 1078     | 2/15/2011 18:01 | 10.04  | 46.07  | 29.72        | 9.39    | 7.91 | 5.7               | 1.61            | 100.7 |
| 1079     | 2/15/2011 18:16 | 10.02  | 46.29  | 29.87        | 9.36    | 7.91 | 4.5               | 1.71            | 100.4 |
| 1080     | 2/15/2011 18:31 | 9.98   | 46.85  | 30.27        | 9.33    | 7.91 | 4.8               | 1.80            | 100.3 |
| 1081     | 2/15/2011 18:46 | 9.95   | 47.06  | 30.42        | 9.32    | 7.90 | 4.8               | 1.88            | 100.1 |
| 1082     | 2/15/2011 19:01 | 9.91   | 47.01  | 30.38        | 9.27    | 7.90 | 5.4               | 1.97            | 99.6  |
| 1083     | 2/15/2011 19:16 | 9.88   | 47.18  | 30.51        | 9.23    | 7.90 | 5.6               | 2.08            | 99.1  |
| 1084     | 2/15/2011 19:31 | 9.86   | 47.64  | 30.83        | 9.19    | 7.89 | 7.4               | 2.19            | 98.8  |
| 1085     | 2/15/2011 19:46 | 9.82   | 47.57  | 30.78        | 9.19    | 7.89 | 7.8               | 2.26            | 98.7  |
| 1086     | 2/15/2011 20:01 | 9.79   | 47.52  | 30.74        | 9.18    | 7.89 | 6.6               | 2.36            | 98.5  |
| 1087     | 2/15/2011 20:16 | 9.73   | 47.52  | 30.74        | 9.18    | 7.89 | 8.7               | 2.46            | 98.4  |
| 1088     | 2/15/2011 20:31 | 9.72   | 47.83  | 30.96        | 9.17    | 7.89 | 8.0               | 2.55            | 98.4  |
| 1089     | 2/15/2011 20:46 | 9.69   | 47.59  | 30.79        | 9.20    | 7.88 | 10.1              | 2.62            | 98.6  |
| 1090     | 2/15/2011 21:01 | 9.65   | 48.26  | 31.26        | 9.22    | 7.88 | 10.3              | 2.70            | 99.0  |
| 1091     | 2/15/2011 21:16 | 9.62   | 48.48  | 31.42        | 9.24    | 7.88 | 9.8               | 2.77            | 99.2  |
| 1092     | 2/15/2011 21:31 | 9.61   | 48.50  | 31.43        | 9.31    | 7.89 | 9.5               | 2.85            | 99.9  |
| 1093     | 2/15/2011 21:46 | 9.59   | 48.97  | 31.77        | 9.35    | 7.88 | 9.3               | 2.90            | 100.6 |
| 1094     | 2/15/2011 22:01 | 9.57   | 48.80  | 31.64        | 9.36    | 7.89 | 7.6               | 2.99            | 100.5 |
| 1095     | 2/15/2011 22:16 | 9.54   | 48.81  | 31.65        | 9.36    | 7.89 | 6.3               | 3.04            | 100.5 |
| 1096     | 2/15/2011 22:31 | 9.54   | 48.87  | 31.70        | 9.36    | 7.89 | 5.9               | 3.08            | 100.6 |
| 1097     | 2/15/2011 22:46 | 9.53   | 48.99  | 31.78        | 9.31    | 7.89 | 5.0               | 3.12            | 100.0 |
| 1098     | 2/15/2011 23:01 | 9.55   | 49.07  | 31.84        | 9.24    | 7.89 | 4.9               | 3.14            | 99.4  |
| 1099     | 2/15/2011 23:16 | 9.53   | 49.07  | 31.84        | 9.29    | 7.88 | 5.1               | 3.11            | 99.9  |
| 1100     | 2/15/2011 23:31 | 9.54   | 49.19  | 31.92        | 9.32    | 7.88 | 6.3               | 3.07            | 100.2 |
| 1101     | 2/15/2011 23:46 | 9.49   | 48.08  | 31.12        | 9.24    | 7.88 | 6.6               | 3.04            | 98.8  |
| 1102     | 2/16/2011 0:01  | 9.49   | 48.29  | 31.28        | 9.21    | 7.88 | 6.5               | 2.96            | 98.5  |
| 1103     | 2/16/2011 0:16  | 9.53   | 48.04  | 31.10        | 9.14    | 7.88 | 8.6               | 2.88            | 97.8  |
| 1104     | 2/16/2011 0:31  | 9.53   | 47.51  | 30.71        | 9.05    | 7.87 | 6.2               | 2.80            | 96.6  |
| 1105     | 2/16/2011 0:46  | 9.53   | 47.78  | 30.91        | 9.05    | 7.87 | 7.6               | 2.73            | 96.7  |
| 1106     | 2/16/2011 1:01  | 9.54   | 47.37  | 30.62        | 9.01    | 7.87 | 5.1               | 2.67            | 96.1  |
| 1107     | 2/16/2011 1:16  | 9.54   | 47.55  | 30.75        | 8.93    | 7.87 | 5.3               | 2.58            | 95.3  |
| 1108     | 2/16/2011 1:31  | 9.51   | 46.74  | 30.17        | 9.01    | 7.87 | 6.6               | 2.52            | 95.7  |
| 1109     | 2/16/2011 1:46  | 9.51   | 46.89  | 30.27        | 8.99    | 7.87 | 6.5               | 2.47            | 95.6  |
| 1110     | 2/16/2011 2:01  | 9.51   | 46.58  | 30.05        | 8.94    | 7.87 | 6.0               | 2.40            | 94.9  |
| 1111     | 2/16/2011 2:16  | 9.54   | 46.69  | 30.13        | 8.90    | 7.87 | 5.4               | 2.36            | 94.7  |
| 1112     | 2/16/2011 2:31  | 9.54   | 46.70  | 30.14        | 8.91    | 7.87 | 5.0               | 2.32            | 94.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1113     | 2/16/2011 2:46  | 9.54   | 46.79  | 30.20        | 8.87    | 7.87 | 4.7               | 2.27            | 94.4  |
| 1114     | 2/16/2011 3:01  | 9.54   | 46.87  | 30.26        | 8.80    | 7.86 | 4.8               | 2.24            | 93.7  |
| 1115     | 2/16/2011 3:16  | 9.53   | 46.82  | 30.22        | 8.76    | 7.86 | 4.1               | 2.23            | 93.2  |
| 1116     | 2/16/2011 3:31  | 9.53   | 46.46  | 29.97        | 8.83    | 7.86 | 4.3               | 2.19            | 93.8  |
| 1117     | 2/16/2011 3:46  | 9.53   | 46.47  | 29.98        | 8.78    | 7.86 | 3.8               | 2.19            | 93.2  |
| 1118     | 2/16/2011 4:01  | 9.54   | 46.49  | 29.99        | 8.74    | 7.85 | 4.2               | 2.20            | 92.8  |
| 1119     | 2/16/2011 4:16  | 9.54   | 46.49  | 29.99        | 8.90    | 7.87 | 4.3               | 2.19            | 94.5  |
| 1120     | 2/16/2011 4:31  | 9.54   | 46.76  | 30.18        | 8.80    | 7.86 | 3.8               | 2.22            | 93.5  |
| 1121     | 2/16/2011 4:46  | 9.54   | 46.81  | 30.21        | 8.90    | 7.87 | 5.2               | 2.28            | 94.7  |
| 1122     | 2/16/2011 5:01  | 9.55   | 47.01  | 30.36        | 8.90    | 7.87 | 5.1               | 2.32            | 94.7  |
| 1123     | 2/16/2011 5:16  | 9.52   | 46.85  | 30.24        | 8.94    | 7.86 | 8.3               | 2.39            | 95.1  |
| 1124     | 2/16/2011 5:31  | 9.53   | 46.85  | 30.24        | 8.95    | 7.86 | 8.7               | 2.47            | 95.2  |
| 1125     | 2/16/2011 5:46  | 9.52   | 46.58  | 30.05        | 9.00    | 7.86 | 8.7               | 2.55            | 95.6  |
| 1126     | 2/16/2011 6:01  | 9.52   | 47.32  | 30.58        | 9.06    | 7.87 | 7.9               | 2.61            | 96.6  |
| 1127     | 2/16/2011 6:16  | 9.51   | 47.72  | 30.86        | 9.12    | 7.87 | 9.8               | 2.71            | 97.4  |
| 1128     | 2/16/2011 6:31  | 9.47   | 47.86  | 30.96        | 9.15    | 7.87 | 8.6               | 2.79            | 97.6  |
| 1129     | 2/16/2011 6:46  | 9.49   | 47.65  | 30.82        | 9.19    | 7.88 | 11.4              | 2.89            | 98.0  |
| 1130     | 2/16/2011 7:01  | 9.48   | 48.03  | 31.09        | 9.23    | 7.88 | 14.2              | 2.99            | 98.6  |
| 1131     | 2/16/2011 7:16  | 9.47   | 48.38  | 31.34        | 9.25    | 7.88 | 16.5              | 3.09            | 99.0  |
| 1132     | 2/16/2011 7:31  | 9.45   | 48.12  | 31.15        | 9.29    | 7.88 | 16.0              | 3.18            | 99.3  |
| 1133     | 2/16/2011 7:46  | 9.36   | 48.51  | 31.42        | 9.39    | 7.88 | 17.0              | 3.28            | 100.3 |
| 1134     | 2/16/2011 8:01  | 9.36   | 48.38  | 31.33        | 9.44    | 7.88 | 14.9              | 3.39            | 100.8 |
| 1135     | 2/16/2011 8:16  | 9.35   | 48.68  | 31.54        | 9.45    | 7.88 | 14.8              | 3.48            | 101.0 |
| 1136     | 2/16/2011 8:31  | 9.35   | 48.81  | 31.63        | 9.49    | 7.88 | 11.8              | 3.53            | 101.4 |
| 1137     | 2/16/2011 8:46  | 9.34   | 48.56  | 31.46        | 9.48    | 7.88 | 8.5               | 3.61            | 101.2 |
| 1138     | 2/16/2011 9:01  | 9.33   | 48.93  | 31.73        | 9.48    | 7.88 | 7.2               | 3.69            | 101.4 |
| 1139     | 2/16/2011 9:16  | 9.32   | 48.68  | 31.54        | 9.42    | 7.88 | 5.2               | 3.72            | 100.6 |
| 1140     | 2/16/2011 9:31  | 9.31   | 48.97  | 31.75        | 9.45    | 7.88 | 5.4               | 3.75            | 101.0 |
| 1141     | 2/16/2011 9:46  | 9.31   | 48.67  | 31.54        | 9.32    | 7.88 | 3.5               | 3.78            | 99.4  |
| 1142     | 2/16/2011 10:01 | 9.32   | 48.89  | 31.69        | 9.36    | 7.88 | 6.1               | 3.76            | 100.1 |
| 1143     | 2/16/2011 10:16 | 9.34   | 48.85  | 31.67        | 9.40    | 7.88 | 7.1               | 3.73            | 100.5 |
| 1144     | 2/16/2011 10:31 | 9.34   | 49.13  | 31.87        | 9.41    | 7.88 | 6.9               | 3.67            | 100.7 |
| 1145     | 2/16/2011 10:46 | 9.38   | 48.93  | 31.73        | 9.39    | 7.88 | 6.3               | 3.62            | 100.6 |
| 1146     | 2/16/2011 11:01 | 9.46   | 48.04  | 31.09        | 9.51    | 7.89 | 6.3               | 3.52            | 101.5 |
| 1147     | 2/16/2011 11:16 | 9.49   | 48.07  | 31.12        | 9.42    | 7.88 | 4.6               | 3.44            | 100.7 |
| 1148     | 2/16/2011 11:31 | 9.46   | 47.55  | 30.74        | 9.35    | 7.87 | 5.8               | 3.34            | 99.6  |
| 1149     | 2/16/2011 11:46 | 9.38   | 46.46  | 29.96        | 9.33    | 7.87 | 6.6               | 3.21            | 98.7  |
| 1150     | 2/16/2011 12:01 | 9.36   | 46.89  | 30.26        | 9.28    | 7.86 | 10.9              | 3.10            | 98.3  |
| 1151     | 2/16/2011 12:16 | 9.34   | 46.47  | 29.96        | 9.34    | 7.87 | 11.1              | 3.00            | 98.7  |
| 1152     | 2/16/2011 12:31 | 9.35   | 47.07  | 30.39        | 9.32    | 7.87 | 15.0              | 2.87            | 98.8  |
| 1153     | 2/16/2011 12:46 | 9.25   | 46.38  | 29.89        | 9.32    | 7.87 | 9.8               | 2.74            | 98.3  |
| 1154     | 2/16/2011 13:01 | 9.28   | 46.56  | 30.02        | 9.30    | 7.87 | 8.7               | 2.61            | 98.2  |
| 1155     | 2/16/2011 13:16 | 9.29   | 46.48  | 29.97        | 9.31    | 7.87 | 8.3               | 2.48            | 98.4  |
| 1156     | 2/16/2011 13:31 | 9.27   | 46.51  | 29.98        | 9.34    | 7.88 | 8.4               | 2.33            | 98.6  |
| 1157     | 2/16/2011 13:46 | 9.33   | 46.18  | 29.75        | 9.36    | 7.88 | 8.2               | 2.19            | 98.8  |
| 1158     | 2/16/2011 14:01 | 9.39   | 46.37  | 29.89        | 9.34    | 7.88 | 9.4               | 2.04            | 98.9  |
| 1159     | 2/16/2011 14:16 | 9.43   | 46.49  | 29.98        | 9.47    | 7.89 | 8.5               | 1.89            | 100.3 |
| 1160     | 2/16/2011 14:31 | 9.45   | 46.18  | 29.76        | 9.61    | 7.90 | 8.4               | 1.74            | 101.7 |
| 1161     | 2/16/2011 14:46 | 9.51   | 46.27  | 29.83        | 9.62    | 7.90 | 8.9               | 1.61            | 102.0 |
| 1162     | 2/16/2011 15:01 | 9.49   | 45.68  | 29.41        | 9.48    | 7.90 | 9.0               | 1.47            | 100.2 |
| 1163     | 2/16/2011 15:16 | 9.46   | 45.92  | 29.58        | 9.43    | 7.90 | 8.5               | 1.31            | 99.7  |
| 1164     | 2/16/2011 15:31 | 9.43   | 45.84  | 29.52        | 9.37    | 7.89 | 8.4               | 1.21            | 98.9  |
| 1165     | 2/16/2011 15:46 | 9.40   | 45.76  | 29.45        | 9.37    | 7.89 | 10.0              | 1.13            | 98.9  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1166     | 2/16/2011 16:01 | 9.36   | 46.03  | 29.65        | 9.36    | 7.89 | 12.3              | 1.01            | 98.8  |
| 1167     | 2/16/2011 16:16 | 9.34   | 45.97  | 29.60        | 9.31    | 7.89 | 8.2               | 0.96            | 98.2  |
| 1168     | 2/16/2011 16:31 | 9.28   | 45.77  | 29.46        | 9.37    | 7.91 | 7.6               | 0.95            | 98.7  |
| 1169     | 2/16/2011 16:46 | 9.32   | 45.59  | 29.33        | 9.41    | 7.91 | 7.1               | 0.95            | 99.1  |
| 1170     | 2/16/2011 17:01 | 9.29   | 45.79  | 29.47        | 9.40    | 7.91 | 5.0               | 1.00            | 98.9  |
| 1171     | 2/16/2011 17:16 | 9.30   | 45.75  | 29.45        | 9.38    | 7.90 | 5.6               | 1.07            | 98.8  |
| 1172     | 2/16/2011 17:31 | 9.31   | 45.25  | 29.09        | 9.37    | 7.90 | 6.5               | 1.16            | 98.5  |
| 1173     | 2/16/2011 17:46 | 9.34   | 45.27  | 29.10        | 9.30    | 7.89 | 6.0               | 1.24            | 97.8  |
| 1174     | 2/16/2011 18:01 | 9.35   | 44.45  | 28.52        | 9.27    | 7.88 | 8.4               | 1.35            | 97.1  |
| 1175     | 2/16/2011 18:16 | 9.35   | 44.41  | 28.50        | 9.27    | 7.87 | 8.8               | 1.44            | 97.2  |
| 1176     | 2/16/2011 18:31 | 9.36   | 44.34  | 28.44        | 9.25    | 7.87 | 8.0               | 1.54            | 96.9  |
| 1177     | 2/16/2011 18:46 | 9.38   | 45.07  | 28.97        | 9.20    | 7.87 | 6.9               | 1.64            | 96.7  |
| 1178     | 2/16/2011 19:01 | 9.35   | 44.55  | 28.60        | 9.22    | 7.87 | 7.9               | 1.71            | 96.6  |
| 1179     | 2/16/2011 19:16 | 9.36   | 44.74  | 28.73        | 9.23    | 7.87 | 8.4               | 1.84            | 96.9  |
| 1180     | 2/16/2011 19:31 | 9.36   | 45.60  | 29.34        | 9.21    | 7.87 | 7.7               | 1.95            | 97.0  |
| 1181     | 2/16/2011 19:46 | 9.32   | 45.29  | 29.12        | 9.25    | 7.87 | 8.3               | 2.05            | 97.2  |
| 1182     | 2/16/2011 20:01 | 9.34   | 46.11  | 29.70        | 9.21    | 7.87 | 8.2               | 2.15            | 97.2  |
| 1183     | 2/16/2011 20:16 | 9.32   | 45.95  | 29.59        | 9.22    | 7.87 | 8.8               | 2.25            | 97.2  |
| 1184     | 2/16/2011 20:31 | 9.30   | 46.13  | 29.71        | 9.20    | 7.87 | 11.0              | 2.35            | 97.0  |
| 1185     | 2/16/2011 20:46 | 9.29   | 46.30  | 29.84        | 9.19    | 7.87 | 13.4              | 2.46            | 97.0  |
| 1186     | 2/16/2011 21:01 | 9.24   | 45.98  | 29.61        | 9.25    | 7.86 | 12.6              | 2.56            | 97.4  |
| 1187     | 2/16/2011 21:16 | 9.21   | 46.04  | 29.65        | 9.33    | 7.87 | 21.0              | 2.66            | 98.1  |
| 1188     | 2/16/2011 21:31 | 9.20   | 46.49  | 29.97        | 9.37    | 7.87 | 20.6              | 2.76            | 98.7  |
| 1189     | 2/16/2011 21:46 | 9.19   | 46.37  | 29.88        | 9.47    | 7.87 | 23.6              | 2.84            | 99.7  |
| 1190     | 2/16/2011 22:01 | 9.19   | 47.05  | 30.37        | 9.56    | 7.88 | 18.4              | 2.94            | 101.0 |
| 1191     | 2/16/2011 22:16 | 9.23   | 47.29  | 30.54        | 9.65    | 7.89 | 19.2              | 3.02            | 102.2 |
| 1192     | 2/16/2011 22:31 | 9.26   | 47.41  | 30.63        | 9.70    | 7.89 | 16.1              | 3.07            | 102.8 |
| 1193     | 2/16/2011 22:46 | 9.27   | 47.81  | 30.91        | 9.72    | 7.90 | 14.6              | 3.16            | 103.2 |
| 1194     | 2/16/2011 23:01 | 9.26   | 47.49  | 30.69        | 9.71    | 7.90 | 12.0              | 3.22            | 103.0 |
| 1195     | 2/16/2011 23:16 | 9.23   | 47.27  | 30.52        | 9.65    | 7.90 | 9.0               | 3.25            | 102.1 |
| 1196     | 2/16/2011 23:31 | 9.21   | 47.29  | 30.54        | 9.63    | 7.90 | 8.7               | 3.27            | 101.9 |
| 1197     | 2/16/2011 23:46 | 9.19   | 47.40  | 30.61        | 9.49    | 7.89 | 7.4               | 3.27            | 100.4 |
| 1198     | 2/17/2011 0:01  | 9.24   | 47.66  | 30.80        | 9.58    | 7.89 | 10.7              | 3.25            | 101.6 |
| 1199     | 2/17/2011 0:16  | 9.09   | 47.04  | 30.35        | 9.58    | 7.89 | 9.3               | 3.18            | 100.9 |
| 1200     | 2/17/2011 0:31  | 8.96   | 46.96  | 30.29        | 9.56    | 7.88 | 9.3               | 3.10            | 100.5 |
| 1201     | 2/17/2011 0:46  | 8.96   | 46.66  | 30.07        | 9.58    | 7.89 | 8.9               | 3.04            | 100.5 |
| 1202     | 2/17/2011 1:01  | 8.91   | 46.66  | 30.07        | 9.54    | 7.88 | 10.9              | 2.94            | 100.0 |
| 1203     | 2/17/2011 1:16  | 8.88   | 46.09  | 29.66        | 9.39    | 7.86 | 12.5              | 2.85            | 98.1  |
| 1204     | 2/17/2011 1:31  | 8.87   | 45.82  | 29.46        | 9.40    | 7.87 | 11.7              | 2.76            | 98.0  |
| 1205     | 2/17/2011 1:46  | 8.85   | 45.82  | 29.46        | 9.39    | 7.87 | 9.5               | 2.67            | 97.9  |
| 1206     | 2/17/2011 2:01  | 8.83   | 45.87  | 29.50        | 9.37    | 7.86 | 8.1               | 2.56            | 97.6  |
| 1207     | 2/17/2011 2:16  | 8.81   | 45.73  | 29.39        | 9.33    | 7.86 | 7.9               | 2.48            | 97.2  |
| 1208     | 2/17/2011 2:31  | 8.76   | 45.71  | 29.38        | 9.37    | 7.86 | 7.2               | 2.43            | 97.4  |
| 1209     | 2/17/2011 2:46  | 8.79   | 45.00  | 28.87        | 9.30    | 7.86 | 7.5               | 2.31            | 96.5  |
| 1210     | 2/17/2011 3:01  | 8.76   | 45.40  | 29.16        | 9.26    | 7.86 | 6.7               | 2.25            | 96.2  |
| 1211     | 2/17/2011 3:16  | 8.68   | 45.35  | 29.12        | 9.25    | 7.86 | 6.4               | 2.17            | 95.9  |
| 1212     | 2/17/2011 3:31  | 8.74   | 45.02  | 28.89        | 9.23    | 7.85 | 6.5               | 2.11            | 95.6  |
| 1213     | 2/17/2011 3:46  | 8.70   | 44.88  | 28.79        | 9.22    | 7.85 | 6.7               | 2.06            | 95.3  |
| 1214     | 2/17/2011 4:01  | 8.67   | 44.92  | 28.81        | 9.22    | 7.85 | 7.6               | 2.01            | 95.3  |
| 1215     | 2/17/2011 4:16  | 8.72   | 44.77  | 28.71        | 9.18    | 7.85 | 5.9               | 1.99            | 94.9  |
| 1216     | 2/17/2011 4:31  | 8.71   | 44.59  | 28.58        | 9.12    | 7.85 | 4.6               | 1.96            | 94.3  |
| 1217     | 2/17/2011 4:46  | 8.80   | 45.03  | 28.90        | 9.06    | 7.85 | 4.8               | 1.98            | 94.0  |
| 1218     | 2/17/2011 5:01  | 8.85   | 45.16  | 29.00        | 9.10    | 7.85 | 5.6               | 1.99            | 94.6  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1219     | 2/17/2011 5:16  | 8.84   | 45.10  | 28.95        | 9.12    | 7.85 | 5.8               | 2.05            | 94.7  |
| 1220     | 2/17/2011 5:31  | 8.75   | 44.75  | 28.69        | 9.17    | 7.84 | 7.5               | 2.12            | 94.9  |
| 1221     | 2/17/2011 5:46  | 8.80   | 44.80  | 28.74        | 9.18    | 7.84 | 7.6               | 2.17            | 95.2  |
| 1222     | 2/17/2011 6:01  | 8.78   | 44.71  | 28.67        | 9.19    | 7.84 | 8.4               | 2.26            | 95.2  |
| 1223     | 2/17/2011 6:16  | 8.80   | 44.80  | 28.74        | 9.20    | 7.85 | 8.7               | 2.34            | 95.3  |
| 1224     | 2/17/2011 6:31  | 8.84   | 45.08  | 28.94        | 9.24    | 7.85 | 10.3              | 2.43            | 96.0  |
| 1225     | 2/17/2011 6:46  | 8.87   | 45.39  | 29.16        | 9.27    | 7.85 | 10.4              | 2.50            | 96.5  |
| 1226     | 2/17/2011 7:01  | 8.86   | 45.51  | 29.24        | 9.34    | 7.86 | 11.2              | 2.61            | 97.2  |
| 1227     | 2/17/2011 7:16  | 8.85   | 45.87  | 29.50        | 9.36    | 7.86 | 11.5              | 2.72            | 97.6  |
| 1228     | 2/17/2011 7:31  | 8.87   | 45.86  | 29.49        | 9.39    | 7.87 | 10.9              | 2.80            | 97.9  |
| 1229     | 2/17/2011 7:46  | 8.92   | 45.87  | 29.50        | 9.41    | 7.87 | 13.3              | 2.90            | 98.3  |
| 1230     | 2/17/2011 8:01  | 8.96   | 46.21  | 29.75        | 9.43    | 7.87 | 17.5              | 3.00            | 98.7  |
| 1231     | 2/17/2011 8:16  | 8.99   | 46.15  | 29.71        | 9.52    | 7.88 | 23.4              | 3.11            | 99.7  |
| 1232     | 2/17/2011 8:31  | 9.01   | 46.05  | 29.64        | 9.57    | 7.88 | 21.9              | 3.22            | 100.2 |
| 1233     | 2/17/2011 8:46  | 9.05   | 46.66  | 30.08        | 9.61    | 7.89 | 20.6              | 3.33            | 101.0 |
| 1234     | 2/17/2011 9:01  | 9.08   | 46.57  | 30.01        | 9.65    | 7.90 | 23.2              | 3.45            | 101.5 |
| 1235     | 2/17/2011 9:16  | 9.09   | 46.75  | 30.14        | 9.67    | 7.90 | 22.0              | 3.52            | 101.8 |
| 1236     | 2/17/2011 9:31  | 9.10   | 46.84  | 30.21        | 9.67    | 7.91 | 19.3              | 3.61            | 101.9 |
| 1237     | 2/17/2011 9:46  | 9.12   | 46.94  | 30.28        | 9.65    | 7.90 | 17.3              | 3.69            | 101.8 |
| 1238     | 2/17/2011 10:01 | 9.12   | 46.94  | 30.28        | 9.63    | 7.91 | 14.5              | 3.75            | 101.5 |
| 1239     | 2/17/2011 10:16 | 9.13   | 46.94  | 30.28        | 9.56    | 7.91 | 11.4              | 3.79            | 100.8 |
| 1240     | 2/17/2011 10:31 | 9.15   | 46.93  | 30.27        | 9.52    | 7.91 | 8.2               | 3.83            | 100.4 |
| 1241     | 2/17/2011 10:46 | 9.01   | 46.46  | 29.93        | 9.56    | 7.89 | 6.4               | 3.84            | 100.3 |
| 1242     | 2/17/2011 11:01 | 9.10   | 46.56  | 30.01        | 9.54    | 7.90 | 9.2               | 3.84            | 100.4 |
| 1243     | 2/17/2011 11:16 | 9.10   | 46.48  | 29.95        | 9.60    | 7.90 | 10.9              | 3.79            | 101.0 |
| 1244     | 2/17/2011 11:31 | 9.13   | 46.74  | 30.14        | 9.60    | 7.91 | 10.9              | 3.73            | 101.2 |
| 1245     | 2/17/2011 11:46 | 9.09   | 46.65  | 30.07        | 9.57    | 7.90 | 10.3              | 3.63            | 100.7 |
| 1246     | 2/17/2011 12:01 | 9.07   | 46.32  | 29.84        | 9.56    | 7.89 | 9.3               | 3.54            | 100.4 |
| 1247     | 2/17/2011 12:16 | 9.05   | 46.33  | 29.84        | 9.52    | 7.88 | 8.8               | 3.42            | 100.0 |
| 1248     | 2/17/2011 12:31 | 8.96   | 46.17  | 29.72        | 9.48    | 7.88 | 9.4               | 3.28            | 99.2  |
| 1249     | 2/17/2011 12:46 | 8.97   | 45.90  | 29.53        | 9.48    | 7.87 | 10.7              | 3.17            | 99.1  |
| 1250     | 2/17/2011 13:01 | 8.96   | 45.71  | 29.39        | 9.47    | 7.87 | 7.4               | 3.05            | 98.9  |
| 1251     | 2/17/2011 13:16 | 8.94   | 45.55  | 29.28        | 9.40    | 7.86 | 7.8               | 2.92            | 98.1  |
| 1252     | 2/17/2011 13:31 | 8.93   | 45.45  | 29.21        | 9.39    | 7.86 | 8.5               | 2.78            | 97.9  |
| 1253     | 2/17/2011 13:46 | 8.95   | 45.64  | 29.34        | 9.41    | 7.86 | 8.1               | 2.64            | 98.3  |
| 1254     | 2/17/2011 14:01 | 8.95   | 45.42  | 29.18        | 9.47    | 7.87 | 8.9               | 2.51            | 98.8  |
| 1255     | 2/17/2011 14:16 | 9.04   | 45.83  | 29.48        | 9.51    | 7.88 | 6.9               | 2.35            | 99.5  |
| 1256     | 2/17/2011 14:31 | 9.00   | 45.55  | 29.28        | 9.41    | 7.87 | 8.4               | 2.21            | 98.3  |
| 1257     | 2/17/2011 14:46 | 8.96   | 45.32  | 29.11        | 9.50    | 7.87 | 7.8               | 2.07            | 99.1  |
| 1258     | 2/17/2011 15:01 | 8.88   | 44.85  | 28.78        | 9.52    | 7.87 | 8.5               | 1.92            | 98.9  |
| 1259     | 2/17/2011 15:16 | 8.86   | 45.08  | 28.94        | 9.46    | 7.87 | 9.6               | 1.78            | 98.3  |
| 1260     | 2/17/2011 15:31 | 8.88   | 45.23  | 29.05        | 9.62    | 7.87 | 9.2               | 1.63            | 100.1 |
| 1261     | 2/17/2011 15:46 | 8.89   | 45.06  | 28.92        | 9.66    | 7.88 | 10.9              | 1.47            | 100.5 |
| 1262     | 2/17/2011 16:01 | 8.87   | 44.96  | 28.86        | 9.51    | 7.87 | 9.9               | 1.32            | 98.8  |
| 1263     | 2/17/2011 16:16 | 8.83   | 44.98  | 28.87        | 9.39    | 7.86 | 10.8              | 1.20            | 97.4  |
| 1264     | 2/17/2011 16:31 | 8.80   | 44.77  | 28.72        | 9.40    | 7.86 | 10.0              | 1.07            | 97.5  |
| 1265     | 2/17/2011 16:46 | 8.73   | 44.35  | 28.41        | 9.43    | 7.87 | 11.1              | 0.97            | 97.4  |
| 1266     | 2/17/2011 17:01 | 8.61   | 44.06  | 28.20        | 9.51    | 7.87 | 7.8               | 0.92            | 97.8  |
| 1267     | 2/17/2011 17:16 | 8.59   | 43.95  | 28.12        | 9.55    | 7.88 | 6.8               | 0.90            | 98.1  |
| 1268     | 2/17/2011 17:31 | 8.61   | 44.17  | 28.28        | 9.51    | 7.87 | 6.7               | 0.93            | 97.8  |
| 1269     | 2/17/2011 17:46 | 8.58   | 44.06  | 28.20        | 9.55    | 7.88 | 5.6               | 0.99            | 98.1  |
| 1270     | 2/17/2011 18:01 | 8.59   | 44.13  | 28.25        | 9.56    | 7.88 | 6.3               | 1.07            | 98.3  |
| 1271     | 2/17/2011 18:16 | 8.59   | 43.70  | 27.94        | 9.53    | 7.87 | 7.0               | 1.19            | 97.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1272     | 2/17/2011 18:31 | 8.58   | 42.60  | 27.17        | 9.54    | 7.86 | 8.8               | 1.28            | 97.4  |
| 1273     | 2/17/2011 18:46 | 8.61   | 42.77  | 27.29        | 9.49    | 7.85 | 8.8               | 1.41            | 97.0  |
| 1274     | 2/17/2011 19:01 | 8.64   | 42.51  | 27.11        | 9.48    | 7.84 | 8.9               | 1.49            | 96.9  |
| 1275     | 2/17/2011 19:16 | 8.62   | 42.53  | 27.12        | 9.47    | 7.84 | 8.3               | 1.61            | 96.8  |
| 1276     | 2/17/2011 19:31 | 8.64   | 42.72  | 27.25        | 9.44    | 7.84 | 7.3               | 1.72            | 96.5  |
| 1277     | 2/17/2011 19:46 | 8.65   | 42.80  | 27.31        | 9.42    | 7.84 | 7.4               | 1.82            | 96.4  |
| 1278     | 2/17/2011 20:01 | 8.68   | 43.40  | 27.73        | 9.37    | 7.84 | 7.9               | 1.95            | 96.3  |
| 1279     | 2/17/2011 20:16 | 8.72   | 43.99  | 28.15        | 9.37    | 7.85 | 7.8               | 2.06            | 96.5  |
| 1280     | 2/17/2011 20:31 | 8.71   | 44.04  | 28.19        | 9.39    | 7.85 | 8.8               | 2.18            | 96.8  |
| 1281     | 2/17/2011 20:46 | 8.68   | 43.81  | 28.03        | 9.43    | 7.85 | 10.3              | 2.30            | 97.0  |
| 1282     | 2/17/2011 21:01 | 8.69   | 44.10  | 28.23        | 9.42    | 7.85 | 12.6              | 2.41            | 97.1  |
| 1283     | 2/17/2011 21:16 | 8.71   | 43.95  | 28.13        | 9.44    | 7.85 | 16.1              | 2.52            | 97.3  |
| 1284     | 2/17/2011 21:31 | 8.76   | 44.24  | 28.33        | 9.45    | 7.86 | 20.0              | 2.63            | 97.6  |
| 1285     | 2/17/2011 21:46 | 8.79   | 44.67  | 28.64        | 9.47    | 7.86 | 18.1              | 2.74            | 98.0  |
| 1286     | 2/17/2011 22:01 | 8.84   | 45.25  | 29.05        | 9.51    | 7.87 | 22.8              | 2.85            | 98.9  |
| 1287     | 2/17/2011 22:16 | 8.91   | 45.84  | 29.48        | 9.58    | 7.88 | 22.0              | 2.94            | 100.0 |
| 1288     | 2/17/2011 22:31 | 8.97   | 46.14  | 29.70        | 9.57    | 7.89 | 23.6              | 3.04            | 100.2 |
| 1289     | 2/17/2011 22:46 | 9.00   | 46.36  | 29.86        | 9.57    | 7.89 | 23.5              | 3.13            | 100.3 |
| 1290     | 2/17/2011 23:01 | 9.04   | 46.42  | 29.91        | 9.59    | 7.90 | 19.0              | 3.22            | 100.7 |
| 1291     | 2/17/2011 23:16 | 9.13   | 47.12  | 30.41        | 9.61    | 7.91 | 18.3              | 3.30            | 101.4 |
| 1292     | 2/17/2011 23:31 | 9.18   | 47.10  | 30.40        | 9.60    | 7.91 | 15.0              | 3.37            | 101.4 |
| 1293     | 2/17/2011 23:46 | 9.20   | 47.06  | 30.37        | 9.61    | 7.92 | 12.9              | 3.40            | 101.6 |
| 1294     | 2/18/2011 0:01  | 9.21   | 47.08  | 30.39        | 9.53    | 7.92 | 8.5               | 3.43            | 100.7 |
| 1295     | 2/18/2011 0:16  | 9.16   | 47.03  | 30.35        | 9.51    | 7.91 | 10.3              | 3.44            | 100.4 |
| 1296     | 2/18/2011 0:31  | 9.12   | 47.09  | 30.39        | 9.51    | 7.90 | 10.1              | 3.40            | 100.3 |
| 1297     | 2/18/2011 0:46  | 8.99   | 46.42  | 29.90        | 9.54    | 7.90 | 10.4              | 3.35            | 100.0 |
| 1298     | 2/18/2011 1:01  | 8.77   | 45.70  | 29.37        | 9.46    | 7.87 | 10.3              | 3.28            | 98.4  |
| 1299     | 2/18/2011 1:16  | 8.72   | 45.57  | 29.28        | 9.47    | 7.87 | 11.2              | 3.18            | 98.3  |
| 1300     | 2/18/2011 1:31  | 8.69   | 44.97  | 28.85        | 9.46    | 7.87 | 18.1              | 3.08            | 97.9  |
| 1301     | 2/18/2011 1:46  | 8.54   | 44.51  | 28.51        | 9.42    | 7.85 | 13.6              | 2.96            | 96.9  |
| 1302     | 2/18/2011 2:01  | 8.51   | 44.47  | 28.48        | 9.44    | 7.85 | 12.5              | 2.85            | 97.0  |
| 1303     | 2/18/2011 2:16  | 8.53   | 44.53  | 28.53        | 9.41    | 7.86 | 9.6               | 2.75            | 96.8  |
| 1304     | 2/18/2011 2:31  | 8.52   | 44.54  | 28.53        | 9.41    | 7.86 | 8.4               | 2.64            | 96.8  |
| 1305     | 2/18/2011 2:46  | 8.53   | 44.59  | 28.57        | 9.40    | 7.85 | 8.9               | 2.53            | 96.7  |
| 1306     | 2/18/2011 3:01  | 8.49   | 43.97  | 28.13        | 9.35    | 7.84 | 9.8               | 2.43            | 95.9  |
| 1307     | 2/18/2011 3:16  | 8.49   | 44.16  | 28.26        | 9.39    | 7.85 | 8.5               | 2.32            | 96.3  |
| 1308     | 2/18/2011 3:31  | 8.43   | 43.97  | 28.12        | 9.37    | 7.84 | 7.4               | 2.24            | 95.9  |
| 1309     | 2/18/2011 3:46  | 8.37   | 43.57  | 27.83        | 9.34    | 7.84 | 8.1               | 2.14            | 95.4  |
| 1310     | 2/18/2011 4:01  | 8.30   | 43.99  | 28.13        | 9.31    | 7.84 | 7.3               | 2.04            | 95.0  |
| 1311     | 2/18/2011 4:16  | 8.28   | 43.73  | 27.94        | 9.27    | 7.83 | 7.4               | 1.95            | 94.5  |
| 1312     | 2/18/2011 4:31  | 8.21   | 43.68  | 27.90        | 9.28    | 7.83 | 6.7               | 1.88            | 94.4  |
| 1313     | 2/18/2011 4:46  | 8.18   | 43.55  | 27.81        | 9.28    | 7.83 | 6.1               | 1.82            | 94.3  |
| 1314     | 2/18/2011 5:01  | 8.19   | 43.12  | 27.51        | 9.27    | 7.83 | 6.1               | 1.75            | 94.0  |
| 1315     | 2/18/2011 5:16  | 8.17   | 43.54  | 27.80        | 9.21    | 7.83 | 5.2               | 1.74            | 93.5  |
| 1316     | 2/18/2011 5:31  | 8.18   | 43.19  | 27.55        | 9.24    | 7.83 | 5.2               | 1.74            | 93.7  |
| 1317     | 2/18/2011 5:46  | 8.22   | 43.37  | 27.69        | 9.19    | 7.83 | 4.6               | 1.74            | 93.3  |
| 1318     | 2/18/2011 6:01  | 8.26   | 43.05  | 27.46        | 9.25    | 7.83 | 5.8               | 1.80            | 93.9  |
| 1319     | 2/18/2011 6:16  | 8.27   | 43.33  | 27.66        | 9.25    | 7.82 | 5.9               | 1.87            | 94.0  |
| 1320     | 2/18/2011 6:31  | 8.23   | 41.73  | 26.53        | 9.32    | 7.81 | 6.7               | 1.97            | 94.0  |
| 1321     | 2/18/2011 6:46  | 8.28   | 42.41  | 27.02        | 9.29    | 7.82 | 7.5               | 2.06            | 94.2  |
| 1322     | 2/18/2011 7:01  | 8.34   | 42.83  | 27.31        | 9.28    | 7.82 | 7.9               | 2.16            | 94.3  |
| 1323     | 2/18/2011 7:16  | 8.39   | 42.85  | 27.33        | 9.30    | 7.83 | 8.8               | 2.27            | 94.6  |
| 1324     | 2/18/2011 7:31  | 8.45   | 43.34  | 27.68        | 9.32    | 7.83 | 8.5               | 2.37            | 95.1  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%    |
|----------|-----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|--------|
| 1325     | 2/18/2011 7:46  | 8.51   | 43.72           | 27.95        | 9.35            | 7.84 | 8.9               | 2.47            | 95.8   |
| 1326     | 2/18/2011 8:01  | 8.54   | 44.20           | 28.29        | 9.37            | 7.85 | 9.3               | 2.56            | 96.2   |
| 1327     | 2/18/2011 8:16  | 8.52   | 44.37           | 28.41        | 9.39            | 7.85 | 9.7               | 2.67            | 96.5   |
| 1328     | 2/18/2011 8:31  | 8.55   | 44.41           | 28.44        | 9.41            | 7.85 | 10.6              | 2.77            | 96.8   |
| 1329     | 2/18/2011 8:46  | 8.59   | 44.53           | 28.53        | 9.40            | 7.85 | 11.7              | 2.87            | 96.9   |
| 1330     | 2/18/2011 9:01  | 8.67   | 44.91           | 28.81        | 9.45            | 7.87 | 17.2              | 2.99            | 97.7   |
| 1331     | 2/18/2011 9:16  | 8.72   | 45.24           | 29.04        | 9.49            | 7.88 | 16.4              | 3.09            | 98.4   |
| 1332     | 2/18/2011 9:31  | 8.80   | 45.41           | 29.17        | 9.51            | 7.88 | 15.0              | 3.20            | 98.8   |
| 1333     | 2/18/2011 9:46  | 8.90   | 45.96           | 29.57        | 9.52            | 7.89 | 20.5              | 3.31            | 99.4   |
| 1334     | 2/18/2011 10:01 | 8.99   | 46.70           | 30.10        | 9.53            | 7.90 | 18.9              | 3.42            | 100.1  |
| 1335     | 2/18/2011 10:16 | 9.03   | 46.78           | 30.16        | 9.57            | 7.91 | 17.2              | 3.52            | 100.6  |
| 1336     | 2/18/2011 10:31 | 9.04   | 46.89           | 30.24        | 9.56            | 7.91 | 15.9              | 3.60            | 100.7  |
| 1337     | 2/18/2011 10:46 | 9.08   | 47.14           | 30.42        | 9.54            | 7.92 | 13.2              | 3.69            | 100.5  |
| 1338     | 2/18/2011 11:01 | 9.14   | 46.64           | 30.07        | 9.50            | 7.92 | 10.1              | 3.76            | 100.1  |
| 1339     | 2/18/2011 11:16 | 9.18   | 46.87           | 30.23        | 9.45            | 7.92 | 15.4              | 3.81            | 99.8   |
|          | Mean            | 9.68   | 47.70           | 30.87        | 9.22            | 7.90 | 6.7               | 2.4             | 98.78  |
|          | Minimum         | 8.17   | 41.73           | 26.53        | 8.34            | 7.81 | 1.2               | 0.9             | 89.00  |
|          | Maximum         | 11.12  | 49.99           | 32.48        | 10.52           | 8.11 | 61.1              | 3.8             | 115.40 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 0        | 2/18/2011 11:46 | 9.18   | 46.74  | 30.14        | 9.47    | 8.05 | 8.7        | 4.09   | 99.9  |
| 1        | 2/18/2011 12:01 | 9.17   | 46.86  | 30.23        | 9.46    | 8.09 | 11.0       | 4.07   | 99.8  |
| 2        | 2/18/2011 12:16 | 9.22   | 46.77  | 30.16        | 9.41    | 8.08 | 11.1       | 4.00   | 99.4  |
| 3        | 2/18/2011 12:31 | 9.37   | 46.48  | 29.97        | 9.56    | 8.07 | 7.8        | 3.93   | 101.2 |
| 4        | 2/18/2011 12:46 | 9.36   | 46.51  | 29.99        | 9.55    | 8.07 | 8.0        | 3.82   | 101.0 |
| 5        | 2/18/2011 13:01 | 9.39   | 46.15  | 29.74        | 9.53    | 8.06 | 8.3        | 3.70   | 100.7 |
| 6        | 2/18/2011 13:16 | 9.35   | 45.79  | 29.47        | 9.52    | 8.05 | 6.7        | 3.56   | 100.3 |
| 7        | 2/18/2011 13:31 | 9.36   | 45.90  | 29.55        | 9.52    | 8.05 | 5.9        | 3.44   | 100.5 |
| 8        | 2/18/2011 13:46 | 9.41   | 45.40  | 29.20        | 9.50    | 8.05 | 6.2        | 3.31   | 100.1 |
| 9        | 2/18/2011 14:01 | 9.54   | 44.59  | 28.63        | 9.45    | 8.02 | 7.3        | 3.18   | 99.5  |
| 10       | 2/18/2011 14:16 | 9.47   | 44.53  | 28.59        | 9.43    | 8.02 | 8.8        | 3.03   | 99.1  |
| 11       | 2/18/2011 14:31 | 9.54   | 44.75  | 28.75        | 9.61    | 8.04 | 6.4        | 2.88   | 101.3 |
| 12       | 2/18/2011 14:46 | 9.46   | 44.82  | 28.80        | 9.56    | 8.03 | 7.1        | 2.73   | 100.6 |
| 13       | 2/18/2011 15:01 | 9.35   | 44.65  | 28.67        | 9.61    | 8.03 | 6.7        | 2.59   | 100.7 |
| 14       | 2/18/2011 15:16 | 9.27   | 44.35  | 28.45        | 9.59    | 8.03 | 8.4        | 2.45   | 100.3 |
| 15       | 2/18/2011 15:31 | 9.16   | 44.09  | 28.25        | 9.70    | 8.03 | 7.6        | 2.29   | 101.0 |
| 16       | 2/18/2011 15:46 | 9.26   | 44.22  | 28.35        | 9.70    | 8.02 | 8.6        | 2.13   | 101.3 |
| 17       | 2/18/2011 16:01 | 9.27   | 44.08  | 28.26        | 9.82    | 8.04 | 7.9        | 1.98   | 102.5 |
| 18       | 2/18/2011 16:16 | 9.42   | 44.27  | 28.40        | 10.13   | 8.08 | 8.0        | 1.83   | 106.2 |
| 19       | 2/18/2011 16:31 | 9.26   | 44.06  | 28.24        | 9.70    | 8.05 | 8.4        | 1.68   | 101.2 |
| 20       | 2/18/2011 16:46 | 9.29   | 44.11  | 28.28        | 9.64    | 8.05 | 8.4        | 1.54   | 100.8 |
| 21       | 2/18/2011 17:01 | 9.21   | 44.01  | 28.20        | 9.59    | 8.02 | 7.1        | 1.41   | 99.9  |
| 22       | 2/18/2011 17:16 | 9.17   | 43.89  | 28.12        | 9.58    | 8.01 | 7.8        | 1.28   | 99.8  |
| 23       | 2/18/2011 17:31 | 9.16   | 43.88  | 28.10        | 9.52    | 8.04 | 5.2        | 1.22   | 99.1  |
| 24       | 2/18/2011 17:46 | 9.13   | 43.82  | 28.06        | 9.58    | 8.04 | 5.7        | 1.18   | 99.6  |
| 25       | 2/18/2011 18:01 | 9.12   | 43.73  | 28.00        | 9.64    | 8.04 | 5.6        | 1.17   | 100.1 |
| 26       | 2/18/2011 18:16 | 9.09   | 43.61  | 27.91        | 9.70    | 8.05 | 4.6        | 1.23   | 100.7 |
| 27       | 2/18/2011 18:31 | 9.09   | 43.60  | 27.91        | 9.71    | 8.02 | 4.8        | 1.31   | 100.8 |
| 28       | 2/18/2011 18:46 | 9.06   | 42.59  | 27.19        | 9.91    | 8.04 | 5.5        | 1.41   | 102.3 |
| 29       | 2/18/2011 19:01 | 9.07   | 41.70  | 26.56        | 9.84    | 8.01 | 6.7        | 1.50   | 101.1 |
| 30       | 2/18/2011 19:16 | 9.10   | 42.08  | 26.83        | 9.79    | 8.00 | 7.0        | 1.61   | 100.9 |
| 31       | 2/18/2011 19:31 | 9.10   | 41.78  | 26.62        | 9.74    | 8.02 | 7.4        | 1.73   | 100.2 |
| 32       | 2/18/2011 19:46 | 9.11   | 41.93  | 26.73        | 9.72    | 8.02 | 6.8        | 1.83   | 100.1 |
| 33       | 2/18/2011 20:01 | 9.13   | 42.43  | 27.08        | 9.68    | 7.99 | 6.5        | 1.94   | 100.0 |
| 34       | 2/18/2011 20:16 | 9.13   | 42.83  | 27.36        | 9.60    | 8.00 | 7.4        | 2.05   | 99.4  |
| 35       | 2/18/2011 20:31 | 9.12   | 43.13  | 27.58        | 9.52    | 8.00 | 7.7        | 2.16   | 98.7  |
| 36       | 2/18/2011 20:46 | 9.08   | 42.71  | 27.27        | 9.58    | 8.03 | 7.7        | 2.30   | 99.0  |
| 37       | 2/18/2011 21:01 | 9.10   | 43.62  | 27.92        | 9.55    | 8.00 | 7.9        | 2.40   | 99.1  |
| 38       | 2/18/2011 21:16 | 9.09   | 43.65  | 27.94        | 9.54    | 8.02 | 8.7        | 2.52   | 99.0  |
| 39       | 2/18/2011 21:31 | 9.08   | 43.70  | 27.98        | 9.52    | 8.02 | 10.5       | 2.65   | 98.8  |
| 40       | 2/18/2011 21:46 | 9.12   | 44.11  | 28.27        | 9.48    | 8.02 | 13.9       | 2.75   | 98.7  |
| 41       | 2/18/2011 22:01 | 9.16   | 44.35  | 28.44        | 9.46    | 8.03 | 16.2       | 2.87   | 98.7  |
| 42       | 2/18/2011 22:16 | 9.21   | 44.67  | 28.67        | 9.45    | 8.03 | 20.5       | 2.98   | 98.8  |
| 43       | 2/18/2011 22:31 | 9.26   | 45.46  | 29.23        | 9.48    | 8.05 | 20.2       | 3.10   | 99.6  |
| 44       | 2/18/2011 22:46 | 9.27   | 45.79  | 29.47        | 9.48    | 8.06 | 24.4       | 3.21   | 99.7  |
| 45       | 2/18/2011 23:01 | 9.29   | 46.05  | 29.66        | 9.44    | 8.03 | 21.2       | 3.32   | 99.5  |
| 46       | 2/18/2011 23:16 | 9.33   | 46.64  | 30.08        | 9.34    | 8.07 | 19.8       | 3.43   | 98.8  |
| 47       | 2/18/2011 23:31 | 9.36   | 46.95  | 30.30        | 9.29    | 8.07 | 18.7       | 3.54   | 98.5  |
| 48       | 2/18/2011 23:46 | 9.38   | 47.23  | 30.51        | 9.24    | 8.06 | 13.1       | 3.63   | 98.2  |
| 49       | 2/19/2011 0:01  | 9.37   | 47.36  | 30.60        | 9.19    | 8.06 | 10.1       | 3.71   | 97.6  |
| 50       | 2/19/2011 0:16  | 9.38   | 47.47  | 30.68        | 9.16    | 8.08 | 9.1        | 3.78   | 97.4  |
| 51       | 2/19/2011 0:31  | 9.37   | 47.49  | 30.69        | 9.11    | 8.08 | 6.8        | 3.81   | 96.8  |
| 52       | 2/19/2011 0:46  | 9.30   | 47.24  | 30.51        | 9.16    | 8.26 | 6.5        | 3.83   | 97.1  |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 53       | 2/19/2011 1:01  | 9.35   | 47.26  | 30.52        | 9.11    | 8.04 | 6.6               | 3.82            | 96.7  |
| 54       | 2/19/2011 1:16  | 9.38   | 47.49  | 30.69        | 9.15    | 8.08 | 9.2               | 3.77            | 97.3  |
| 55       | 2/19/2011 1:31  | 9.12   | 46.37  | 29.87        | 9.34    | 8.06 | 11.7              | 3.71            | 98.2  |
| 56       | 2/19/2011 1:46  | 9.08   | 46.11  | 29.68        | 9.34    | 8.07 | 6.7               | 3.61            | 98.0  |
| 57       | 2/19/2011 2:01  | 8.94   | 45.41  | 29.18        | 9.39    | 8.05 | 8.4               | 3.50            | 97.9  |
| 58       | 2/19/2011 2:16  | 8.88   | 44.97  | 28.86        | 9.41    | 8.02 | 7.3               | 3.38            | 97.8  |
| 59       | 2/19/2011 2:31  | 8.92   | 44.91  | 28.82        | 9.39    | 8.01 | 7.8               | 3.27            | 97.6  |
| 60       | 2/19/2011 2:46  | 8.79   | 43.91  | 28.11        | 9.45    | 8.05 | 10.9              | 3.15            | 97.5  |
| 61       | 2/19/2011 3:01  | 8.80   | 43.92  | 28.11        | 9.44    | 8.02 | 9.5               | 3.03            | 97.5  |
| 62       | 2/19/2011 3:16  | 8.78   | 44.00  | 28.17        | 9.42    | 8.02 | 7.6               | 2.91            | 97.3  |
| 63       | 2/19/2011 3:31  | 8.77   | 44.13  | 28.26        | 9.43    | 8.03 | 6.4               | 2.79            | 97.3  |
| 64       | 2/19/2011 3:46  | 8.81   | 44.44  | 28.48        | 9.41    | 8.02 | 8.1               | 2.66            | 97.4  |
| 65       | 2/19/2011 4:01  | 8.78   | 43.88  | 28.08        | 9.43    | 8.01 | 8.6               | 2.56            | 97.3  |
| 66       | 2/19/2011 4:16  | 8.73   | 43.90  | 28.09        | 9.43    | 8.01 | 6.5               | 2.44            | 97.1  |
| 67       | 2/19/2011 4:31  | 8.67   | 43.53  | 27.83        | 9.42    | 8.00 | 7.1               | 2.33            | 96.7  |
| 68       | 2/19/2011 4:46  | 8.64   | 43.46  | 27.78        | 9.39    | 7.99 | 7.0               | 2.23            | 96.4  |
| 69       | 2/19/2011 5:01  | 8.61   | 43.53  | 27.82        | 9.37    | 8.01 | 7.3               | 2.13            | 96.1  |
| 70       | 2/19/2011 5:16  | 8.60   | 43.22  | 27.60        | 9.39    | 8.00 | 7.0               | 2.03            | 96.1  |
| 71       | 2/19/2011 5:31  | 8.52   | 43.42  | 27.74        | 9.38    | 8.01 | 5.7               | 1.93            | 96.0  |
| 72       | 2/19/2011 5:46  | 8.50   | 43.31  | 27.66        | 9.41    | 8.00 | 5.7               | 1.87            | 96.2  |
| 73       | 2/19/2011 6:01  | 8.50   | 43.24  | 27.61        | 9.39    | 8.00 | 4.5               | 1.86            | 96.0  |
| 74       | 2/19/2011 6:16  | 8.50   | 43.16  | 27.56        | 9.40    | 7.98 | 4.2               | 1.80            | 96.0  |
| 75       | 2/19/2011 6:31  | 8.49   | 43.19  | 27.58        | 9.31    | 8.01 | 3.9               | 1.80            | 95.1  |
| 76       | 2/19/2011 6:46  | 8.49   | 43.16  | 27.56        | 9.42    | 8.01 | 3.5               | 1.83            | 96.2  |
| 77       | 2/19/2011 7:01  | 8.53   | 43.11  | 27.52        | 9.43    | 8.00 | 3.9               | 1.87            | 96.4  |
| 78       | 2/19/2011 7:16  | 8.49   | 42.65  | 27.20        | 9.46    | 8.00 | 4.3               | 1.97            | 96.4  |
| 79       | 2/19/2011 7:31  | 8.57   | 42.67  | 27.21        | 9.41    | 7.99 | 4.6               | 2.06            | 96.1  |
| 80       | 2/19/2011 7:46  | 8.61   | 42.60  | 27.17        | 9.39    | 7.99 | 5.8               | 2.17            | 95.9  |
| 81       | 2/19/2011 8:01  | 8.63   | 42.55  | 27.14        | 9.39    | 7.99 | 6.3               | 2.32            | 95.9  |
| 82       | 2/19/2011 8:16  | 8.70   | 43.07  | 27.51        | 9.35    | 7.99 | 7.3               | 2.41            | 95.9  |
| 83       | 2/19/2011 8:31  | 8.79   | 43.73  | 27.98        | 9.33    | 8.00 | 7.4               | 2.50            | 96.2  |
| 84       | 2/19/2011 8:46  | 8.90   | 44.45  | 28.49        | 9.39    | 8.00 | 8.1               | 2.61            | 97.4  |
| 85       | 2/19/2011 9:01  | 8.88   | 44.55  | 28.56        | 9.40    | 7.99 | 7.2               | 2.73            | 97.5  |
| 86       | 2/19/2011 9:16  | 8.89   | 44.65  | 28.63        | 9.38    | 8.02 | 8.6               | 2.84            | 97.4  |
| 87       | 2/19/2011 9:31  | 8.90   | 44.61  | 28.61        | 9.38    | 8.02 | 9.6               | 2.93            | 97.3  |
| 88       | 2/19/2011 9:46  | 8.95   | 44.85  | 28.78        | 9.37    | 8.03 | 10.8              | 3.07            | 97.5  |
| 89       | 2/19/2011 10:01 | 8.99   | 45.13  | 28.98        | 9.36    | 8.01 | 13.1              | 3.16            | 97.6  |
| 90       | 2/19/2011 10:16 | 9.04   | 45.48  | 29.24        | 9.36    | 8.01 | 12.5              | 3.27            | 97.9  |
| 91       | 2/19/2011 10:31 | 9.13   | 46.02  | 29.63        | 9.47    | 8.02 | 12.6              | 3.38            | 99.5  |
| 92       | 2/19/2011 10:46 | 9.19   | 46.55  | 30.01        | 9.56    | 8.03 | 13.4              | 3.49            | 100.8 |
| 93       | 2/19/2011 11:01 | 9.25   | 47.14  | 30.43        | 9.64    | 8.04 | 13.9              | 3.60            | 102.0 |
| 94       | 2/19/2011 11:16 | 9.31   | 47.69  | 30.83        | 9.62    | 8.04 | 13.6              | 3.70            | 102.3 |
| 95       | 2/19/2011 11:31 | 9.34   | 48.00  | 31.05        | 9.60    | 8.04 | 12.8              | 3.79            | 102.2 |
| 96       | 2/19/2011 11:46 | 9.37   | 48.23  | 31.23        | 9.52    | 8.03 | 10.7              | 3.86            | 101.6 |
| 97       | 2/19/2011 12:01 | 9.38   | 48.33  | 31.29        | 9.47    | 8.04 | 9.8               | 3.90            | 101.1 |
| 98       | 2/19/2011 12:16 | 9.40   | 48.36  | 31.32        | 9.45    | 8.04 | 7.6               | 3.96            | 100.9 |
| 99       | 2/19/2011 12:31 | 9.41   | 48.40  | 31.35        | 9.40    | 8.04 | 4.8               | 3.99            | 100.4 |
| 100      | 2/19/2011 12:46 | 9.38   | 48.21  | 31.21        | 9.45    | 8.03 | 8.1               | 3.94            | 100.8 |
| 101      | 2/19/2011 13:01 | 9.41   | 48.39  | 31.34        | 9.50    | 8.04 | 9.6               | 3.90            | 101.5 |
| 102      | 2/19/2011 13:16 | 9.40   | 48.28  | 31.26        | 9.51    | 8.04 | 9.9               | 3.86            | 101.6 |
| 103      | 2/19/2011 13:31 | 9.38   | 47.70  | 30.84        | 9.60    | 8.04 | 9.4               | 3.75            | 102.2 |
| 104      | 2/19/2011 13:46 | 9.38   | 46.81  | 30.21        | 9.64    | 8.04 | 6.4               | 3.64            | 102.2 |
| 105      | 2/19/2011 14:01 | 9.37   | 46.58  | 30.04        | 9.66    | 8.04 | 5.1               | 3.55            | 102.3 |



sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 106      | 2/19/2011 14:16 | 9.37   | 46.34  | 29.87        | 9.69    | 8.04 | 5.3        | 3.40   | 102.5 |
| 107      | 2/19/2011 14:31 | 9.40   | 45.49  | 29.27        | 9.65    | 8.03 | 6.2        | 3.30   | 101.7 |
| 108      | 2/19/2011 14:46 | 9.44   | 45.60  | 29.34        | 9.73    | 8.03 | 4.7        | 3.18   | 102.6 |
| 109      | 2/19/2011 15:01 | 9.45   | 45.62  | 29.36        | 9.74    | 8.03 | 4.8        | 3.03   | 102.9 |
| 110      | 2/19/2011 15:16 | 9.50   | 45.53  | 29.30        | 9.77    | 8.04 | 4.2        | 2.89   | 103.2 |
| 111      | 2/19/2011 15:31 | 9.48   | 45.45  | 29.24        | 9.61    | 8.05 | 6.6        | 2.77   | 101.4 |
| 112      | 2/19/2011 15:46 | 9.47   | 45.58  | 29.33        | 9.73    | 8.06 | 4.7        | 2.61   | 102.7 |
| 113      | 2/19/2011 16:01 | 9.32   | 44.65  | 28.66        | 9.70    | 8.02 | 5.5        | 2.48   | 101.6 |
| 114      | 2/19/2011 16:16 | 9.31   | 44.44  | 28.51        | 9.78    | 8.03 | 5.1        | 2.34   | 102.4 |
| 115      | 2/19/2011 16:31 | 9.28   | 44.24  | 28.37        | 9.94    | 8.04 | 4.6        | 2.20   | 103.9 |
| 116      | 2/19/2011 16:46 | 9.22   | 43.95  | 28.16        | 10.01   | 8.04 | 5.5        | 2.04   | 104.4 |
| 117      | 2/19/2011 17:01 | 9.13   | 43.65  | 27.94        | 9.91    | 8.03 | 6.1        | 1.93   | 103.0 |
| 118      | 2/19/2011 17:16 | 9.11   | 43.75  | 28.01        | 9.98    | 8.05 | 6.5        | 1.78   | 103.7 |
| 119      | 2/19/2011 17:31 | 9.05   | 43.52  | 27.85        | 9.90    | 8.03 | 7.4        | 1.62   | 102.6 |
| 120      | 2/19/2011 17:46 | 9.01   | 43.26  | 27.66        | 9.87    | 8.02 | 7.0        | 1.52   | 102.1 |
| 121      | 2/19/2011 18:01 | 8.99   | 43.05  | 27.51        | 9.88    | 8.01 | 5.4        | 1.43   | 102.0 |
| 122      | 2/19/2011 18:16 | 8.96   | 42.97  | 27.45        | 9.86    | 8.03 | 5.4        | 1.35   | 101.7 |
| 123      | 2/19/2011 18:31 | 8.95   | 42.83  | 27.36        | 9.86    | 8.01 | 4.6        | 1.30   | 101.6 |
| 124      | 2/19/2011 18:46 | 8.95   | 42.96  | 27.45        | 9.80    | 8.02 | 4.9        | 1.33   | 101.0 |
| 125      | 2/19/2011 19:01 | 8.95   | 42.93  | 27.42        | 9.84    | 8.02 | 3.6        | 1.35   | 101.5 |
| 126      | 2/19/2011 19:16 | 8.97   | 42.97  | 27.45        | 9.84    | 8.01 | 3.1        | 1.41   | 101.6 |
| 127      | 2/19/2011 19:31 | 8.98   | 42.95  | 27.44        | 9.87    | 8.01 | 2.6        | 1.49   | 101.8 |
| 128      | 2/19/2011 19:46 | 8.96   | 40.64  | 25.82        | 9.98    | 8.00 | 4.3        | 1.59   | 101.9 |
| 129      | 2/19/2011 20:01 | 8.99   | 41.41  | 26.36        | 9.92    | 8.00 | 4.2        | 1.71   | 101.6 |
| 130      | 2/19/2011 20:16 | 9.00   | 41.37  | 26.33        | 9.88    | 7.99 | 4.2        | 1.85   | 101.3 |
| 131      | 2/19/2011 20:31 | 9.01   | 41.56  | 26.46        | 9.86    | 8.00 | 5.1        | 1.98   | 101.2 |
| 132      | 2/19/2011 20:46 | 9.09   | 42.67  | 27.25        | 9.77    | 7.99 | 4.6        | 2.08   | 100.9 |
| 133      | 2/19/2011 21:01 | 9.12   | 42.94  | 27.44        | 9.71    | 8.00 | 4.4        | 2.20   | 100.5 |
| 134      | 2/19/2011 21:16 | 9.15   | 43.45  | 27.80        | 9.65    | 8.00 | 5.4        | 2.34   | 100.2 |
| 135      | 2/19/2011 21:31 | 9.12   | 43.51  | 27.84        | 9.65    | 8.00 | 5.7        | 2.45   | 100.2 |
| 136      | 2/19/2011 21:46 | 9.11   | 43.63  | 27.92        | 9.66    | 8.00 | 5.9        | 2.55   | 100.3 |
| 137      | 2/19/2011 22:01 | 9.15   | 44.06  | 28.23        | 9.61    | 8.00 | 9.8        | 2.68   | 100.1 |
| 138      | 2/19/2011 22:16 | 9.16   | 44.24  | 28.36        | 9.58    | 8.01 | 8.6        | 2.80   | 99.9  |
| 139      | 2/19/2011 22:31 | 9.18   | 44.55  | 28.59        | 9.58    | 8.00 | 11.7       | 2.91   | 100.1 |
| 140      | 2/19/2011 22:46 | 9.21   | 44.89  | 28.82        | 9.59    | 8.01 | 11.2       | 3.03   | 100.3 |
| 141      | 2/19/2011 23:01 | 9.27   | 45.64  | 29.36        | 9.65    | 8.02 | 13.3       | 3.14   | 101.5 |
| 142      | 2/19/2011 23:16 | 9.30   | 46.34  | 29.87        | 9.75    | 8.02 | 14.4       | 3.26   | 102.9 |
| 143      | 2/19/2011 23:31 | 9.33   | 46.97  | 30.32        | 9.75    | 8.03 | 12.7       | 3.37   | 103.3 |
| 144      | 2/19/2011 23:46 | 9.35   | 47.36  | 30.60        | 9.78    | 8.04 | 11.8       | 3.50   | 103.8 |
| 145      | 2/20/2011 0:01  | 9.39   | 47.80  | 30.91        | 9.84    | 8.05 | 11.6       | 3.61   | 104.8 |
| 146      | 2/20/2011 0:16  | 9.41   | 48.11  | 31.14        | 9.87    | 8.05 | 10.1       | 3.72   | 105.4 |
| 147      | 2/20/2011 0:31  | 9.43   | 48.37  | 31.33        | 9.86    | 8.05 | 8.9        | 3.80   | 105.3 |
| 148      | 2/20/2011 0:46  | 9.43   | 48.54  | 31.45        | 9.81    | 8.06 | 7.2        | 3.87   | 105.0 |
| 149      | 2/20/2011 1:01  | 9.43   | 48.68  | 31.55        | 9.74    | 8.06 | 5.6        | 3.92   | 104.2 |
| 150      | 2/20/2011 1:16  | 9.43   | 48.72  | 31.58        | 9.68    | 8.06 | 4.1        | 3.94   | 103.6 |
| 151      | 2/20/2011 1:31  | 9.42   | 48.52  | 31.43        | 9.75    | 8.07 | 6.8        | 3.93   | 104.2 |
| 152      | 2/20/2011 1:46  | 9.44   | 48.69  | 31.56        | 9.76    | 8.06 | 6.3        | 3.90   | 104.5 |
| 153      | 2/20/2011 2:01  | 9.20   | 46.96  | 30.30        | 9.74    | 8.05 | 7.0        | 3.84   | 102.9 |
| 154      | 2/20/2011 2:16  | 9.15   | 46.58  | 30.03        | 9.71    | 8.02 | 4.6        | 3.75   | 102.2 |
| 155      | 2/20/2011 2:31  | 9.15   | 46.55  | 30.00        | 9.72    | 8.03 | 6.0        | 3.63   | 102.3 |
| 156      | 2/20/2011 2:46  | 9.21   | 46.67  | 30.10        | 9.72    | 8.03 | 10.4       | 3.53   | 102.5 |
| 157      | 2/20/2011 3:01  | 9.06   | 45.54  | 29.28        | 9.65    | 8.02 | 8.2        | 3.39   | 100.9 |
| 158      | 2/20/2011 3:16  | 9.02   | 45.19  | 29.02        | 9.60    | 8.01 | 7.4        | 3.27   | 100.2 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 159      | 2/20/2011 3:31  | 8.93   | 44.39  | 28.46        | 9.62    | 8.00 | 9.0               | 3.14            | 99.8  |
| 160      | 2/20/2011 3:46  | 8.96   | 44.66  | 28.65        | 9.60    | 8.00 | 6.7               | 3.02            | 99.8  |
| 161      | 2/20/2011 4:01  | 8.96   | 44.84  | 28.77        | 9.57    | 8.00 | 4.9               | 2.89            | 99.6  |
| 162      | 2/20/2011 4:16  | 8.96   | 44.79  | 28.74        | 9.57    | 8.02 | 4.0               | 2.75            | 99.5  |
| 163      | 2/20/2011 4:31  | 8.89   | 44.13  | 28.27        | 9.57    | 7.99 | 5.6               | 2.62            | 99.1  |
| 164      | 2/20/2011 4:46  | 8.85   | 43.96  | 28.15        | 9.56    | 8.01 | 4.1               | 2.50            | 98.8  |
| 165      | 2/20/2011 5:01  | 8.83   | 43.84  | 28.06        | 9.53    | 8.01 | 5.0               | 2.36            | 98.5  |
| 166      | 2/20/2011 5:16  | 8.84   | 43.73  | 27.98        | 9.53    | 7.99 | 7.9               | 2.24            | 98.4  |
| 167      | 2/20/2011 5:31  | 8.77   | 43.68  | 27.94        | 9.52    | 8.00 | 5.9               | 2.12            | 98.1  |
| 168      | 2/20/2011 5:46  | 8.75   | 43.63  | 27.90        | 9.49    | 8.00 | 5.4               | 1.99            | 97.7  |
| 169      | 2/20/2011 6:01  | 8.70   | 43.50  | 27.81        | 9.47    | 7.97 | 4.6               | 1.86            | 97.3  |
| 170      | 2/20/2011 6:16  | 8.68   | 43.30  | 27.66        | 9.51    | 7.98 | 4.4               | 1.76            | 97.6  |
| 171      | 2/20/2011 6:31  | 8.66   | 43.11  | 27.53        | 9.52    | 8.00 | 2.9               | 1.69            | 97.6  |
| 172      | 2/20/2011 6:46  | 8.62   | 43.04  | 27.48        | 9.50    | 8.00 | 2.7               | 1.63            | 97.3  |
| 173      | 2/20/2011 7:01  | 8.60   | 42.95  | 27.42        | 9.47    | 8.00 | 1.8               | 1.60            | 96.9  |
| 174      | 2/20/2011 7:16  | 8.61   | 43.02  | 27.47        | 9.45    | 8.00 | 1.3               | 1.60            | 96.7  |
| 175      | 2/20/2011 7:31  | 8.63   | 43.00  | 27.45        | 9.52    | 8.00 | 1.3               | 1.63            | 97.4  |
| 176      | 2/20/2011 7:46  | 8.65   | 43.02  | 27.46        | 9.53    | 8.01 | 1.3               | 1.70            | 97.7  |
| 177      | 2/20/2011 8:01  | 8.66   | 43.07  | 27.50        | 9.54    | 8.01 | 1.2               | 1.79            | 97.8  |
| 178      | 2/20/2011 8:16  | 8.66   | 42.63  | 27.19        | 9.53    | 7.99 | 1.6               | 1.87            | 97.5  |
| 179      | 2/20/2011 8:31  | 8.66   | 42.21  | 26.90        | 9.52    | 7.99 | 2.3               | 2.00            | 97.2  |
| 180      | 2/20/2011 8:46  | 8.72   | 42.55  | 27.14        | 9.49    | 7.99 | 2.4               | 2.11            | 97.1  |
| 181      | 2/20/2011 9:01  | 8.75   | 42.73  | 27.27        | 9.48    | 7.97 | 2.6               | 2.22            | 97.2  |
| 182      | 2/20/2011 9:16  | 8.83   | 43.26  | 27.65        | 9.45    | 7.98 | 2.6               | 2.33            | 97.3  |
| 183      | 2/20/2011 9:31  | 8.89   | 43.71  | 27.97        | 9.45    | 7.97 | 2.5               | 2.44            | 97.7  |
| 184      | 2/20/2011 9:46  | 8.94   | 44.06  | 28.22        | 9.49    | 8.01 | 3.1               | 2.55            | 98.4  |
| 185      | 2/20/2011 10:01 | 8.98   | 44.38  | 28.45        | 9.53    | 7.99 | 3.5               | 2.65            | 99.0  |
| 186      | 2/20/2011 10:16 | 9.03   | 44.55  | 28.57        | 9.54    | 7.99 | 3.8               | 2.75            | 99.3  |
| 187      | 2/20/2011 10:31 | 9.04   | 44.65  | 28.65        | 9.53    | 8.00 | 5.0               | 2.85            | 99.3  |
| 188      | 2/20/2011 10:46 | 9.06   | 44.79  | 28.75        | 9.52    | 7.99 | 6.3               | 2.95            | 99.2  |
| 189      | 2/20/2011 11:01 | 9.09   | 44.99  | 28.89        | 9.56    | 8.00 | 9.0               | 3.05            | 99.8  |
| 190      | 2/20/2011 11:16 | 9.14   | 45.36  | 29.16        | 9.60    | 8.01 | 9.6               | 3.15            | 100.5 |
| 191      | 2/20/2011 11:31 | 9.18   | 45.68  | 29.38        | 9.61    | 8.01 | 8.1               | 3.24            | 100.9 |
| 192      | 2/20/2011 11:46 | 9.23   | 46.56  | 30.02        | 9.63    | 8.02 | 10.9              | 3.34            | 101.6 |
| 193      | 2/20/2011 12:01 | 9.30   | 46.99  | 30.33        | 9.62    | 8.04 | 8.5               | 3.44            | 101.9 |
| 194      | 2/20/2011 12:16 | 9.34   | 47.37  | 30.60        | 9.60    | 8.05 | 8.3               | 3.53            | 101.9 |
| 195      | 2/20/2011 12:31 | 9.42   | 47.58  | 30.76        | 9.62    | 8.05 | 6.7               | 3.61            | 102.4 |
| 196      | 2/20/2011 12:46 | 9.41   | 47.79  | 30.91        | 9.61    | 8.03 | 6.0               | 3.69            | 102.4 |
| 197      | 2/20/2011 13:01 | 9.44   | 47.98  | 31.05        | 9.60    | 8.04 | 3.9               | 3.74            | 102.4 |
| 198      | 2/20/2011 13:16 | 9.48   | 48.19  | 31.20        | 9.61    | 8.03 | 2.0               | 3.77            | 102.7 |
| 199      | 2/20/2011 13:31 | 9.45   | 47.82  | 30.94        | 9.62    | 8.03 | 3.5               | 3.78            | 102.6 |
| 200      | 2/20/2011 13:46 | 9.47   | 48.20  | 31.20        | 9.61    | 8.03 | 3.1               | 3.76            | 102.8 |
| 201      | 2/20/2011 14:01 | 9.48   | 48.17  | 31.19        | 9.66    | 8.05 | 4.2               | 3.71            | 103.2 |
| 202      | 2/20/2011 14:16 | 9.70   | 47.02  | 30.38        | 9.83    | 8.04 | 2.4               | 3.63            | 105.0 |
| 203      | 2/20/2011 14:31 | 9.69   | 46.89  | 30.28        | 9.89    | 8.06 | 3.3               | 3.54            | 105.6 |
| 204      | 2/20/2011 14:46 | 9.72   | 46.37  | 29.91        | 9.84    | 8.04 | 2.0               | 3.43            | 104.9 |
| 205      | 2/20/2011 15:01 | 9.66   | 46.29  | 29.85        | 9.88    | 8.03 | 2.0               | 3.31            | 105.1 |
| 206      | 2/20/2011 15:16 | 9.64   | 46.17  | 29.76        | 9.92    | 8.06 | 1.9               | 3.18            | 105.4 |
| 207      | 2/20/2011 15:31 | 9.67   | 45.90  | 29.58        | 9.92    | 8.03 | 1.7               | 3.07            | 105.4 |
| 208      | 2/20/2011 15:46 | 9.70   | 45.82  | 29.52        | 9.93    | 8.06 | 1.3               | 2.95            | 105.6 |
| 209      | 2/20/2011 16:01 | 9.77   | 45.08  | 29.00        | 9.91    | 8.05 | 1.6               | 2.83            | 105.1 |
| 210      | 2/20/2011 16:16 | 9.77   | 44.97  | 28.92        | 9.92    | 8.05 | 1.7               | 2.69            | 105.2 |
| 211      | 2/20/2011 16:31 | 9.75   | 44.84  | 28.83        | 9.93    | 8.03 | 1.4               | 2.56            | 105.2 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 212      | 2/20/2011 16:46 | 9.70   | 44.48  | 28.57        | 10.12   | 8.04 | 1.6               | 2.43            | 106.9 |
| 213      | 2/20/2011 17:01 | 9.67   | 44.37  | 28.48        | 10.19   | 8.07 | 1.4               | 2.30            | 107.5 |
| 214      | 2/20/2011 17:16 | 9.61   | 43.97  | 28.20        | 10.18   | 8.07 | 1.7               | 2.16            | 107.0 |
| 215      | 2/20/2011 17:31 | 9.59   | 43.64  | 27.96        | 10.23   | 8.07 | 1.9               | 2.04            | 107.4 |
| 216      | 2/20/2011 17:46 | 9.60   | 43.69  | 28.00        | 10.30   | 8.06 | 1.6               | 1.90            | 108.2 |
| 217      | 2/20/2011 18:01 | 9.59   | 43.51  | 27.87        | 10.17   | 8.07 | 1.2               | 1.78            | 106.7 |
| 218      | 2/20/2011 18:16 | 9.57   | 43.39  | 27.79        | 10.10   | 8.06 | 2.0               | 1.67            | 105.9 |
| 219      | 2/20/2011 18:31 | 9.57   | 43.18  | 27.63        | 10.12   | 8.06 | 1.3               | 1.59            | 106.0 |
| 220      | 2/20/2011 18:46 | 9.57   | 43.03  | 27.53        | 10.14   | 8.06 | 0.8               | 1.52            | 106.1 |
| 221      | 2/20/2011 19:01 | 9.56   | 42.92  | 27.45        | 10.15   | 8.06 | 0.4               | 1.48            | 106.1 |
| 222      | 2/20/2011 19:16 | 9.52   | 42.83  | 27.39        | 10.13   | 8.06 | 0.0               | 1.48            | 105.8 |
| 223      | 2/20/2011 19:31 | 9.55   | 42.88  | 27.43        | 10.16   | 8.04 | 0.0               | 1.51            | 106.2 |
| 224      | 2/20/2011 19:46 | 9.56   | 42.97  | 27.49        | 10.13   | 8.06 | 0.0               | 1.58            | 105.9 |
| 225      | 2/20/2011 20:01 | 9.58   | 42.99  | 27.50        | 10.13   | 8.05 | 0.5               | 1.65            | 106.1 |
| 226      | 2/20/2011 20:16 | 9.60   | 42.61  | 27.23        | 10.11   | 8.03 | 0.8               | 1.74            | 105.7 |
| 227      | 2/20/2011 20:31 | 9.61   | 42.29  | 27.01        | 10.13   | 8.05 | 1.0               | 1.87            | 105.7 |
| 228      | 2/20/2011 20:46 | 9.61   | 42.52  | 27.18        | 10.10   | 8.04 | 1.0               | 1.96            | 105.5 |
| 229      | 2/20/2011 21:01 | 9.61   | 42.39  | 27.09        | 10.12   | 8.04 | 1.4               | 2.08            | 105.6 |
| 230      | 2/20/2011 21:16 | 9.60   | 42.99  | 27.50        | 10.08   | 8.03 | 1.7               | 2.19            | 105.5 |
| 231      | 2/20/2011 21:31 | 9.57   | 43.26  | 27.69        | 9.97    | 8.02 | 1.3               | 2.30            | 104.4 |
| 232      | 2/20/2011 21:46 | 9.52   | 43.61  | 27.94        | 9.89    | 8.01 | 2.0               | 2.41            | 103.6 |
| 233      | 2/20/2011 22:01 | 9.50   | 43.99  | 28.21        | 9.82    | 8.01 | 2.8               | 2.53            | 103.0 |
| 234      | 2/20/2011 22:16 | 9.48   | 43.99  | 28.21        | 9.86    | 8.01 | 2.9               | 2.64            | 103.4 |
| 235      | 2/20/2011 22:31 | 9.53   | 44.50  | 28.57        | 9.80    | 8.01 | 3.9               | 2.74            | 103.1 |
| 236      | 2/20/2011 22:46 | 9.52   | 44.69  | 28.71        | 9.77    | 8.01 | 5.6               | 2.86            | 102.9 |
| 237      | 2/20/2011 23:01 | 9.52   | 45.06  | 28.97        | 9.76    | 8.01 | 7.8               | 2.97            | 102.9 |
| 238      | 2/20/2011 23:16 | 9.52   | 45.46  | 29.25        | 9.76    | 8.01 | 7.7               | 3.08            | 103.1 |
| 239      | 2/20/2011 23:31 | 9.54   | 46.04  | 29.66        | 9.73    | 8.02 | 7.6               | 3.19            | 103.1 |
| 240      | 2/20/2011 23:46 | 9.53   | 46.98  | 30.33        | 9.67    | 8.02 | 9.5               | 3.31            | 102.9 |
| 241      | 2/21/2011 0:01  | 9.53   | 47.52  | 30.72        | 9.67    | 8.02 | 10.3              | 3.43            | 103.2 |
| 242      | 2/21/2011 0:16  | 9.53   | 47.66  | 30.83        | 9.65    | 8.03 | 11.6              | 3.54            | 103.0 |
| 243      | 2/21/2011 0:31  | 9.52   | 47.99  | 31.06        | 9.61    | 8.03 | 8.9               | 3.65            | 102.7 |
| 244      | 2/21/2011 0:46  | 9.54   | 48.38  | 31.34        | 9.57    | 8.03 | 7.1               | 3.76            | 102.6 |
| 245      | 2/21/2011 1:01  | 9.56   | 48.61  | 31.51        | 9.55    | 8.06 | 4.9               | 3.84            | 102.5 |
| 246      | 2/21/2011 1:16  | 9.57   | 48.70  | 31.57        | 9.52    | 8.04 | 4.3               | 3.92            | 102.2 |
| 247      | 2/21/2011 1:31  | 9.56   | 48.77  | 31.62        | 9.48    | 8.05 | 2.2               | 3.98            | 101.8 |
| 248      | 2/21/2011 1:46  | 9.56   | 48.78  | 31.63        | 9.43    | 8.04 | 0.9               | 4.01            | 101.3 |
| 249      | 2/21/2011 2:01  | 9.54   | 48.47  | 31.41        | 9.45    | 8.04 | 2.4               | 4.03            | 101.3 |
| 250      | 2/21/2011 2:16  | 9.55   | 48.62  | 31.52        | 9.48    | 8.04 | 3.1               | 4.02            | 101.7 |
| 251      | 2/21/2011 2:31  | 9.51   | 48.36  | 31.32        | 9.50    | 8.04 | 2.7               | 3.97            | 101.7 |
| 252      | 2/21/2011 2:46  | 9.33   | 47.51  | 30.71        | 9.60    | 8.05 | 3.8               | 3.89            | 101.9 |
| 253      | 2/21/2011 3:01  | 9.37   | 47.56  | 30.74        | 9.57    | 8.05 | 2.7               | 3.80            | 101.7 |
| 254      | 2/21/2011 3:16  | 9.34   | 47.20  | 30.48        | 9.59    | 8.02 | 2.7               | 3.68            | 101.8 |
| 255      | 2/21/2011 3:31  | 9.30   | 46.61  | 30.06        | 9.60    | 8.02 | 3.5               | 3.56            | 101.5 |
| 256      | 2/21/2011 3:46  | 9.31   | 46.53  | 30.00        | 9.60    | 8.04 | 4.2               | 3.43            | 101.5 |
| 257      | 2/21/2011 4:01  | 9.31   | 45.72  | 29.42        | 9.63    | 8.03 | 7.8               | 3.30            | 101.4 |
| 258      | 2/21/2011 4:16  | 9.27   | 45.13  | 29.00        | 9.67    | 8.03 | 5.5               | 3.17            | 101.5 |
| 259      | 2/21/2011 4:31  | 9.23   | 44.87  | 28.81        | 9.69    | 8.03 | 4.5               | 3.03            | 101.4 |
| 260      | 2/21/2011 4:46  | 9.22   | 44.82  | 28.78        | 9.67    | 8.03 | 4.7               | 2.90            | 101.2 |
| 261      | 2/21/2011 5:01  | 9.22   | 45.07  | 28.96        | 9.66    | 8.03 | 2.5               | 2.76            | 101.2 |
| 262      | 2/21/2011 5:16  | 9.22   | 45.06  | 28.95        | 9.65    | 8.03 | 2.7               | 2.63            | 101.1 |
| 263      | 2/21/2011 5:31  | 9.19   | 44.72  | 28.71        | 9.64    | 8.03 | 4.0               | 2.48            | 100.8 |
| 264      | 2/21/2011 5:46  | 9.17   | 44.48  | 28.53        | 9.62    | 8.02 | 4.7               | 2.35            | 100.4 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 265      | 2/21/2011 6:01  | 9.13   | 44.35  | 28.44        | 9.60    | 8.01 | 6.5               | 2.22            | 100.0 |
| 266      | 2/21/2011 6:16  | 9.14   | 44.17  | 28.31        | 9.65    | 8.02 | 6.3               | 2.09            | 100.5 |
| 267      | 2/21/2011 6:31  | 9.08   | 43.97  | 28.17        | 9.62    | 8.02 | 4.2               | 1.95            | 100.0 |
| 268      | 2/21/2011 6:46  | 9.05   | 43.83  | 28.07        | 9.61    | 8.02 | 3.7               | 1.83            | 99.7  |
| 269      | 2/21/2011 7:01  | 9.03   | 43.62  | 27.92        | 9.63    | 8.01 | 3.1               | 1.72            | 99.8  |
| 270      | 2/21/2011 7:16  | 9.03   | 43.41  | 27.77        | 9.65    | 8.01 | 2.9               | 1.64            | 99.9  |
| 271      | 2/21/2011 7:31  | 9.03   | 43.24  | 27.65        | 9.69    | 8.02 | 1.8               | 1.56            | 100.2 |
| 272      | 2/21/2011 7:46  | 9.02   | 43.16  | 27.59        | 9.61    | 8.02 | 1.6               | 1.52            | 99.4  |
| 273      | 2/21/2011 8:01  | 9.01   | 43.13  | 27.57        | 9.56    | 8.00 | 0.5               | 1.54            | 98.8  |
| 274      | 2/21/2011 8:16  | 9.04   | 43.20  | 27.62        | 9.65    | 8.02 | 1.0               | 1.55            | 99.8  |
| 275      | 2/21/2011 8:31  | 9.07   | 43.25  | 27.66        | 9.67    | 8.02 | 0.9               | 1.59            | 100.1 |
| 276      | 2/21/2011 8:46  | 9.09   | 43.33  | 27.72        | 9.69    | 8.02 | 0.9               | 1.69            | 100.4 |
| 277      | 2/21/2011 9:01  | 9.08   | 43.04  | 27.51        | 9.64    | 8.01 | 1.6               | 1.80            | 99.8  |
| 278      | 2/21/2011 9:16  | 9.07   | 42.61  | 27.20        | 9.64    | 8.00 | 2.0               | 1.89            | 99.5  |
| 279      | 2/21/2011 9:31  | 9.09   | 42.68  | 27.26        | 9.63    | 8.00 | 1.8               | 1.99            | 99.5  |
| 280      | 2/21/2011 9:46  | 9.13   | 43.04  | 27.51        | 9.60    | 8.01 | 1.9               | 2.11            | 99.5  |
| 281      | 2/21/2011 10:01 | 9.18   | 43.57  | 27.89        | 9.56    | 8.01 | 2.1               | 2.21            | 99.4  |
| 282      | 2/21/2011 10:16 | 9.21   | 43.93  | 28.15        | 9.52    | 8.01 | 1.7               | 2.31            | 99.2  |
| 283      | 2/21/2011 10:31 | 9.25   | 44.16  | 28.31        | 9.56    | 8.01 | 1.7               | 2.41            | 99.9  |
| 284      | 2/21/2011 10:46 | 9.31   | 44.46  | 28.52        | 9.58    | 8.02 | 1.5               | 2.50            | 100.3 |
| 285      | 2/21/2011 11:01 | 9.35   | 44.60  | 28.63        | 9.63    | 8.02 | 1.8               | 2.60            | 100.9 |
| 286      | 2/21/2011 11:16 | 9.36   | 45.04  | 28.94        | 9.63    | 8.03 | 2.5               | 2.69            | 101.2 |
| 287      | 2/21/2011 11:31 | 9.38   | 45.30  | 29.13        | 9.61    | 8.03 | 2.5               | 2.78            | 101.2 |
| 288      | 2/21/2011 11:46 | 9.39   | 45.43  | 29.22        | 9.62    | 8.03 | 2.7               | 2.87            | 101.3 |
| 289      | 2/21/2011 12:01 | 9.41   | 45.58  | 29.33        | 9.61    | 8.03 | 3.6               | 2.97            | 101.3 |
| 290      | 2/21/2011 12:16 | 9.41   | 45.87  | 29.53        | 9.61    | 8.03 | 5.6               | 3.06            | 101.5 |
| 291      | 2/21/2011 12:31 | 9.42   | 46.23  | 29.79        | 9.58    | 8.03 | 5.2               | 3.16            | 101.4 |
| 292      | 2/21/2011 12:46 | 9.43   | 46.78  | 30.19        | 9.53    | 8.04 | 4.8               | 3.25            | 101.1 |
| 293      | 2/21/2011 13:01 | 9.44   | 47.17  | 30.46        | 9.48    | 8.04 | 4.7               | 3.35            | 100.8 |
| 294      | 2/21/2011 13:16 | 9.48   | 47.48  | 30.69        | 9.44    | 8.05 | 3.9               | 3.43            | 100.6 |
| 295      | 2/21/2011 13:31 | 9.51   | 47.68  | 30.84        | 9.40    | 8.05 | 3.6               | 3.51            | 100.4 |
| 296      | 2/21/2011 13:46 | 9.54   | 47.86  | 30.97        | 9.32    | 8.05 | 2.0               | 3.58            | 99.6  |
| 297      | 2/21/2011 14:01 | 9.57   | 48.04  | 31.10        | 9.26    | 8.05 | 1.3               | 3.63            | 99.1  |
| 298      | 2/21/2011 14:16 | 9.58   | 48.15  | 31.18        | 9.24    | 8.05 | 0.8               | 3.65            | 99.0  |
| 299      | 2/21/2011 14:31 | 9.58   | 47.96  | 31.05        | 9.29    | 8.07 | 1.4               | 3.64            | 99.5  |
| 300      | 2/21/2011 14:46 | 9.60   | 48.18  | 31.20        | 9.25    | 8.05 | 1.9               | 3.63            | 99.2  |
| 301      | 2/21/2011 15:01 | 9.60   | 47.92  | 31.02        | 9.34    | 8.05 | 3.2               | 3.57            | 100.1 |
| 302      | 2/21/2011 15:16 | 9.69   | 47.24  | 30.54        | 9.56    | 8.06 | 2.9               | 3.50            | 102.3 |
| 303      | 2/21/2011 15:31 | 9.70   | 47.11  | 30.44        | 9.58    | 8.06 | 3.9               | 3.40            | 102.4 |
| 304      | 2/21/2011 15:46 | 9.74   | 46.98  | 30.35        | 9.62    | 8.05 | 6.0               | 3.29            | 102.9 |
| 305      | 2/21/2011 16:01 | 9.76   | 46.45  | 29.97        | 9.69    | 8.06 | 6.0               | 3.18            | 103.4 |
| 306      | 2/21/2011 16:16 | 9.79   | 45.96  | 29.62        | 9.80    | 8.06 | 4.6               | 3.08            | 104.4 |
| 307      | 2/21/2011 16:31 | 9.78   | 45.93  | 29.60        | 9.85    | 8.08 | 5.1               | 2.96            | 105.0 |
| 308      | 2/21/2011 16:46 | 9.79   | 45.72  | 29.45        | 9.85    | 8.07 | 4.6               | 2.86            | 104.9 |
| 309      | 2/21/2011 17:01 | 9.79   | 45.50  | 29.29        | 9.83    | 8.06 | 4.9               | 2.74            | 104.5 |
| 310      | 2/21/2011 17:16 | 9.79   | 45.23  | 29.11        | 9.84    | 8.04 | 5.0               | 2.65            | 104.6 |
| 311      | 2/21/2011 17:31 | 9.78   | 44.79  | 28.79        | 9.91    | 8.06 | 7.1               | 2.53            | 105.0 |
| 312      | 2/21/2011 17:46 | 9.75   | 45.13  | 29.03        | 10.08   | 8.10 | 6.8               | 2.41            | 106.9 |
| 313      | 2/21/2011 18:01 | 9.71   | 44.71  | 28.73        | 10.02   | 8.09 | 7.5               | 2.31            | 106.0 |
| 314      | 2/21/2011 18:16 | 9.68   | 44.47  | 28.56        | 10.03   | 8.08 | 8.2               | 2.20            | 105.9 |
| 315      | 2/21/2011 18:31 | 9.71   | 44.00  | 28.22        | 9.99    | 8.07 | 10.5              | 2.09            | 105.3 |
| 316      | 2/21/2011 18:46 | 9.74   | 43.81  | 28.09        | 10.00   | 8.07 | 11.8              | 1.99            | 105.4 |
| 317      | 2/21/2011 19:01 | 9.71   | 43.78  | 28.07        | 10.01   | 8.08 | 11.4              | 1.91            | 105.4 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 318      | 2/21/2011 19:16 | 9.75   | 43.55  | 27.91        | 10.02   | 8.08 | 10.6              | 1.84            | 105.5 |
| 319      | 2/21/2011 19:31 | 9.79   | 43.36  | 27.77        | 10.01   | 8.07 | 8.8               | 1.79            | 105.4 |
| 320      | 2/21/2011 19:46 | 9.77   | 43.27  | 27.71        | 9.96    | 8.07 | 7.7               | 1.76            | 104.8 |
| 321      | 2/21/2011 20:01 | 9.75   | 43.26  | 27.70        | 9.89    | 8.07 | 4.9               | 1.76            | 104.0 |
| 322      | 2/21/2011 20:16 | 9.77   | 43.33  | 27.76        | 10.02   | 8.07 | 7.0               | 1.81            | 105.4 |
| 323      | 2/21/2011 20:31 | 9.77   | 43.41  | 27.81        | 10.01   | 8.07 | 7.4               | 1.84            | 105.4 |
| 324      | 2/21/2011 20:46 | 9.73   | 43.32  | 27.74        | 9.99    | 8.06 | 6.7               | 1.91            | 105.1 |
| 325      | 2/21/2011 21:01 | 9.78   | 42.96  | 27.49        | 10.03   | 8.06 | 5.9               | 2.02            | 105.5 |
| 326      | 2/21/2011 21:16 | 9.80   | 42.89  | 27.44        | 10.02   | 8.06 | 5.4               | 2.12            | 105.3 |
| 327      | 2/21/2011 21:31 | 9.80   | 42.88  | 27.44        | 10.01   | 8.06 | 5.5               | 2.22            | 105.2 |
| 328      | 2/21/2011 21:46 | 9.81   | 43.22  | 27.68        | 9.99    | 8.06 | 6.6               | 2.32            | 105.2 |
| 329      | 2/21/2011 22:01 | 9.74   | 43.52  | 27.88        | 9.94    | 8.05 | 4.9               | 2.43            | 104.6 |
| 330      | 2/21/2011 22:16 | 9.70   | 44.22  | 28.38        | 9.84    | 8.05 | 4.8               | 2.53            | 103.9 |
| 331      | 2/21/2011 22:31 | 9.70   | 44.91  | 28.87        | 9.78    | 8.05 | 4.6               | 2.63            | 103.5 |
| 332      | 2/21/2011 22:46 | 9.70   | 45.17  | 29.06        | 9.75    | 8.05 | 3.5               | 2.73            | 103.4 |
| 333      | 2/21/2011 23:01 | 9.68   | 45.16  | 29.05        | 9.76    | 8.04 | 4.1               | 2.83            | 103.3 |
| 334      | 2/21/2011 23:16 | 9.68   | 45.31  | 29.16        | 9.74    | 8.04 | 5.1               | 2.92            | 103.2 |
| 335      | 2/21/2011 23:31 | 9.66   | 45.42  | 29.23        | 9.72    | 8.05 | 5.5               | 3.03            | 103.0 |
| 336      | 2/21/2011 23:46 | 9.62   | 45.74  | 29.46        | 9.68    | 8.05 | 8.9               | 3.12            | 102.7 |
| 337      | 2/22/2011 0:01  | 9.59   | 46.16  | 29.75        | 9.64    | 8.05 | 6.7               | 3.24            | 102.3 |
| 338      | 2/22/2011 0:16  | 9.59   | 46.47  | 29.97        | 9.59    | 8.05 | 7.0               | 3.35            | 102.0 |
| 339      | 2/22/2011 0:31  | 9.58   | 47.10  | 30.43        | 9.48    | 8.05 | 7.1               | 3.46            | 101.1 |
| 340      | 2/22/2011 0:46  | 9.55   | 47.57  | 30.76        | 9.43    | 8.05 | 7.8               | 3.57            | 100.7 |
| 341      | 2/22/2011 1:01  | 9.54   | 47.75  | 30.89        | 9.40    | 8.06 | 8.1               | 3.68            | 100.4 |
| 342      | 2/22/2011 1:16  | 9.53   | 47.89  | 30.99        | 9.38    | 8.06 | 7.0               | 3.78            | 100.3 |
| 343      | 2/22/2011 1:31  | 9.52   | 48.03  | 31.09        | 9.36    | 8.06 | 6.0               | 3.86            | 100.0 |
| 344      | 2/22/2011 1:46  | 9.52   | 48.10  | 31.14        | 9.32    | 8.04 | 3.7               | 3.95            | 99.7  |
| 345      | 2/22/2011 2:01  | 9.51   | 48.17  | 31.19        | 9.29    | 8.08 | 2.0               | 4.01            | 99.3  |
| 346      | 2/22/2011 2:16  | 9.50   | 48.19  | 31.20        | 9.26    | 8.06 | 0.7               | 4.05            | 99.0  |
| 347      | 2/22/2011 2:31  | 9.49   | 48.18  | 31.20        | 9.21    | 8.06 | 0.2               | 4.08            | 98.5  |
| 348      | 2/22/2011 2:46  | 9.50   | 47.95  | 31.03        | 9.27    | 8.06 | 2.4               | 4.07            | 99.1  |
| 349      | 2/22/2011 3:01  | 9.50   | 47.97  | 31.04        | 9.28    | 8.06 | 2.0               | 4.04            | 99.1  |
| 350      | 2/22/2011 3:16  | 9.39   | 47.63  | 30.79        | 9.35    | 8.05 | 1.5               | 3.99            | 99.6  |
| 351      | 2/22/2011 3:31  | 9.31   | 47.27  | 30.53        | 9.43    | 8.06 | 2.9               | 3.89            | 100.1 |
| 352      | 2/22/2011 3:46  | 9.35   | 47.29  | 30.54        | 9.43    | 8.05 | 3.2               | 3.80            | 100.1 |
| 353      | 2/22/2011 4:01  | 9.34   | 47.22  | 30.50        | 9.44    | 8.05 | 2.7               | 3.70            | 100.1 |
| 354      | 2/22/2011 4:16  | 9.27   | 46.43  | 29.93        | 9.47    | 8.04 | 4.2               | 3.59            | 100.0 |
| 355      | 2/22/2011 4:31  | 9.30   | 46.47  | 29.95        | 9.49    | 8.04 | 4.2               | 3.46            | 100.2 |
| 356      | 2/22/2011 4:46  | 9.26   | 46.07  | 29.67        | 9.50    | 8.04 | 2.5               | 3.33            | 100.1 |
| 357      | 2/22/2011 5:01  | 9.21   | 45.37  | 29.16        | 9.55    | 8.04 | 3.4               | 3.21            | 100.2 |
| 358      | 2/22/2011 5:16  | 9.19   | 45.05  | 28.94        | 9.59    | 8.04 | 4.5               | 3.09            | 100.4 |
| 359      | 2/22/2011 5:31  | 9.20   | 45.40  | 29.19        | 9.56    | 8.04 | 2.9               | 2.95            | 100.3 |
| 360      | 2/22/2011 5:46  | 9.19   | 45.13  | 29.00        | 9.58    | 8.04 | 2.8               | 2.82            | 100.4 |
| 361      | 2/22/2011 6:01  | 9.17   | 45.14  | 29.00        | 9.55    | 8.04 | 2.6               | 2.70            | 100.0 |
| 362      | 2/22/2011 6:16  | 9.19   | 44.72  | 28.71        | 9.61    | 8.04 | 4.2               | 2.57            | 100.5 |
| 363      | 2/22/2011 6:31  | 9.22   | 44.63  | 28.65        | 9.58    | 8.04 | 4.3               | 2.43            | 100.2 |
| 364      | 2/22/2011 6:46  | 9.23   | 44.59  | 28.62        | 9.59    | 8.03 | 7.8               | 2.29            | 100.3 |
| 365      | 2/22/2011 7:01  | 9.17   | 44.52  | 28.56        | 9.54    | 8.03 | 4.5               | 2.17            | 99.6  |
| 366      | 2/22/2011 7:16  | 9.16   | 44.31  | 28.41        | 9.54    | 8.03 | 4.5               | 2.04            | 99.4  |
| 367      | 2/22/2011 7:31  | 9.12   | 44.14  | 28.29        | 9.52    | 8.03 | 4.1               | 1.90            | 99.1  |
| 368      | 2/22/2011 7:46  | 9.09   | 44.05  | 28.22        | 9.53    | 8.02 | 4.5               | 1.80            | 99.1  |
| 369      | 2/22/2011 8:01  | 9.11   | 43.87  | 28.10        | 9.57    | 8.04 | 3.7               | 1.69            | 99.5  |
| 370      | 2/22/2011 8:16  | 9.12   | 43.66  | 27.95        | 9.59    | 8.04 | 3.2               | 1.61            | 99.6  |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 371      | 2/22/2011 8:31  | 9.12   | 43.62  | 27.92        | 9.55    | 8.04 | 3.1               | 1.56            | 99.1  |
| 372      | 2/22/2011 8:46  | 9.14   | 43.58  | 27.90        | 9.46    | 8.03 | 1.7               | 1.53            | 98.3  |
| 373      | 2/22/2011 9:01  | 9.15   | 43.62  | 27.92        | 9.46    | 8.03 | 2.5               | 1.54            | 98.3  |
| 374      | 2/22/2011 9:16  | 9.17   | 43.67  | 27.96        | 9.56    | 8.04 | 2.9               | 1.58            | 99.4  |
| 375      | 2/22/2011 9:31  | 9.21   | 43.69  | 27.98        | 9.57    | 8.04 | 2.7               | 1.64            | 99.7  |
| 376      | 2/22/2011 9:46  | 9.24   | 43.73  | 28.00        | 9.57    | 8.04 | 3.2               | 1.72            | 99.7  |
| 377      | 2/22/2011 10:01 | 9.21   | 43.48  | 27.83        | 9.57    | 8.03 | 3.2               | 1.81            | 99.5  |
| 378      | 2/22/2011 10:16 | 9.16   | 43.20  | 27.63        | 9.57    | 8.03 | 3.2               | 1.90            | 99.3  |
| 379      | 2/22/2011 10:31 | 9.14   | 43.19  | 27.62        | 9.55    | 8.00 | 2.6               | 1.99            | 99.0  |
| 380      | 2/22/2011 10:46 | 9.16   | 43.43  | 27.79        | 9.53    | 8.00 | 2.1               | 2.10            | 98.9  |
| 381      | 2/22/2011 11:01 | 9.18   | 43.71  | 27.99        | 9.51    | 8.03 | 2.9               | 2.19            | 98.9  |
| 382      | 2/22/2011 11:16 | 9.22   | 44.07  | 28.25        | 9.53    | 8.01 | 1.6               | 2.28            | 99.4  |
| 383      | 2/22/2011 11:31 | 9.26   | 44.21  | 28.34        | 9.49    | 8.03 | 1.2               | 2.37            | 99.2  |
| 384      | 2/22/2011 11:46 | 9.34   | 44.47  | 28.54        | 9.53    | 8.03 | 1.2               | 2.46            | 99.9  |
| 385      | 2/22/2011 12:01 | 9.39   | 44.79  | 28.77        | 9.54    | 8.03 | 1.3               | 2.54            | 100.2 |
| 386      | 2/22/2011 12:16 | 9.42   | 45.04  | 28.94        | 9.54    | 8.02 | 1.3               | 2.63            | 100.4 |
| 387      | 2/22/2011 12:31 | 9.41   | 45.15  | 29.02        | 9.55    | 8.04 | 1.4               | 2.71            | 100.6 |
| 388      | 2/22/2011 12:46 | 9.42   | 45.24  | 29.09        | 9.55    | 8.04 | 2.1               | 2.80            | 100.7 |
| 389      | 2/22/2011 13:01 | 9.46   | 45.35  | 29.17        | 9.55    | 8.04 | 2.0               | 2.88            | 100.7 |
| 390      | 2/22/2011 13:16 | 9.47   | 45.38  | 29.19        | 9.54    | 8.02 | 2.0               | 2.95            | 100.6 |
| 391      | 2/22/2011 13:31 | 9.45   | 45.51  | 29.29        | 9.52    | 8.04 | 2.7               | 3.03            | 100.4 |
| 392      | 2/22/2011 13:46 | 9.51   | 45.67  | 29.40        | 9.53    | 8.04 | 3.8               | 3.10            | 100.8 |
| 393      | 2/22/2011 14:01 | 9.53   | 45.91  | 29.57        | 9.52    | 8.02 | 3.5               | 3.18            | 100.8 |
| 394      | 2/22/2011 14:16 | 9.49   | 46.23  | 29.80        | 9.49    | 8.02 | 3.5               | 3.24            | 100.5 |
| 395      | 2/22/2011 14:31 | 9.51   | 46.61  | 30.07        | 9.45    | 8.02 | 2.0               | 3.30            | 100.4 |
| 396      | 2/22/2011 14:46 | 9.53   | 46.93  | 30.30        | 9.42    | 8.04 | 1.6               | 3.36            | 100.3 |
| 397      | 2/22/2011 15:01 | 9.53   | 47.06  | 30.40        | 9.39    | 8.02 | 1.1               | 3.37            | 100.0 |
| 398      | 2/22/2011 15:16 | 9.53   | 47.09  | 30.41        | 9.30    | 8.05 | 0.4               | 3.40            | 99.1  |
| 399      | 2/22/2011 15:31 | 9.54   | 47.10  | 30.43        | 9.32    | 8.04 | 1.0               | 3.42            | 99.3  |
| 400      | 2/22/2011 15:46 | 9.54   | 47.08  | 30.41        | 9.38    | 8.02 | 1.4               | 3.39            | 99.9  |
| 401      | 2/22/2011 16:01 | 9.55   | 47.00  | 30.36        | 9.39    | 8.02 | 2.3               | 3.34            | 100.0 |
| 402      | 2/22/2011 16:16 | 9.70   | 46.20  | 29.79        | 9.73    | 8.07 | 3.5               | 3.27            | 103.6 |
| 403      | 2/22/2011 16:31 | 9.72   | 46.41  | 29.94        | 9.93    | 8.06 | 3.2               | 3.20            | 105.9 |
| 404      | 2/22/2011 16:46 | 9.67   | 46.27  | 29.84        | 9.86    | 8.08 | 3.3               | 3.13            | 105.0 |
| 405      | 2/22/2011 17:01 | 9.61   | 46.26  | 29.83        | 9.83    | 8.07 | 3.3               | 3.03            | 104.5 |
| 406      | 2/22/2011 17:16 | 9.54   | 46.23  | 29.80        | 9.87    | 8.07 | 3.7               | 2.93            | 104.8 |
| 407      | 2/22/2011 17:31 | 9.61   | 45.65  | 29.39        | 9.82    | 8.08 | 4.3               | 2.85            | 104.0 |
| 408      | 2/22/2011 17:46 | 9.60   | 45.38  | 29.20        | 9.82    | 8.07 | 4.6               | 2.78            | 103.9 |
| 409      | 2/22/2011 18:01 | 9.53   | 45.29  | 29.13        | 9.78    | 8.07 | 5.2               | 2.68            | 103.3 |
| 410      | 2/22/2011 18:16 | 9.49   | 44.94  | 28.88        | 9.75    | 8.06 | 8.5               | 2.57            | 102.7 |
| 411      | 2/22/2011 18:31 | 9.46   | 44.44  | 28.52        | 9.78    | 8.06 | 7.3               | 2.49            | 102.8 |
| 412      | 2/22/2011 18:46 | 9.51   | 43.96  | 28.19        | 9.79    | 8.06 | 8.8               | 2.40            | 102.7 |
| 413      | 2/22/2011 19:01 | 9.51   | 43.85  | 28.11        | 9.80    | 8.06 | 9.5               | 2.31            | 102.8 |
| 414      | 2/22/2011 19:16 | 9.54   | 43.88  | 28.13        | 9.83    | 8.06 | 9.6               | 2.23            | 103.2 |
| 415      | 2/22/2011 19:31 | 9.55   | 43.94  | 28.17        | 9.85    | 8.06 | 8.1               | 2.15            | 103.4 |
| 416      | 2/22/2011 19:46 | 9.62   | 43.80  | 28.08        | 9.92    | 8.07 | 8.2               | 2.09            | 104.3 |
| 417      | 2/22/2011 20:01 | 9.72   | 43.67  | 28.00        | 10.01   | 8.09 | 8.7               | 2.04            | 105.4 |
| 418      | 2/22/2011 20:16 | 9.71   | 43.65  | 27.98        | 9.99    | 8.09 | 7.2               | 2.01            | 105.1 |
| 419      | 2/22/2011 20:31 | 9.76   | 43.58  | 27.93        | 9.97    | 8.10 | 6.2               | 1.98            | 105.0 |
| 420      | 2/22/2011 20:46 | 9.73   | 43.58  | 27.93        | 9.95    | 8.10 | 6.5               | 1.99            | 104.8 |
| 421      | 2/22/2011 21:01 | 9.69   | 43.62  | 27.95        | 9.97    | 8.09 | 6.5               | 2.02            | 104.9 |
| 422      | 2/22/2011 21:16 | 9.72   | 43.59  | 27.94        | 9.98    | 8.09 | 5.9               | 2.05            | 105.0 |
| 423      | 2/22/2011 21:31 | 9.73   | 43.53  | 27.90        | 9.92    | 8.08 | 6.7               | 2.12            | 104.4 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 424      | 2/22/2011 21:46 | 9.69   | 43.34  | 27.76        | 9.92    | 8.08 | 6.3               | 2.19            | 104.2 |
| 425      | 2/22/2011 22:01 | 9.64   | 43.31  | 27.73        | 9.83    | 8.04 | 5.4               | 2.28            | 103.2 |
| 426      | 2/22/2011 22:16 | 9.64   | 43.32  | 27.74        | 9.80    | 8.03 | 5.2               | 2.37            | 102.9 |
| 427      | 2/22/2011 22:31 | 9.63   | 43.54  | 27.90        | 9.76    | 8.05 | 6.3               | 2.46            | 102.5 |
| 428      | 2/22/2011 22:46 | 9.62   | 44.04  | 28.25        | 9.69    | 8.03 | 5.5               | 2.55            | 101.9 |
| 429      | 2/22/2011 23:01 | 9.58   | 44.36  | 28.47        | 9.71    | 8.03 | 3.5               | 2.63            | 102.2 |
| 430      | 2/22/2011 23:16 | 9.62   | 44.93  | 28.88        | 9.66    | 8.05 | 5.0               | 2.72            | 102.0 |
| 431      | 2/22/2011 23:31 | 9.59   | 45.16  | 29.04        | 9.69    | 8.05 | 4.0               | 2.80            | 102.4 |
| 432      | 2/22/2011 23:46 | 9.59   | 45.38  | 29.20        | 9.67    | 8.05 | 3.2               | 2.89            | 102.3 |
| 433      | 2/23/2011 0:01  | 9.59   | 45.57  | 29.33        | 9.64    | 8.05 | 6.0               | 2.98            | 102.1 |
| 434      | 2/23/2011 0:16  | 9.56   | 45.93  | 29.59        | 9.61    | 8.05 | 7.2               | 3.07            | 101.9 |
| 435      | 2/23/2011 0:31  | 9.55   | 46.16  | 29.75        | 9.59    | 8.05 | 7.8               | 3.16            | 101.8 |
| 436      | 2/23/2011 0:46  | 9.51   | 46.37  | 29.90        | 9.58    | 8.05 | 7.0               | 3.26            | 101.6 |
| 437      | 2/23/2011 1:01  | 9.48   | 46.66  | 30.11        | 9.56    | 8.05 | 5.3               | 3.37            | 101.5 |
| 438      | 2/23/2011 1:16  | 9.49   | 47.01  | 30.36        | 9.52    | 8.05 | 6.0               | 3.46            | 101.3 |
| 439      | 2/23/2011 1:31  | 9.50   | 47.48  | 30.69        | 9.54    | 8.05 | 7.2               | 3.56            | 101.7 |
| 440      | 2/23/2011 1:46  | 9.48   | 47.89  | 30.99        | 9.54    | 8.05 | 5.4               | 3.67            | 101.9 |
| 441      | 2/23/2011 2:01  | 9.48   | 48.12  | 31.15        | 9.52    | 8.05 | 5.5               | 3.75            | 101.8 |
| 442      | 2/23/2011 2:16  | 9.47   | 48.23  | 31.23        | 9.51    | 8.05 | 4.4               | 3.83            | 101.7 |
| 443      | 2/23/2011 2:31  | 9.48   | 48.34  | 31.31        | 9.48    | 8.03 | 4.2               | 3.90            | 101.4 |
| 444      | 2/23/2011 2:46  | 9.47   | 48.45  | 31.39        | 9.47    | 8.06 | 2.4               | 3.95            | 101.3 |
| 445      | 2/23/2011 3:01  | 9.45   | 48.50  | 31.43        | 9.47    | 8.06 | 1.2               | 3.98            | 101.3 |
| 446      | 2/23/2011 3:16  | 9.46   | 48.53  | 31.44        | 9.41    | 8.03 | 0.7               | 4.00            | 100.7 |
| 447      | 2/23/2011 3:31  | 9.46   | 48.39  | 31.35        | 9.47    | 8.05 | 2.3               | 4.00            | 101.3 |
| 448      | 2/23/2011 3:46  | 9.46   | 48.47  | 31.40        | 9.50    | 8.05 | 2.6               | 3.97            | 101.7 |
| 449      | 2/23/2011 4:01  | 9.27   | 47.05  | 30.37        | 9.51    | 8.05 | 2.9               | 3.92            | 100.6 |
| 450      | 2/23/2011 4:16  | 9.25   | 46.91  | 30.27        | 9.51    | 8.05 | 1.7               | 3.84            | 100.5 |
| 451      | 2/23/2011 4:31  | 9.30   | 46.95  | 30.30        | 9.50    | 8.05 | 2.5               | 3.74            | 100.6 |
| 452      | 2/23/2011 4:46  | 9.26   | 46.66  | 30.09        | 9.51    | 8.05 | 1.3               | 3.65            | 100.5 |
| 453      | 2/23/2011 5:01  | 9.27   | 46.53  | 30.00        | 9.49    | 8.04 | 2.1               | 3.55            | 100.2 |
| 454      | 2/23/2011 5:16  | 9.26   | 46.21  | 29.77        | 9.50    | 8.04 | 1.8               | 3.44            | 100.2 |
| 455      | 2/23/2011 5:31  | 9.25   | 46.10  | 29.69        | 9.48    | 8.04 | 1.5               | 3.34            | 99.9  |
| 456      | 2/23/2011 5:46  | 9.24   | 45.47  | 29.24        | 9.50    | 8.04 | 2.7               | 3.23            | 99.8  |
| 457      | 2/23/2011 6:01  | 9.27   | 45.56  | 29.31        | 9.49    | 8.04 | 3.4               | 3.11            | 99.8  |
| 458      | 2/23/2011 6:16  | 9.19   | 45.84  | 29.50        | 9.48    | 8.01 | 1.8               | 2.98            | 99.6  |
| 459      | 2/23/2011 6:31  | 9.21   | 45.52  | 29.28        | 9.51    | 8.02 | 2.2               | 2.87            | 99.9  |
| 460      | 2/23/2011 6:46  | 9.20   | 45.49  | 29.25        | 9.50    | 8.04 | 2.3               | 2.75            | 99.7  |
| 461      | 2/23/2011 7:01  | 9.19   | 45.33  | 29.14        | 9.48    | 8.04 | 2.0               | 2.64            | 99.4  |
| 462      | 2/23/2011 7:16  | 9.24   | 45.05  | 28.94        | 9.47    | 8.04 | 2.6               | 2.50            | 99.2  |
| 463      | 2/23/2011 7:31  | 9.16   | 45.13  | 28.99        | 9.45    | 8.03 | 2.7               | 2.38            | 98.9  |
| 464      | 2/23/2011 7:46  | 9.20   | 44.78  | 28.75        | 9.42    | 8.04 | 2.5               | 2.26            | 98.5  |
| 465      | 2/23/2011 8:01  | 9.15   | 44.69  | 28.68        | 9.50    | 8.04 | 2.3               | 2.13            | 99.2  |
| 466      | 2/23/2011 8:16  | 9.13   | 44.49  | 28.54        | 9.56    | 8.05 | 2.9               | 2.01            | 99.7  |
| 467      | 2/23/2011 8:31  | 9.11   | 44.40  | 28.47        | 9.61    | 8.05 | 2.4               | 1.89            | 100.2 |
| 468      | 2/23/2011 8:46  | 9.15   | 44.19  | 28.33        | 9.63    | 8.06 | 3.1               | 1.78            | 100.3 |
| 469      | 2/23/2011 9:01  | 9.18   | 44.05  | 28.23        | 9.62    | 8.06 | 1.9               | 1.71            | 100.3 |
| 470      | 2/23/2011 9:16  | 9.20   | 43.95  | 28.16        | 9.65    | 8.07 | 1.5               | 1.61            | 100.5 |
| 471      | 2/23/2011 9:31  | 9.21   | 43.84  | 28.08        | 9.56    | 8.07 | 1.6               | 1.57            | 99.5  |
| 472      | 2/23/2011 9:46  | 9.23   | 43.82  | 28.07        | 9.58    | 8.06 | 1.2               | 1.55            | 99.8  |
| 473      | 2/23/2011 10:01 | 9.23   | 43.85  | 28.09        | 9.56    | 8.04 | 0.4               | 1.55            | 99.7  |
| 474      | 2/23/2011 10:16 | 9.24   | 43.89  | 28.12        | 9.57    | 8.06 | 0.2               | 1.58            | 99.8  |
| 475      | 2/23/2011 10:31 | 9.25   | 43.91  | 28.14        | 9.56    | 8.06 | 0.4               | 1.63            | 99.7  |
| 476      | 2/23/2011 10:46 | 9.26   | 43.95  | 28.16        | 9.54    | 8.03 | 0.7               | 1.69            | 99.5  |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 477      | 2/23/2011 11:01 | 9.27   | 43.83  | 28.08        | 9.52    | 8.06 | 0.6               | 1.78            | 99.3  |
| 478      | 2/23/2011 11:16 | 9.28   | 43.16  | 27.61        | 9.59    | 8.05 | 2.6               | 1.85            | 99.7  |
| 479      | 2/23/2011 11:31 | 9.27   | 43.29  | 27.69        | 9.56    | 8.05 | 1.5               | 1.94            | 99.4  |
| 480      | 2/23/2011 11:46 | 9.24   | 43.63  | 27.93        | 9.49    | 8.02 | 2.0               | 2.01            | 98.8  |
| 481      | 2/23/2011 12:01 | 9.29   | 42.93  | 27.45        | 9.54    | 8.02 | 1.6               | 2.09            | 99.1  |
| 482      | 2/23/2011 12:16 | 9.27   | 43.47  | 27.83        | 9.48    | 8.04 | 2.1               | 2.18            | 98.7  |
| 483      | 2/23/2011 12:31 | 9.29   | 43.80  | 28.06        | 9.44    | 8.04 | 2.3               | 2.24            | 98.5  |
| 484      | 2/23/2011 12:46 | 9.32   | 44.18  | 28.33        | 9.41    | 8.01 | 2.6               | 2.33            | 98.4  |
| 485      | 2/23/2011 13:01 | 9.42   | 44.56  | 28.60        | 9.44    | 8.02 | 2.4               | 2.41            | 99.1  |
| 486      | 2/23/2011 13:16 | 9.39   | 45.03  | 28.94        | 9.42    | 8.02 | 2.6               | 2.48            | 99.1  |
| 487      | 2/23/2011 13:31 | 9.45   | 45.20  | 29.06        | 9.48    | 8.02 | 2.4               | 2.56            | 99.9  |
| 488      | 2/23/2011 13:46 | 9.47   | 45.31  | 29.14        | 9.49    | 8.02 | 2.0               | 2.63            | 100.1 |
| 489      | 2/23/2011 14:01 | 9.45   | 45.43  | 29.22        | 9.50    | 8.05 | 2.1               | 2.70            | 100.2 |
| 490      | 2/23/2011 14:16 | 9.44   | 45.53  | 29.30        | 9.48    | 8.02 | 2.2               | 2.76            | 100.1 |
| 491      | 2/23/2011 14:31 | 9.49   | 45.59  | 29.34        | 9.47    | 8.02 | 2.3               | 2.83            | 100.1 |
| 492      | 2/23/2011 14:46 | 9.50   | 45.64  | 29.38        | 9.48    | 8.04 | 0.7               | 2.90            | 100.3 |
| 493      | 2/23/2011 15:01 | 9.51   | 45.66  | 29.39        | 9.48    | 8.04 | 0.5               | 2.95            | 100.2 |
| 494      | 2/23/2011 15:16 | 9.51   | 45.80  | 29.49        | 9.48    | 8.02 | 1.0               | 3.00            | 100.3 |
| 495      | 2/23/2011 15:31 | 9.53   | 45.89  | 29.56        | 9.48    | 8.02 | 1.3               | 3.05            | 100.4 |
| 496      | 2/23/2011 15:46 | 9.56   | 45.98  | 29.62        | 9.47    | 8.02 | 1.8               | 3.10            | 100.4 |
| 497      | 2/23/2011 16:01 | 9.60   | 46.04  | 29.67        | 9.45    | 8.02 | 1.4               | 3.13            | 100.3 |
| 498      | 2/23/2011 16:16 | 9.60   | 46.06  | 29.68        | 9.39    | 8.02 | 1.5               | 3.16            | 99.7  |
| 499      | 2/23/2011 16:31 | 9.57   | 46.08  | 29.69        | 9.50    | 8.06 | 1.0               | 3.17            | 100.8 |
| 500      | 2/23/2011 16:46 | 9.51   | 46.32  | 29.87        | 9.44    | 8.01 | 2.1               | 3.16            | 100.2 |
| 501      | 2/23/2011 17:01 | 9.51   | 46.30  | 29.85        | 9.41    | 8.02 | 2.7               | 3.12            | 99.8  |
| 502      | 2/23/2011 17:16 | 9.55   | 46.10  | 29.71        | 9.45    | 8.02 | 3.1               | 3.08            | 100.2 |
| 503      | 2/23/2011 17:31 | 9.59   | 45.97  | 29.62        | 9.45    | 8.04 | 2.4               | 3.04            | 100.3 |
| 504      | 2/23/2011 17:46 | 9.68   | 45.80  | 29.50        | 9.62    | 8.04 | 1.6               | 2.98            | 102.1 |
| 505      | 2/23/2011 18:01 | 9.57   | 45.61  | 29.36        | 9.64    | 8.06 | 2.4               | 2.91            | 102.1 |
| 506      | 2/23/2011 18:16 | 9.52   | 45.57  | 29.33        | 9.71    | 8.07 | 1.6               | 2.83            | 102.7 |
| 507      | 2/23/2011 18:31 | 9.51   | 45.56  | 29.32        | 9.62    | 8.06 | 2.5               | 2.76            | 101.6 |
| 508      | 2/23/2011 18:46 | 9.48   | 45.57  | 29.33        | 9.56    | 8.06 | 1.9               | 2.69            | 100.9 |
| 509      | 2/23/2011 19:01 | 9.48   | 45.51  | 29.28        | 9.56    | 8.04 | 2.1               | 2.63            | 101.0 |
| 510      | 2/23/2011 19:16 | 9.56   | 44.84  | 28.81        | 9.72    | 8.05 | 2.6               | 2.57            | 102.5 |
| 511      | 2/23/2011 19:31 | 9.51   | 44.71  | 28.72        | 9.67    | 8.07 | 2.3               | 2.49            | 101.8 |
| 512      | 2/23/2011 19:46 | 9.51   | 44.46  | 28.54        | 9.68    | 8.07 | 2.3               | 2.42            | 101.8 |
| 513      | 2/23/2011 20:01 | 9.52   | 44.29  | 28.42        | 9.73    | 8.08 | 2.0               | 2.36            | 102.2 |
| 514      | 2/23/2011 20:16 | 9.55   | 44.09  | 28.28        | 9.75    | 8.08 | 1.7               | 2.31            | 102.5 |
| 515      | 2/23/2011 20:31 | 9.56   | 43.94  | 28.18        | 9.74    | 8.09 | 1.4               | 2.26            | 102.3 |
| 516      | 2/23/2011 20:46 | 9.56   | 43.94  | 28.17        | 9.76    | 8.08 | 1.6               | 2.23            | 102.6 |
| 517      | 2/23/2011 21:01 | 9.59   | 43.85  | 28.11        | 9.75    | 8.09 | 1.3               | 2.22            | 102.5 |
| 518      | 2/23/2011 21:16 | 9.53   | 44.19  | 28.35        | 9.35    | 8.04 | 0.4               | 2.20            | 98.2  |
| 519      | 2/23/2011 21:31 | 9.55   | 44.31  | 28.43        | 9.52    | 8.06 | 1.2               | 2.21            | 100.1 |
| 520      | 2/23/2011 21:46 | 9.52   | 44.15  | 28.32        | 9.61    | 8.07 | 1.2               | 2.21            | 101.0 |
| 521      | 2/23/2011 22:01 | 9.52   | 44.22  | 28.37        | 9.62    | 8.07 | 1.6               | 2.25            | 101.0 |
| 522      | 2/23/2011 22:16 | 9.54   | 44.22  | 28.37        | 9.66    | 8.07 | 1.5               | 2.30            | 101.6 |
| 523      | 2/23/2011 22:31 | 9.55   | 44.36  | 28.47        | 9.64    | 8.07 | 1.8               | 2.34            | 101.4 |
| 524      | 2/23/2011 22:46 | 9.54   | 44.01  | 28.22        | 9.84    | 8.06 | 2.2               | 2.41            | 103.4 |
| 525      | 2/23/2011 23:01 | 9.57   | 44.47  | 28.55        | 9.67    | 8.04 | 1.5               | 2.47            | 101.8 |
| 526      | 2/23/2011 23:16 | 9.55   | 44.42  | 28.51        | 9.77    | 8.05 | 2.3               | 2.54            | 102.8 |
| 527      | 2/23/2011 23:31 | 9.55   | 44.60  | 28.64        | 9.74    | 8.05 | 1.6               | 2.61            | 102.6 |
| 528      | 2/23/2011 23:46 | 9.57   | 44.92  | 28.87        | 9.70    | 8.05 | 1.5               | 2.69            | 102.3 |
| 529      | 2/24/2011 0:01  | 9.57   | 45.26  | 29.11        | 9.65    | 8.04 | 1.6               | 2.76            | 102.0 |



sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 530      | 2/24/2011 0:16  | 9.54   | 45.68  | 29.41        | 9.57    | 8.03 | 1.5               | 2.83            | 101.3 |
| 531      | 2/24/2011 0:31  | 9.54   | 46.03  | 29.66        | 9.53    | 8.05 | 1.6               | 2.91            | 101.0 |
| 532      | 2/24/2011 0:46  | 9.54   | 46.30  | 29.85        | 9.51    | 8.03 | 1.5               | 2.99            | 100.9 |
| 533      | 2/24/2011 1:01  | 9.54   | 46.51  | 30.00        | 9.50    | 8.04 | 2.0               | 3.07            | 100.9 |
| 534      | 2/24/2011 1:16  | 9.54   | 46.75  | 30.18        | 9.45    | 8.02 | 2.5               | 3.15            | 100.5 |
| 535      | 2/24/2011 1:31  | 9.51   | 46.91  | 30.28        | 9.44    | 8.04 | 3.4               | 3.24            | 100.4 |
| 536      | 2/24/2011 1:46  | 9.50   | 47.16  | 30.46        | 9.42    | 8.04 | 4.5               | 3.32            | 100.3 |
| 537      | 2/24/2011 2:01  | 9.48   | 47.48  | 30.69        | 9.43    | 8.03 | 4.0               | 3.40            | 100.5 |
| 538      | 2/24/2011 2:16  | 9.46   | 47.63  | 30.80        | 9.41    | 8.03 | 3.5               | 3.50            | 100.3 |
| 539      | 2/24/2011 2:31  | 9.44   | 48.01  | 31.07        | 9.43    | 8.01 | 4.8               | 3.58            | 100.6 |
| 540      | 2/24/2011 2:46  | 9.44   | 48.31  | 31.28        | 9.42    | 8.03 | 4.0               | 3.65            | 100.7 |
| 541      | 2/24/2011 3:01  | 9.44   | 48.52  | 31.44        | 9.40    | 8.01 | 3.8               | 3.71            | 100.5 |
| 542      | 2/24/2011 3:16  | 9.45   | 48.66  | 31.54        | 9.36    | 8.01 | 2.4               | 3.77            | 100.2 |
| 543      | 2/24/2011 3:31  | 9.45   | 48.77  | 31.62        | 9.36    | 8.01 | 2.4               | 3.81            | 100.3 |
| 544      | 2/24/2011 3:46  | 9.45   | 48.83  | 31.66        | 9.35    | 8.01 | 1.5               | 3.84            | 100.1 |
| 545      | 2/24/2011 4:01  | 9.45   | 48.83  | 31.66        | 9.27    | 8.01 | 1.0               | 3.86            | 99.3  |
| 546      | 2/24/2011 4:16  | 9.45   | 48.76  | 31.61        | 9.37    | 8.03 | 0.9               | 3.86            | 100.4 |
| 547      | 2/24/2011 4:31  | 9.45   | 48.86  | 31.68        | 9.36    | 8.01 | 2.4               | 3.82            | 100.3 |
| 548      | 2/24/2011 4:46  | 9.35   | 47.77  | 30.89        | 9.37    | 8.01 | 2.0               | 3.78            | 99.6  |
| 549      | 2/24/2011 5:01  | 9.30   | 47.36  | 30.60        | 9.39    | 8.03 | 1.5               | 3.75            | 99.6  |
| 550      | 2/24/2011 5:16  | 9.29   | 47.14  | 30.44        | 9.39    | 8.03 | 1.4               | 3.65            | 99.5  |
| 551      | 2/24/2011 5:31  | 9.29   | 47.19  | 30.47        | 9.38    | 8.03 | 1.9               | 3.56            | 99.4  |
| 552      | 2/24/2011 5:46  | 9.35   | 47.38  | 30.61        | 9.40    | 8.03 | 3.2               | 3.50            | 99.8  |
| 553      | 2/24/2011 6:01  | 9.31   | 46.93  | 30.29        | 9.36    | 8.03 | 1.4               | 3.40            | 99.1  |
| 554      | 2/24/2011 6:16  | 9.31   | 46.70  | 30.12        | 9.37    | 8.01 | 1.8               | 3.30            | 99.1  |
| 555      | 2/24/2011 6:31  | 9.27   | 46.24  | 29.79        | 9.40    | 8.04 | 1.6               | 3.19            | 99.2  |
| 556      | 2/24/2011 6:46  | 9.24   | 45.96  | 29.59        | 9.43    | 8.04 | 0.7               | 3.10            | 99.3  |
| 557      | 2/24/2011 7:01  | 9.23   | 45.53  | 29.28        | 9.47    | 8.05 | 1.2               | 2.99            | 99.5  |
| 558      | 2/24/2011 7:16  | 9.23   | 45.94  | 29.58        | 9.44    | 8.04 | 1.5               | 2.88            | 99.3  |
| 559      | 2/24/2011 7:31  | 9.22   | 46.31  | 29.84        | 9.40    | 8.03 | 0.8               | 2.78            | 99.1  |
| 560      | 2/24/2011 7:46  | 9.21   | 45.45  | 29.23        | 9.50    | 8.05 | 2.4               | 2.66            | 99.7  |
| 561      | 2/24/2011 8:01  | 9.18   | 45.39  | 29.18        | 9.52    | 8.05 | 1.0               | 2.58            | 99.8  |
| 562      | 2/24/2011 8:16  | 9.19   | 44.94  | 28.86        | 9.54    | 8.05 | 0.9               | 2.45            | 99.8  |
| 563      | 2/24/2011 8:31  | 9.12   | 45.14  | 29.00        | 9.50    | 8.05 | 0.6               | 2.32            | 99.4  |
| 564      | 2/24/2011 8:46  | 9.10   | 45.02  | 28.91        | 9.57    | 8.05 | 1.0               | 2.22            | 100.0 |
| 565      | 2/24/2011 9:01  | 9.16   | 44.51  | 28.56        | 9.62    | 8.06 | 1.1               | 2.13            | 100.4 |
| 566      | 2/24/2011 9:16  | 9.12   | 44.48  | 28.53        | 9.68    | 8.05 | 6.6               | 2.00            | 100.9 |
| 567      | 2/24/2011 9:31  | 9.10   | 44.36  | 28.44        | 9.74    | 8.07 | 0.7               | 1.89            | 101.4 |
| 568      | 2/24/2011 9:46  | 9.12   | 44.13  | 28.28        | 9.78    | 8.08 | 0.9               | 1.79            | 101.8 |
| 569      | 2/24/2011 10:01 | 9.15   | 43.99  | 28.18        | 9.79    | 8.09 | 1.0               | 1.73            | 101.9 |
| 570      | 2/24/2011 10:16 | 9.15   | 43.95  | 28.16        | 9.80    | 8.09 | 0.6               | 1.65            | 102.0 |
| 571      | 2/24/2011 10:31 | 9.17   | 43.86  | 28.10        | 9.77    | 8.10 | 0.4               | 1.61            | 101.6 |
| 572      | 2/24/2011 10:46 | 9.18   | 43.82  | 28.07        | 9.64    | 8.10 |                   | 1.59            | 100.4 |
| 573      | 2/24/2011 11:01 | 9.20   | 43.81  | 28.06        | 9.62    | 8.09 |                   | 1.59            | 100.2 |
| 574      | 2/24/2011 11:16 | 9.20   | 43.84  | 28.08        | 9.76    | 8.07 |                   | 1.61            | 101.6 |
| 575      | 2/24/2011 11:31 | 9.20   | 43.91  | 28.14        | 9.71    | 8.08 |                   | 1.62            | 101.2 |
| 576      | 2/24/2011 11:46 | 9.20   | 43.93  | 28.15        | 9.67    | 8.08 |                   | 1.65            | 100.7 |
| 577      | 2/24/2011 12:01 | 9.21   | 43.97  | 28.18        | 9.68    | 8.06 |                   | 1.73            | 100.9 |
| 578      | 2/24/2011 12:16 | 9.21   | 43.81  | 28.06        | 9.68    | 8.07 |                   | 1.78            | 100.8 |
| 579      | 2/24/2011 12:31 | 9.22   | 43.69  | 27.98        | 9.65    | 8.07 |                   | 1.83            | 100.5 |
| 580      | 2/24/2011 12:46 | 9.22   | 43.48  | 27.83        | 9.60    | 8.04 |                   | 1.89            | 99.8  |
| 581      | 2/24/2011 13:01 | 9.22   | 43.64  | 27.94        | 9.56    | 8.04 |                   | 2.00            | 99.5  |
| 582      | 2/24/2011 13:16 | 9.22   | 43.75  | 28.02        | 9.57    | 8.03 |                   | 2.07            | 99.7  |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 583      | 2/24/2011 13:31 | 9.23   | 43.64  | 27.94        | 9.56    | 8.03 |                   | 2.12            | 99.5  |
| 584      | 2/24/2011 13:46 | 9.24   | 43.78  | 28.04        | 9.51    | 8.03 |                   | 2.20            | 99.1  |
| 585      | 2/24/2011 14:01 | 9.25   | 44.16  | 28.31        | 9.52    | 8.03 |                   | 2.28            | 99.5  |
| 586      | 2/24/2011 14:16 | 9.26   | 44.72  | 28.71        | 9.44    | 8.02 |                   | 2.33            | 98.9  |
| 587      | 2/24/2011 14:31 | 9.27   | 45.05  | 28.95        | 9.41    | 8.02 |                   | 2.40            | 98.7  |
| 588      | 2/24/2011 14:46 | 9.28   | 45.24  | 29.08        | 9.46    | 8.02 |                   | 2.48            | 99.3  |
| 589      | 2/24/2011 15:01 | 9.29   | 45.34  | 29.15        | 9.51    | 8.03 |                   | 2.55            | 99.9  |
| 590      | 2/24/2011 15:16 | 9.30   | 45.46  | 29.24        | 9.50    | 8.03 |                   | 2.60            | 99.9  |
| 591      | 2/24/2011 15:31 | 9.30   | 45.58  | 29.33        | 9.49    | 8.02 |                   | 2.68            | 99.9  |
| 592      | 2/24/2011 15:46 | 9.30   | 45.58  | 29.32        | 9.49    | 8.02 |                   | 2.73            | 99.9  |
| 593      | 2/24/2011 16:01 | 9.30   | 45.66  | 29.38        | 9.45    | 8.02 |                   | 2.78            | 99.5  |
| 594      | 2/24/2011 16:16 | 9.30   | 45.78  | 29.46        | 9.46    | 8.02 |                   | 2.84            | 99.6  |
| 595      | 2/24/2011 16:31 | 9.31   | 45.87  | 29.53        | 9.47    | 8.02 |                   | 2.88            | 99.7  |
| 596      | 2/24/2011 16:46 | 9.31   | 45.99  | 29.61        | 9.44    | 8.02 |                   | 2.92            | 99.5  |
| 597      | 2/24/2011 17:01 | 9.31   | 46.09  | 29.69        | 9.42    | 8.02 |                   | 2.97            | 99.3  |
| 598      | 2/24/2011 17:16 | 9.31   | 46.19  | 29.76        | 9.45    | 8.02 |                   | 3.00            | 99.7  |
| 599      | 2/24/2011 17:31 | 9.31   | 46.23  | 29.79        | 9.36    | 8.01 |                   | 3.02            | 98.8  |
| 600      | 2/24/2011 17:46 | 9.31   | 45.95  | 29.59        | 9.37    | 8.02 |                   | 3.04            | 98.8  |
| 601      | 2/24/2011 18:01 | 9.31   | 46.18  | 29.75        | 9.35    | 8.01 |                   | 3.03            | 98.6  |
| 602      | 2/24/2011 18:16 | 9.32   | 46.31  | 29.84        | 9.35    | 8.01 |                   | 3.02            | 98.8  |
| 603      | 2/24/2011 18:31 | 9.28   | 46.18  | 29.75        | 9.37    | 8.02 |                   | 2.99            | 98.8  |
| 604      | 2/24/2011 18:46 | 9.28   | 46.06  | 29.67        | 9.40    | 8.03 |                   | 2.96            | 99.1  |
| 605      | 2/24/2011 19:01 | 9.26   | 45.89  | 29.54        | 9.38    | 8.04 |                   | 2.91            | 98.7  |
| 606      | 2/24/2011 19:16 | 9.26   | 45.61  | 29.34        | 9.48    | 8.03 |                   | 2.87            | 99.7  |
| 607      | 2/24/2011 19:31 | 9.26   | 45.55  | 29.30        | 9.45    | 8.05 |                   | 2.81            | 99.3  |
| 608      | 2/24/2011 19:46 | 9.22   | 45.37  | 29.17        | 9.50    | 8.05 |                   | 2.76            | 99.6  |
| 609      | 2/24/2011 20:01 | 9.16   | 45.38  | 29.17        | 9.46    | 8.05 |                   | 2.71            | 99.1  |
| 610      | 2/24/2011 20:16 | 9.00   | 44.90  | 28.82        | 9.60    | 8.07 |                   | 2.64            | 100.0 |
| 611      | 2/24/2011 20:31 | 8.95   | 44.52  | 28.55        | 9.59    | 8.06 |                   | 2.59            | 99.6  |
| 612      | 2/24/2011 20:46 | 8.99   | 44.43  | 28.48        | 9.59    | 8.06 |                   | 2.54            | 99.6  |
| 613      | 2/24/2011 21:01 | 8.99   | 44.47  | 28.51        | 9.55    | 8.03 |                   | 2.52            | 99.2  |
| 614      | 2/24/2011 21:16 | 9.03   | 44.56  | 28.58        | 9.49    | 8.05 |                   | 2.48            | 98.8  |
| 615      | 2/24/2011 21:31 | 8.98   | 44.43  | 28.49        | 9.49    | 8.06 |                   | 2.43            | 98.6  |
| 616      | 2/24/2011 21:46 | 8.79   | 44.27  | 28.36        | 9.48    | 8.06 |                   | 2.41            | 97.9  |
| 617      | 2/24/2011 22:01 | 8.96   | 44.37  | 28.44        | 9.31    | 8.05 |                   | 2.42            | 96.6  |
| 618      | 2/24/2011 22:16 | 9.11   | 44.72  | 28.70        | 9.32    | 8.04 |                   | 2.40            | 97.2  |
| 619      | 2/24/2011 22:31 | 8.80   | 44.15  | 28.28        | 9.40    | 8.06 |                   | 2.39            | 97.2  |
| 620      | 2/24/2011 22:46 | 8.91   | 44.21  | 28.33        | 9.46    | 8.06 |                   | 2.41            | 98.1  |
| 621      | 2/24/2011 23:01 | 9.06   | 44.45  | 28.50        | 9.40    | 8.05 |                   | 2.44            | 97.8  |
| 622      | 2/24/2011 23:16 | 8.99   | 44.47  | 28.51        | 9.44    | 8.06 |                   | 2.45            | 98.1  |
| 623      | 2/24/2011 23:31 | 9.04   | 44.50  | 28.54        | 9.42    | 8.05 |                   | 2.49            | 98.0  |
| 624      | 2/24/2011 23:46 | 9.05   | 44.46  | 28.51        | 9.51    | 8.05 |                   | 2.55            | 98.9  |
| 625      | 2/25/2011 0:01  | 9.11   | 44.79  | 28.75        | 9.45    | 8.04 |                   | 2.59            | 98.7  |
| 626      | 2/25/2011 0:16  | 9.16   | 45.07  | 28.95        | 9.43    | 8.04 |                   | 2.66            | 98.6  |
| 627      | 2/25/2011 0:31  | 9.10   | 45.10  | 28.97        | 9.51    | 8.05 |                   | 2.70            | 99.3  |
| 628      | 2/25/2011 0:46  | 9.14   | 45.38  | 29.17        | 9.50    | 8.05 |                   | 2.77            | 99.5  |
| 629      | 2/25/2011 1:01  | 9.10   | 45.32  | 29.13        | 9.52    | 8.05 |                   | 2.83            | 99.6  |
| 630      | 2/25/2011 1:16  | 9.08   | 45.51  | 29.26        | 9.53    | 8.05 |                   | 2.89            | 99.7  |
| 631      | 2/25/2011 1:31  | 9.10   | 45.94  | 29.56        | 9.52    | 8.04 |                   | 2.97            | 99.9  |
| 632      | 2/25/2011 1:46  | 9.04   | 45.99  | 29.60        | 9.53    | 8.05 |                   | 3.02            | 99.9  |
| 633      | 2/25/2011 2:01  | 9.05   | 46.16  | 29.72        | 9.52    | 8.04 |                   | 3.10            | 99.9  |
| 634      | 2/25/2011 2:16  | 9.06   | 46.52  | 29.98        | 9.52    | 8.04 |                   | 3.18            | 100.0 |
| 635      | 2/25/2011 2:31  | 9.28   | 47.61  | 30.77        | 9.44    | 8.03 |                   | 3.26            | 100.2 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 636      | 2/25/2011 2:46  | 9.26   | 47.57  | 30.74        | 9.43    | 8.01 |                   | 3.32            | 100.1 |
| 637      | 2/25/2011 3:01  | 9.24   | 47.78  | 30.89        | 9.44    | 8.03 |                   | 3.38            | 100.2 |
| 638      | 2/25/2011 3:16  | 9.23   | 47.94  | 31.00        | 9.45    | 8.03 |                   | 3.48            | 100.3 |
| 639      | 2/25/2011 3:31  | 9.19   | 48.10  | 31.12        | 9.47    | 8.03 |                   | 3.53            | 100.6 |
| 640      | 2/25/2011 3:46  | 9.18   | 48.22  | 31.20        | 9.46    | 8.03 |                   | 3.61            | 100.4 |
| 641      | 2/25/2011 4:01  | 9.18   | 48.32  | 31.27        | 9.46    | 8.02 |                   | 3.65            | 100.5 |
| 642      | 2/25/2011 4:16  | 9.16   | 48.44  | 31.36        | 9.47    | 8.02 |                   | 3.70            | 100.7 |
| 643      | 2/25/2011 4:31  | 9.15   | 48.50  | 31.40        | 9.40    | 8.04 |                   | 3.74            | 99.9  |
| 644      | 2/25/2011 4:46  | 9.13   | 48.61  | 31.48        | 9.40    | 8.03 |                   | 3.74            | 99.9  |
| 645      | 2/25/2011 5:01  | 9.14   | 48.60  | 31.47        | 9.33    | 8.03 |                   | 3.76            | 99.2  |
| 646      | 2/25/2011 5:16  | 9.14   | 48.59  | 31.46        | 9.43    | 8.03 |                   | 3.76            | 100.2 |
| 647      | 2/25/2011 5:31  | 9.05   | 47.77  | 30.87        | 9.34    | 8.03 |                   | 3.72            | 98.7  |
| 648      | 2/25/2011 5:46  | 8.89   | 46.98  | 30.29        | 9.40    | 8.03 |                   | 3.68            | 98.7  |
| 649      | 2/25/2011 6:01  | 9.04   | 47.70  | 30.82        | 9.44    | 8.03 |                   | 3.65            | 99.7  |
| 650      | 2/25/2011 6:16  | 8.96   | 47.14  | 30.41        | 9.36    | 8.03 |                   | 3.58            | 98.5  |
| 651      | 2/25/2011 6:31  | 8.78   | 46.40  | 29.87        | 9.42    | 8.03 |                   | 3.52            | 98.3  |
| 652      | 2/25/2011 6:46  | 8.94   | 46.86  | 30.21        | 9.38    | 8.03 |                   | 3.44            | 98.4  |
| 653      | 2/25/2011 7:01  | 8.97   | 46.91  | 30.25        | 9.39    | 8.03 |                   | 3.36            | 98.6  |
| 654      | 2/25/2011 7:16  | 8.95   | 46.88  | 30.23        | 9.40    | 8.03 |                   | 3.28            | 98.7  |
| 655      | 2/25/2011 7:31  | 8.86   | 46.41  | 29.89        | 9.38    | 8.03 |                   | 3.18            | 98.1  |
| 656      | 2/25/2011 7:46  | 8.75   | 46.05  | 29.62        | 9.41    | 8.03 |                   | 3.09            | 98.0  |
| 657      | 2/25/2011 8:01  | 8.73   | 45.87  | 29.49        | 9.45    | 8.04 |                   | 3.01            | 98.3  |
| 658      | 2/25/2011 8:16  | 8.81   | 46.39  | 29.86        | 9.45    | 8.03 |                   | 2.89            | 98.7  |
| 659      | 2/25/2011 8:31  | 8.78   | 46.08  | 29.64        | 9.54    | 8.04 |                   | 2.81            | 99.4  |
| 660      | 2/25/2011 8:46  | 8.74   | 45.78  | 29.43        | 9.59    | 8.05 |                   | 2.71            | 99.8  |
| 661      | 2/25/2011 9:01  | 8.76   | 45.61  | 29.31        | 9.67    | 8.05 |                   | 2.60            | 100.5 |
| 662      | 2/25/2011 9:16  | 8.83   | 45.36  | 29.13        | 9.79    | 8.06 |                   | 2.48            | 101.8 |
| 663      | 2/25/2011 9:31  | 8.88   | 45.08  | 28.94        | 9.83    | 8.07 |                   | 2.40            | 102.2 |
| 664      | 2/25/2011 9:46  | 8.83   | 44.84  | 28.76        | 9.99    | 8.09 |                   | 2.28            | 103.6 |
| 665      | 2/25/2011 10:01 | 8.85   | 45.00  | 28.88        | 10.22   | 8.10 |                   | 2.17            | 106.2 |
| 666      | 2/25/2011 10:16 | 8.84   | 44.82  | 28.75        | 10.28   | 8.12 |                   | 2.07            | 106.6 |
| 667      | 2/25/2011 10:31 | 8.82   | 44.52  | 28.54        | 10.37   | 8.13 |                   | 1.97            | 107.3 |
| 668      | 2/25/2011 10:46 | 8.83   | 44.38  | 28.44        | 10.44   | 8.14 |                   | 1.85            | 108.1 |
| 669      | 2/25/2011 11:01 | 8.89   | 44.20  | 28.32        | 10.25   | 8.13 |                   | 1.77            | 106.1 |
| 670      | 2/25/2011 11:16 | 8.89   | 44.11  | 28.26        | 10.27   | 8.13 |                   | 1.72            | 106.3 |
| 671      | 2/25/2011 11:31 | 8.91   | 44.03  | 28.19        | 10.35   | 8.15 |                   | 1.66            | 107.2 |
| 672      | 2/25/2011 11:46 | 8.83   | 44.03  | 28.19        | 10.20   | 8.13 |                   | 1.62            | 105.4 |
| 673      | 2/25/2011 12:01 | 8.76   | 44.14  | 28.27        | 9.88    | 8.11 |                   | 1.58            | 102.0 |
| 674      | 2/25/2011 12:16 | 8.76   | 44.31  | 28.39        | 9.71    | 8.09 |                   | 1.59            | 100.4 |
| 675      | 2/25/2011 12:31 | 8.78   | 44.36  | 28.42        | 9.70    | 8.08 |                   | 1.59            | 100.3 |
| 676      | 2/25/2011 12:46 | 8.84   | 44.34  | 28.41        | 9.83    | 8.09 |                   | 1.62            | 101.8 |
| 677      | 2/25/2011 13:01 | 8.88   | 44.37  | 28.44        | 9.91    | 8.09 |                   | 1.67            | 102.7 |
| 678      | 2/25/2011 13:16 | 8.96   | 44.32  | 28.41        | 9.95    | 8.10 |                   | 1.73            | 103.3 |
| 679      | 2/25/2011 13:31 | 8.91   | 43.54  | 27.85        | 9.94    | 8.09 |                   | 1.77            | 102.7 |
| 680      | 2/25/2011 13:46 | 8.88   | 43.76  | 28.01        | 9.89    | 8.09 |                   | 1.84            | 102.2 |
| 681      | 2/25/2011 14:01 | 8.88   | 43.91  | 28.11        | 9.81    | 8.09 |                   | 1.91            | 101.4 |
| 682      | 2/25/2011 14:16 | 8.88   | 43.91  | 28.11        | 9.87    | 8.09 |                   | 1.97            | 102.0 |
| 683      | 2/25/2011 14:31 | 8.90   | 43.87  | 28.08        | 9.80    | 8.08 |                   | 2.04            | 101.4 |
| 684      | 2/25/2011 14:46 | 8.89   | 43.98  | 28.16        | 9.77    | 8.07 |                   | 2.11            | 101.1 |
| 685      | 2/25/2011 15:01 | 8.89   | 44.11  | 28.25        | 9.71    | 8.07 |                   | 2.16            | 100.5 |
| 686      | 2/25/2011 15:16 | 8.90   | 44.46  | 28.50        | 9.63    | 8.04 |                   | 2.26            | 99.9  |
| 687      | 2/25/2011 15:31 | 8.90   | 44.89  | 28.80        | 9.55    | 8.05 |                   | 2.31            | 99.2  |
| 688      | 2/25/2011 15:46 | 8.90   | 45.16  | 29.00        | 9.50    | 8.04 |                   | 2.36            | 98.8  |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 689      | 2/25/2011 16:01 | 8.91   | 45.19  | 29.02        | 9.50    | 8.04 |                   | 2.43            | 98.9 |
| 690      | 2/25/2011 16:16 | 8.91   | 45.20  | 29.02        | 9.55    | 8.02 |                   | 2.50            | 99.4 |
| 691      | 2/25/2011 16:31 | 8.93   | 45.20  | 29.03        | 9.53    | 8.05 |                   | 2.56            | 99.2 |
| 692      | 2/25/2011 16:46 | 8.94   | 45.09  | 28.95        | 9.58    | 8.05 |                   | 2.62            | 99.8 |
| 693      | 2/25/2011 17:01 | 8.91   | 45.27  | 29.07        | 9.58    | 8.03 |                   | 2.68            | 99.7 |
| 694      | 2/25/2011 17:16 | 8.89   | 45.63  | 29.33        | 9.49    | 8.02 |                   | 2.74            | 98.9 |
| 695      | 2/25/2011 17:31 | 8.91   | 45.73  | 29.40        | 9.49    | 8.04 |                   | 2.80            | 99.0 |
| 696      | 2/25/2011 17:46 | 8.92   | 45.84  | 29.48        | 9.46    | 8.04 |                   | 2.84            | 98.8 |
| 697      | 2/25/2011 18:01 | 8.92   | 45.90  | 29.52        | 9.44    | 8.02 |                   | 2.89            | 98.6 |
| 698      | 2/25/2011 18:16 | 8.93   | 45.92  | 29.54        | 9.43    | 8.02 |                   | 2.94            | 98.5 |
| 699      | 2/25/2011 18:31 | 8.94   | 45.98  | 29.58        | 9.43    | 8.02 |                   | 2.97            | 98.5 |
| 700      | 2/25/2011 18:46 | 8.94   | 46.04  | 29.63        | 9.38    | 8.04 |                   | 3.01            | 98.1 |
| 701      | 2/25/2011 19:01 | 8.91   | 45.88  | 29.51        | 9.55    | 8.07 |                   | 3.03            | 99.7 |
| 702      | 2/25/2011 19:16 | 8.49   | 45.20  | 29.00        | 9.67    | 8.06 |                   | 3.01            | 99.8 |
| 703      | 2/25/2011 19:31 | 8.76   | 46.02  | 29.60        | 9.50    | 8.04 |                   | 3.00            | 98.9 |
| 704      | 2/25/2011 19:46 | 8.89   | 45.99  | 29.59        | 9.45    | 8.04 |                   | 2.99            | 98.7 |
| 705      | 2/25/2011 20:01 | 8.68   | 45.40  | 29.15        | 9.56    | 8.06 |                   | 2.97            | 99.1 |
| 706      | 2/25/2011 20:16 | 8.40   | 45.26  | 29.03        | 9.61    | 8.04 |                   | 2.91            | 98.9 |
| 707      | 2/25/2011 20:31 | 8.53   | 45.54  | 29.24        | 9.58    | 8.05 |                   | 2.89            | 99.0 |
| 708      | 2/25/2011 20:46 | 8.38   | 45.47  | 29.18        | 9.54    | 8.05 |                   | 2.82            | 98.2 |
| 709      | 2/25/2011 21:01 | 8.38   | 45.46  | 29.17        | 9.59    | 8.05 |                   | 2.78            | 98.7 |
| 710      | 2/25/2011 21:16 | 8.36   | 44.82  | 28.72        | 9.68    | 8.05 |                   | 2.76            | 99.3 |
| 711      | 2/25/2011 21:31 | 8.32   | 44.74  | 28.66        | 9.64    | 8.05 |                   | 2.70            | 98.8 |
| 712      | 2/25/2011 21:46 | 8.27   | 44.94  | 28.80        | 9.62    | 8.05 |                   | 2.67            | 98.5 |
| 713      | 2/25/2011 22:01 | 8.27   | 44.80  | 28.70        | 9.62    | 8.06 |                   | 2.63            | 98.5 |
| 714      | 2/25/2011 22:16 | 8.23   | 44.78  | 28.68        | 9.58    | 8.06 |                   | 2.59            | 98.0 |
| 715      | 2/25/2011 22:31 | 8.22   | 44.72  | 28.64        | 9.55    | 8.06 |                   | 2.57            | 97.6 |
| 716      | 2/25/2011 22:46 | 8.23   | 44.64  | 28.58        | 9.57    | 8.06 |                   | 2.53            | 97.8 |
| 717      | 2/25/2011 23:01 | 8.31   | 44.41  | 28.43        | 9.60    | 8.06 |                   | 2.51            | 98.3 |
| 718      | 2/25/2011 23:16 | 8.39   | 44.43  | 28.45        | 9.58    | 8.05 |                   | 2.49            | 98.2 |
| 719      | 2/25/2011 23:31 | 8.42   | 44.68  | 28.63        | 9.35    | 8.04 |                   | 2.48            | 96.1 |
| 720      | 2/25/2011 23:46 | 8.31   | 44.57  | 28.54        | 9.44    | 8.05 |                   | 2.48            | 96.6 |
| 721      | 2/26/2011 0:01  | 8.30   | 44.49  | 28.48        | 9.49    | 8.05 |                   | 2.49            | 97.0 |
| 722      | 2/26/2011 0:16  | 8.15   | 44.37  | 28.38        | 9.53    | 8.05 |                   | 2.50            | 97.1 |
| 723      | 2/26/2011 0:31  | 8.53   | 44.75  | 28.68        | 9.53    | 8.05 |                   | 2.53            | 98.2 |
| 724      | 2/26/2011 0:46  | 8.61   | 44.92  | 28.81        | 9.53    | 8.05 |                   | 2.57            | 98.4 |
| 725      | 2/26/2011 1:01  | 8.27   | 44.53  | 28.51        | 9.60    | 8.05 |                   | 2.59            | 98.2 |
| 726      | 2/26/2011 1:16  | 8.34   | 44.50  | 28.49        | 9.61    | 8.05 |                   | 2.63            | 98.4 |
| 727      | 2/26/2011 1:31  | 8.62   | 45.06  | 28.91        | 9.55    | 8.05 |                   | 2.70            | 98.6 |
| 728      | 2/26/2011 1:46  | 8.63   | 45.12  | 28.95        | 9.59    | 8.05 |                   | 2.74            | 99.2 |
| 729      | 2/26/2011 2:01  | 8.65   | 45.26  | 29.05        | 9.56    | 8.05 |                   | 2.80            | 99.0 |
| 730      | 2/26/2011 2:16  | 8.65   | 45.36  | 29.12        | 9.57    | 8.05 |                   | 2.86            | 99.1 |
| 731      | 2/26/2011 2:31  | 8.66   | 45.48  | 29.21        | 9.56    | 8.05 |                   | 2.92            | 99.1 |
| 732      | 2/26/2011 2:46  | 8.56   | 45.54  | 29.25        | 9.58    | 8.05 |                   | 2.98            | 99.1 |
| 733      | 2/26/2011 3:01  | 8.56   | 45.94  | 29.53        | 9.58    | 8.05 |                   | 3.05            | 99.3 |
| 734      | 2/26/2011 3:16  | 8.41   | 45.86  | 29.46        | 9.65    | 8.06 |                   | 3.10            | 99.6 |
| 735      | 2/26/2011 3:31  | 8.46   | 45.98  | 29.55        | 9.63    | 8.05 |                   | 3.16            | 99.6 |
| 736      | 2/26/2011 3:46  | 8.52   | 46.19  | 29.70        | 9.62    | 8.03 |                   | 3.23            | 99.7 |
| 737      | 2/26/2011 4:01  | 8.49   | 46.20  | 29.71        | 9.60    | 8.05 |                   | 3.30            | 99.4 |
| 738      | 2/26/2011 4:16  | 8.66   | 46.58  | 29.99        | 9.55    | 8.04 |                   | 3.35            | 99.4 |
| 739      | 2/26/2011 4:31  | 8.86   | 47.37  | 30.57        | 9.49    | 8.04 |                   | 3.41            | 99.7 |
| 740      | 2/26/2011 4:46  | 8.88   | 47.68  | 30.79        | 9.48    | 8.04 |                   | 3.47            | 99.7 |
| 741      | 2/26/2011 5:01  | 9.02   | 48.11  | 31.11        | 9.45    | 8.04 |                   | 3.51            | 99.9 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 742      | 2/26/2011 5:16  | 9.03   | 48.22  | 31.19        | 9.47    | 8.03 |                   | 3.54            | 100.3 |
| 743      | 2/26/2011 5:31  | 9.03   | 48.28  | 31.23        | 9.49    | 8.04 |                   | 3.60            | 100.4 |
| 744      | 2/26/2011 5:46  | 9.01   | 48.31  | 31.26        | 9.50    | 8.05 |                   | 3.62            | 100.5 |
| 745      | 2/26/2011 6:01  | 8.98   | 48.19  | 31.16        | 9.45    | 8.05 |                   | 3.64            | 99.9  |
| 746      | 2/26/2011 6:16  | 8.99   | 48.32  | 31.26        | 9.53    | 8.01 |                   | 3.65            | 100.8 |
| 747      | 2/26/2011 6:31  | 9.00   | 48.31  | 31.25        | 9.48    | 8.04 |                   | 3.66            | 100.3 |
| 748      | 2/26/2011 6:46  | 9.00   | 48.32  | 31.26        | 9.42    | 8.04 |                   | 3.60            | 99.7  |
| 749      | 2/26/2011 7:01  | 9.00   | 48.27  | 31.22        | 9.45    | 8.04 |                   | 3.56            | 100.0 |
| 750      | 2/26/2011 7:16  | 8.82   | 47.52  | 30.68        | 9.46    | 8.04 |                   | 3.52            | 99.3  |
| 751      | 2/26/2011 7:31  | 8.77   | 47.10  | 30.37        | 9.46    | 8.04 |                   | 3.44            | 99.0  |
| 752      | 2/26/2011 7:46  | 8.55   | 46.62  | 30.01        | 9.53    | 8.04 |                   | 3.38            | 99.0  |
| 753      | 2/26/2011 8:01  | 8.26   | 45.97  | 29.53        | 9.53    | 8.04 |                   | 3.32            | 98.1  |
| 754      | 2/26/2011 8:16  | 8.30   | 45.87  | 29.46        | 9.51    | 8.04 |                   | 3.22            | 98.0  |
| 755      | 2/26/2011 8:31  | 8.27   | 45.66  | 29.31        | 9.53    | 8.05 |                   | 3.17            | 98.0  |
| 756      | 2/26/2011 8:46  | 8.17   | 45.81  | 29.40        | 9.69    | 8.05 |                   | 3.08            | 99.5  |
| 757      | 2/26/2011 9:01  | 8.22   | 45.72  | 29.35        | 9.72    | 8.06 |                   | 2.99            | 99.8  |
| 758      | 2/26/2011 9:16  | 8.29   | 45.75  | 29.37        | 9.75    | 8.06 |                   | 2.90            | 100.3 |
| 759      | 2/26/2011 9:31  | 8.31   | 45.54  | 29.23        | 9.82    | 8.06 |                   | 2.80            | 101.0 |
| 760      | 2/26/2011 9:46  | 8.28   | 45.33  | 29.07        | 9.89    | 8.07 |                   | 2.72            | 101.6 |
| 761      | 2/26/2011 10:01 | 8.39   | 45.43  | 29.15        | 10.02   | 8.08 |                   | 2.61            | 103.2 |
| 762      | 2/26/2011 10:16 | 8.34   | 45.00  | 28.85        | 10.08   | 8.09 |                   | 2.50            | 103.5 |
| 763      | 2/26/2011 10:31 | 8.33   | 44.78  | 28.69        | 10.18   | 8.10 |                   | 2.41            | 104.4 |
| 764      | 2/26/2011 10:46 | 8.58   | 44.90  | 28.79        | 10.52   | 8.12 |                   | 2.32            | 108.5 |
| 765      | 2/26/2011 11:01 | 8.93   | 45.00  | 28.89        | 10.83   | 8.14 |                   | 2.19            | 112.6 |
| 766      | 2/26/2011 11:16 | 8.89   | 44.69  | 28.66        | 10.60   | 8.13 |                   | 2.09            | 110.1 |
| 767      | 2/26/2011 11:31 | 8.75   | 44.54  | 28.55        | 10.43   | 8.12 |                   | 2.00            | 107.8 |
| 768      | 2/26/2011 11:46 | 9.11   | 44.47  | 28.52        | 10.76   | 8.15 |                   | 1.88            | 112.1 |
| 769      | 2/26/2011 12:01 | 9.05   | 44.41  | 28.48        | 10.71   | 8.14 |                   | 1.79            | 111.5 |
| 770      | 2/26/2011 12:16 | 9.14   | 44.37  | 28.46        | 10.78   | 8.16 |                   | 1.71            | 112.3 |
| 771      | 2/26/2011 12:31 | 9.04   | 44.32  | 28.41        | 10.79   | 8.16 |                   | 1.65            | 112.2 |
| 772      | 2/26/2011 12:46 | 8.90   | 44.27  | 28.37        | 10.64   | 8.16 |                   | 1.61            | 110.3 |
| 773      | 2/26/2011 13:01 | 8.88   | 44.15  | 28.28        | 10.63   | 8.16 |                   | 1.57            | 110.1 |
| 774      | 2/26/2011 13:16 | 9.16   | 44.28  | 28.39        | 10.54   | 8.15 |                   | 1.56            | 109.9 |
| 775      | 2/26/2011 13:31 | 8.73   | 44.30  | 28.38        | 10.25   | 8.11 |                   | 1.57            | 105.8 |
| 776      | 2/26/2011 13:46 | 8.80   | 44.31  | 28.39        | 10.35   | 8.13 |                   | 1.61            | 107.1 |
| 777      | 2/26/2011 14:01 | 8.85   | 44.36  | 28.43        | 10.39   | 8.11 |                   | 1.63            | 107.5 |
| 778      | 2/26/2011 14:16 | 8.94   | 44.36  | 28.43        | 10.34   | 8.13 |                   | 1.67            | 107.3 |
| 779      | 2/26/2011 14:31 | 8.91   | 43.87  | 28.08        | 10.33   | 8.13 |                   | 1.73            | 106.9 |
| 780      | 2/26/2011 14:46 | 8.82   | 44.06  | 28.21        | 10.16   | 8.09 |                   | 1.76            | 105.0 |
| 781      | 2/26/2011 15:01 | 8.82   | 44.05  | 28.21        | 10.19   | 8.12 |                   | 1.83            | 105.3 |
| 782      | 2/26/2011 15:16 | 8.78   | 44.08  | 28.22        | 10.17   | 8.09 |                   | 1.89            | 105.0 |
| 783      | 2/26/2011 15:31 | 8.71   | 44.02  | 28.18        | 10.18   | 8.09 |                   | 1.96            | 104.9 |
| 784      | 2/26/2011 15:46 | 8.67   | 44.05  | 28.20        | 10.11   | 8.11 |                   | 2.01            | 104.1 |
| 785      | 2/26/2011 16:01 | 8.67   | 43.96  | 28.13        | 10.07   | 8.10 |                   | 2.06            | 103.6 |
| 786      | 2/26/2011 16:16 | 8.65   | 44.03  | 28.18        | 10.08   | 8.10 |                   | 2.15            | 103.8 |
| 787      | 2/26/2011 16:31 | 8.58   | 44.23  | 28.32        | 9.94    | 8.07 |                   | 2.22            | 102.2 |
| 788      | 2/26/2011 16:46 | 8.55   | 44.35  | 28.40        | 9.88    | 8.06 |                   | 2.27            | 101.6 |
| 789      | 2/26/2011 17:01 | 8.55   | 44.71  | 28.65        | 9.79    | 8.05 |                   | 2.36            | 100.8 |
| 790      | 2/26/2011 17:16 | 8.52   | 45.11  | 28.94        | 9.72    | 8.07 |                   | 2.44            | 100.2 |
| 791      | 2/26/2011 17:31 | 8.48   | 45.19  | 28.99        | 9.72    | 8.07 |                   | 2.50            | 100.2 |
| 792      | 2/26/2011 17:46 | 8.46   | 45.25  | 29.03        | 9.72    | 8.07 |                   | 2.57            | 100.2 |
| 793      | 2/26/2011 18:01 | 8.46   | 45.23  | 29.02        | 9.72    | 8.05 |                   | 2.63            | 100.2 |
| 794      | 2/26/2011 18:16 | 8.46   | 45.36  | 29.11        | 9.69    | 8.04 |                   | 2.70            | 99.9  |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 795      | 2/26/2011 18:31 | 8.46   | 45.45           | 29.17        | 9.64            | 8.06 |                   | 2.76            | 99.4  |
| 796      | 2/26/2011 18:46 | 8.46   | 45.39           | 29.13        | 9.63            | 8.06 |                   | 2.80            | 99.3  |
| 797      | 2/26/2011 19:01 | 8.47   | 45.48           | 29.19        | 9.61            | 8.04 |                   | 2.86            | 99.2  |
| 798      | 2/26/2011 19:16 | 8.49   | 45.65           | 29.32        | 9.57            | 8.04 |                   | 2.91            | 98.9  |
| 799      | 2/26/2011 19:31 | 8.49   | 45.64           | 29.31        | 9.60            | 8.06 |                   | 2.95            | 99.1  |
| 800      | 2/26/2011 19:46 | 8.50   | 45.64           | 29.31        | 9.56            | 8.03 |                   | 2.99            | 98.8  |
| 801      | 2/26/2011 20:01 | 8.53   | 45.73           | 29.37        | 9.45            | 8.03 |                   | 3.01            | 97.8  |
| 802      | 2/26/2011 20:16 | 8.53   | 45.82           | 29.44        | 9.52            | 8.03 |                   | 3.04            | 98.5  |
| 803      | 2/26/2011 20:31 | 8.52   | 45.72           | 29.37        | 9.46            | 8.03 |                   | 3.05            | 97.8  |
| 804      | 2/26/2011 20:46 | 8.51   | 45.69           | 29.34        | 9.44            | 8.03 |                   | 3.05            | 97.6  |
| 805      | 2/26/2011 21:01 | 8.24   | 45.49           | 29.18        | 9.63            | 8.05 |                   | 3.04            | 98.9  |
| 806      | 2/26/2011 21:16 | 8.56   | 45.93           | 29.52        | 9.50            | 8.05 |                   | 3.02            | 98.4  |
| 807      | 2/26/2011 21:31 | 8.53   | 45.80           | 29.43        | 9.55            | 8.05 |                   | 2.98            | 98.8  |
| 808      | 2/26/2011 21:46 | 8.48   | 45.51           | 29.21        | 9.55            | 8.03 |                   | 2.95            | 98.6  |
| 809      | 2/26/2011 22:01 | 8.44   | 45.24           | 29.02        | 9.63            | 8.03 |                   | 2.90            | 99.2  |
| 810      | 2/26/2011 22:16 | 8.33   | 44.91           | 28.78        | 9.68            | 8.06 |                   | 2.86            | 99.2  |
| 811      | 2/26/2011 22:31 | 8.24   | 44.80           | 28.70        | 9.68            | 8.04 |                   | 2.81            | 99.0  |
| 812      | 2/26/2011 22:46 | 8.15   | 44.74           | 28.65        | 9.68            | 8.04 |                   | 2.77            | 98.8  |
| 813      | 2/26/2011 23:01 | 8.04   | 44.88           | 28.74        | 9.65            | 8.04 |                   | 2.72            | 98.3  |
| 814      | 2/26/2011 23:16 | 8.01   | 44.85           | 28.71        | 9.62            | 8.04 |                   | 2.67            | 97.9  |
| 815      | 2/26/2011 23:31 | 7.95   | 44.87           | 28.72        | 9.57            | 8.06 |                   | 2.63            | 97.3  |
| 816      | 2/26/2011 23:46 | 7.94   | 44.73           | 28.62        | 9.61            | 8.03 |                   | 2.60            | 97.6  |
| 817      | 2/27/2011 0:01  | 7.94   | 44.50           | 28.46        | 9.66            | 8.07 |                   | 2.57            | 98.0  |
| 818      | 2/27/2011 0:16  | 7.90   | 44.51           | 28.46        | 9.61            | 8.05 |                   | 2.53            | 97.4  |
| 819      | 2/27/2011 0:31  | 7.95   | 44.45           | 28.43        | 9.62            | 8.04 |                   | 2.52            | 97.6  |
| 820      | 2/27/2011 0:46  | 7.98   | 44.63           | 28.56        | 9.42            | 8.05 |                   | 2.50            | 95.8  |
| 821      | 2/27/2011 1:01  | 8.11   | 44.81           | 28.70        | 9.52            | 8.06 |                   | 2.50            | 97.1  |
| 822      | 2/27/2011 1:16  | 8.13   | 44.80           | 28.68        | 9.46            | 8.06 |                   | 2.50            | 96.5  |
| 823      | 2/27/2011 1:31  | 7.95   | 44.38           | 28.37        | 9.60            | 8.06 |                   | 2.52            | 97.4  |
| 824      | 2/27/2011 1:46  | 8.21   | 44.67           | 28.60        | 9.59            | 8.04 |                   | 2.54            | 98.0  |
| 825      | 2/27/2011 2:01  | 8.29   | 44.82           | 28.71        | 9.67            | 8.04 |                   | 2.57            | 99.0  |
| 826      | 2/27/2011 2:16  | 8.29   | 44.81           | 28.71        | 9.65            | 8.04 |                   | 2.61            | 98.8  |
| 827      | 2/27/2011 2:31  | 8.19   | 44.63           | 28.57        | 9.64            | 8.06 |                   | 2.65            | 98.4  |
| 828      | 2/27/2011 2:46  | 8.33   | 44.98           | 28.83        | 9.61            | 8.06 |                   | 2.69            | 98.6  |
| 829      | 2/27/2011 3:01  | 8.34   | 45.00           | 28.84        | 9.66            | 8.06 |                   | 2.76            | 99.1  |
| 830      | 2/27/2011 3:16  | 8.41   | 45.31           | 29.07        | 9.65            | 8.06 |                   | 2.80            | 99.3  |
| 831      | 2/27/2011 3:31  | 8.39   | 45.22           | 29.01        | 9.67            | 8.07 |                   | 2.85            | 99.4  |
| 832      | 2/27/2011 3:46  | 8.40   | 45.37           | 29.11        | 9.66            | 8.06 |                   | 2.92            | 99.5  |
| 833      | 2/27/2011 4:01  | 8.32   | 45.47           | 29.17        | 9.68            | 8.06 |                   | 2.97            | 99.6  |
| 834      | 2/27/2011 4:16  | 8.20   | 45.65           | 29.29        | 9.74            | 8.07 |                   | 3.03            | 100.0 |
| 835      | 2/27/2011 4:31  | 8.18   | 45.84           | 29.43        | 9.78            | 8.07 |                   | 3.10            | 100.4 |
| 836      | 2/27/2011 4:46  | 8.19   | 45.98           | 29.53        | 9.73            | 8.07 |                   | 3.16            | 100.0 |
| 837      | 2/27/2011 5:01  | 8.21   | 45.94           | 29.50        | 9.76            | 8.08 |                   | 3.23            | 100.3 |
| 838      | 2/27/2011 5:16  | 8.38   | 46.28           | 29.76        | 9.66            | 8.06 |                   | 3.28            | 99.8  |
| 839      | 2/27/2011 5:31  | 8.67   | 47.37           | 30.55        | 9.53            | 8.05 |                   | 3.34            | 99.7  |
| 840      | 2/27/2011 5:46  | 8.67   | 47.54           | 30.68        | 9.51            | 8.05 |                   | 3.41            | 99.5  |
| 841      | 2/27/2011 6:01  | 8.70   | 47.72           | 30.81        | 9.49            | 8.05 |                   | 3.46            | 99.4  |
| 842      | 2/27/2011 6:16  | 8.77   | 48.05           | 31.05        | 9.40            | 8.04 |                   | 3.51            | 98.8  |
| 843      | 2/27/2011 6:31  | 8.87   | 48.35           | 31.27        | 9.32            | 8.04 |                   | 3.56            | 98.4  |
| 844      | 2/27/2011 6:46  | 8.90   | 48.62           | 31.47        | 9.33            | 8.01 |                   | 3.59            | 98.7  |
| 845      | 2/27/2011 7:01  | 8.87   | 48.64           | 31.48        | 9.32            | 8.04 |                   | 3.62            | 98.5  |
| 846      | 2/27/2011 7:16  | 8.81   | 48.45           | 31.34        | 9.28            | 8.01 |                   | 3.65            | 97.8  |
| 847      | 2/27/2011 7:31  | 8.88   | 48.62           | 31.47        | 9.30            | 8.03 |                   | 3.63            | 98.2  |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 848      | 2/27/2011 7:46  | 8.88   | 48.70  | 31.52        | 9.29    | 8.03 |                   | 3.62            | 98.2  |
| 849      | 2/27/2011 8:01  | 8.88   | 48.66  | 31.49        | 9.34    | 8.04 |                   | 3.60            | 98.7  |
| 850      | 2/27/2011 8:16  | 8.77   | 47.94  | 30.97        | 9.41    | 8.04 |                   | 3.54            | 98.9  |
| 851      | 2/27/2011 8:31  | 8.72   | 47.78  | 30.85        | 9.42    | 8.01 |                   | 3.48            | 98.8  |
| 852      | 2/27/2011 8:46  | 8.22   | 46.56  | 29.94        | 9.64    | 8.06 |                   | 3.41            | 99.4  |
| 853      | 2/27/2011 9:01  | 8.39   | 46.74  | 30.09        | 9.62    | 8.05 |                   | 3.34            | 99.7  |
| 854      | 2/27/2011 9:16  | 8.35   | 46.52  | 29.92        | 9.64    | 8.06 |                   | 3.26            | 99.7  |
| 855      | 2/27/2011 9:31  | 8.45   | 46.66  | 30.03        | 9.64    | 8.06 |                   | 3.17            | 99.9  |
| 856      | 2/27/2011 9:46  | 8.29   | 46.19  | 29.68        | 9.72    | 8.03 |                   | 3.08            | 100.3 |
| 857      | 2/27/2011 10:01 | 8.24   | 45.72  | 29.34        | 10.03   | 8.08 |                   | 3.00            | 103.1 |
| 858      | 2/27/2011 10:16 | 8.29   | 45.64  | 29.29        | 10.09   | 8.09 |                   | 2.91            | 103.8 |
| 859      | 2/27/2011 10:31 | 8.32   | 45.32  | 29.07        | 10.17   | 8.10 |                   | 2.81            | 104.5 |
| 860      | 2/27/2011 10:46 | 8.37   | 45.14  | 28.94        | 10.18   | 8.11 |                   | 2.71            | 104.7 |
| 861      | 2/27/2011 11:01 | 8.29   | 44.81  | 28.71        | 10.37   | 8.12 |                   | 2.61            | 106.2 |
| 862      | 2/27/2011 11:16 | 8.48   | 44.89  | 28.77        | 10.50   | 8.13 |                   | 2.51            | 108.1 |
| 863      | 2/27/2011 11:31 | 8.58   | 44.82  | 28.73        | 10.43   | 8.14 |                   | 2.39            | 107.6 |
| 864      | 2/27/2011 11:46 | 8.61   | 44.69  | 28.64        | 10.69   | 8.15 |                   | 2.28            | 110.3 |
| 865      | 2/27/2011 12:01 | 8.60   | 44.61  | 28.58        | 10.59   | 8.15 |                   | 2.17            | 109.2 |
| 866      | 2/27/2011 12:16 | 8.76   | 44.63  | 28.62        | 10.83   | 8.16 |                   | 2.06            | 112.0 |
| 867      | 2/27/2011 12:31 | 8.92   | 44.57  | 28.58        | 10.96   | 8.18 |                   | 1.95            | 113.8 |
| 868      | 2/27/2011 12:46 | 8.85   | 44.55  | 28.56        | 11.05   | 8.18 |                   | 1.84            | 114.5 |
| 869      | 2/27/2011 13:01 | 8.92   | 44.49  | 28.52        | 10.98   | 8.19 |                   | 1.75            | 113.9 |
| 870      | 2/27/2011 13:16 | 8.78   | 44.45  | 28.49        | 10.93   | 8.16 |                   | 1.67            | 113.1 |
| 871      | 2/27/2011 13:31 | 8.72   | 44.43  | 28.47        | 10.88   | 8.16 |                   | 1.61            | 112.3 |
| 872      | 2/27/2011 13:46 | 8.67   | 44.37  | 28.42        | 10.81   | 8.18 |                   | 1.55            | 111.5 |
| 873      | 2/27/2011 14:01 | 8.63   | 44.30  | 28.37        | 10.82   | 8.15 |                   | 1.54            | 111.5 |
| 874      | 2/27/2011 14:16 | 8.69   | 44.37  | 28.43        | 10.83   | 8.16 |                   | 1.54            | 111.7 |
| 875      | 2/27/2011 14:31 | 8.65   | 44.34  | 28.40        | 10.75   | 8.17 |                   | 1.53            | 110.8 |
| 876      | 2/27/2011 14:46 | 8.59   | 44.36  | 28.41        | 10.67   | 8.17 |                   | 1.56            | 109.9 |
| 877      | 2/27/2011 15:01 | 8.55   | 44.33  | 28.39        | 10.66   | 8.15 |                   | 1.60            | 109.6 |
| 878      | 2/27/2011 15:16 | 8.57   | 43.21  | 27.60        | 10.65   | 8.15 |                   | 1.66            | 109.0 |
| 879      | 2/27/2011 15:31 | 8.53   | 43.66  | 27.91        | 10.62   | 8.17 |                   | 1.71            | 108.9 |
| 880      | 2/27/2011 15:46 | 8.51   | 44.05  | 28.19        | 10.55   | 8.14 |                   | 1.76            | 108.2 |
| 881      | 2/27/2011 16:01 | 8.49   | 44.05  | 28.18        | 10.54   | 8.16 |                   | 1.82            | 108.1 |
| 882      | 2/27/2011 16:16 | 8.43   | 43.57  | 27.84        | 10.55   | 8.17 |                   | 1.90            | 107.8 |
| 883      | 2/27/2011 16:31 | 8.41   | 43.33  | 27.67        | 10.50   | 8.15 |                   | 1.96            | 107.1 |
| 884      | 2/27/2011 16:46 | 8.44   | 43.49  | 27.78        | 10.47   | 8.17 |                   | 2.02            | 107.0 |
| 885      | 2/27/2011 17:01 | 8.43   | 43.23  | 27.60        | 10.48   | 8.17 |                   | 2.10            | 106.9 |
| 886      | 2/27/2011 17:16 | 8.40   | 43.63  | 27.88        | 10.38   | 8.13 |                   | 2.20            | 106.1 |
| 887      | 2/27/2011 17:31 | 8.38   | 43.96  | 28.12        | 10.28   | 8.14 |                   | 2.26            | 105.1 |
| 888      | 2/27/2011 17:46 | 8.42   | 44.81  | 28.71        | 10.06   | 8.09 |                   | 2.32            | 103.3 |
| 889      | 2/27/2011 18:01 | 8.43   | 44.91  | 28.79        | 10.04   | 8.08 |                   | 2.42            | 103.2 |
| 890      | 2/27/2011 18:16 | 8.41   | 45.07  | 28.90        | 10.04   | 8.09 |                   | 2.49            | 103.3 |
| 891      | 2/27/2011 18:31 | 8.43   | 45.30  | 29.06        | 9.98    | 8.07 |                   | 2.56            | 102.8 |
| 892      | 2/27/2011 18:46 | 8.42   | 45.33  | 29.09        | 9.97    | 8.06 |                   | 2.64            | 102.7 |
| 893      | 2/27/2011 19:01 | 8.41   | 45.32  | 29.08        | 9.96    | 8.06 |                   | 2.72            | 102.6 |
| 894      | 2/27/2011 19:16 | 8.43   | 45.38  | 29.12        | 9.93    | 8.06 |                   | 2.78            | 102.3 |
| 895      | 2/27/2011 19:31 | 8.43   | 45.52  | 29.22        | 9.88    | 8.05 |                   | 2.85            | 101.9 |
| 896      | 2/27/2011 19:46 | 8.44   | 45.74  | 29.37        | 9.86    | 8.07 |                   | 2.92            | 101.8 |
| 897      | 2/27/2011 20:01 | 8.47   | 45.85  | 29.46        | 9.83    | 8.05 |                   | 2.97            | 101.6 |
| 898      | 2/27/2011 20:16 | 8.49   | 45.99  | 29.56        | 9.81    | 8.05 |                   | 3.03            | 101.5 |
| 899      | 2/27/2011 20:31 | 8.50   | 46.14  | 29.67        | 9.78    | 8.05 |                   | 3.08            | 101.3 |
| 900      | 2/27/2011 20:46 | 8.53   | 46.29  | 29.77        | 9.74    | 8.04 |                   | 3.13            | 101.1 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 901      | 2/27/2011 21:01 | 8.55   | 46.41  | 29.86        | 9.68    | 8.06 |                   | 3.16            | 100.5 |
| 902      | 2/27/2011 21:16 | 8.59   | 46.70  | 30.07        | 9.57    | 8.03 |                   | 3.18            | 99.5  |
| 903      | 2/27/2011 21:31 | 8.61   | 46.89  | 30.21        | 9.46    | 8.02 |                   | 3.21            | 98.6  |
| 904      | 2/27/2011 21:46 | 8.61   | 46.90  | 30.21        | 9.54    | 8.05 |                   | 3.20            | 99.4  |
| 905      | 2/27/2011 22:01 | 8.49   | 46.23  | 29.73        | 9.63    | 8.04 |                   | 3.17            | 99.8  |
| 906      | 2/27/2011 22:16 | 8.41   | 46.08  | 29.62        | 9.73    | 8.04 |                   | 3.15            | 100.5 |
| 907      | 2/27/2011 22:31 | 8.39   | 45.89  | 29.48        | 9.77    | 8.07 |                   | 3.11            | 100.8 |
| 908      | 2/27/2011 22:46 | 8.38   | 45.77  | 29.39        | 9.80    | 8.07 |                   | 3.05            | 101.0 |
| 909      | 2/27/2011 23:01 | 8.36   | 45.81  | 29.42        | 9.79    | 8.04 |                   | 3.00            | 101.0 |
| 910      | 2/27/2011 23:16 | 8.32   | 45.70  | 29.34        | 9.77    | 8.05 |                   | 2.93            | 100.5 |
| 911      | 2/27/2011 23:31 | 8.29   | 45.37  | 29.10        | 9.76    | 8.07 |                   | 2.87            | 100.2 |
| 912      | 2/27/2011 23:46 | 8.26   | 45.24  | 29.01        | 9.80    | 8.08 |                   | 2.82            | 100.5 |
| 913      | 2/28/2011 0:01  | 8.26   | 45.20  | 28.98        | 9.83    | 8.06 |                   | 2.77            | 100.8 |
| 914      | 2/28/2011 0:16  | 8.24   | 45.17  | 28.96        | 9.84    | 8.08 |                   | 2.70            | 100.9 |
| 915      | 2/28/2011 0:31  | 8.25   | 45.01  | 28.85        | 9.86    | 8.09 |                   | 2.67            | 101.0 |
| 916      | 2/28/2011 0:46  | 8.23   | 44.93  | 28.79        | 9.87    | 8.09 |                   | 2.62            | 101.0 |
| 917      | 2/28/2011 1:01  | 8.21   | 44.76  | 28.67        | 9.85    | 8.10 |                   | 2.57            | 100.7 |
| 918      | 2/28/2011 1:16  | 8.17   | 44.77  | 28.67        | 9.80    | 8.09 |                   | 2.53            | 100.1 |
| 919      | 2/28/2011 1:31  | 8.17   | 44.61  | 28.56        | 9.82    | 8.10 |                   | 2.50            | 100.2 |
| 920      | 2/28/2011 1:46  | 8.17   | 44.42  | 28.42        | 9.91    | 8.10 |                   | 2.48            | 101.0 |
| 921      | 2/28/2011 2:01  | 8.26   | 44.90  | 28.77        | 9.68    | 8.09 |                   | 2.47            | 99.1  |
| 922      | 2/28/2011 2:16  | 8.26   | 44.82  | 28.71        | 9.77    | 8.09 |                   | 2.48            | 100.0 |
| 923      | 2/28/2011 2:31  | 8.15   | 44.50  | 28.48        | 9.88    | 8.10 |                   | 2.47            | 100.8 |
| 924      | 2/28/2011 2:46  | 8.24   | 44.92  | 28.78        | 9.80    | 8.08 |                   | 2.49            | 100.3 |
| 925      | 2/28/2011 3:01  | 8.27   | 45.04  | 28.87        | 9.79    | 8.08 |                   | 2.53            | 100.3 |
| 926      | 2/28/2011 3:16  | 8.31   | 45.18  | 28.97        | 9.77    | 8.07 |                   | 2.57            | 100.3 |
| 927      | 2/28/2011 3:31  | 8.16   | 44.80  | 28.69        | 9.92    | 8.09 |                   | 2.59            | 101.3 |
| 928      | 2/28/2011 3:46  | 8.29   | 45.11  | 28.92        | 9.80    | 8.08 |                   | 2.64            | 100.5 |
| 929      | 2/28/2011 4:01  | 8.31   | 45.23  | 29.01        | 9.77    | 8.07 |                   | 2.70            | 100.3 |
| 930      | 2/28/2011 4:16  | 8.23   | 45.17  | 28.96        | 9.85    | 8.08 |                   | 2.76            | 101.0 |
| 931      | 2/28/2011 4:31  | 8.23   | 45.32  | 29.06        | 9.85    | 8.08 |                   | 2.81            | 101.0 |
| 932      | 2/28/2011 4:46  | 8.32   | 45.71  | 29.35        | 9.79    | 8.07 |                   | 2.87            | 100.8 |
| 933      | 2/28/2011 5:01  | 8.37   | 46.09  | 29.62        | 9.76    | 8.06 |                   | 2.93            | 100.7 |
| 934      | 2/28/2011 5:16  | 8.39   | 46.25  | 29.73        | 9.77    | 8.06 |                   | 3.00            | 101.0 |
| 935      | 2/28/2011 5:31  | 8.41   | 46.47  | 29.89        | 9.75    | 8.06 |                   | 3.07            | 100.9 |
| 936      | 2/28/2011 5:46  | 8.46   | 46.70  | 30.06        | 9.72    | 8.06 |                   | 3.14            | 100.9 |
| 937      | 2/28/2011 6:01  | 8.52   | 46.99  | 30.27        | 9.67    | 8.05 |                   | 3.21            | 100.5 |
| 938      | 2/28/2011 6:16  | 8.58   | 47.27  | 30.48        | 9.62    | 8.05 |                   | 3.28            | 100.3 |
| 939      | 2/28/2011 6:31  | 8.63   | 47.58  | 30.70        | 9.57    | 8.05 |                   | 3.35            | 100.1 |
| 940      | 2/28/2011 6:46  | 8.65   | 47.68  | 30.78        | 9.57    | 8.02 |                   | 3.41            | 100.1 |
| 941      | 2/28/2011 7:01  | 8.69   | 47.94  | 30.97        | 9.51    | 8.04 |                   | 3.47            | 99.8  |
| 942      | 2/28/2011 7:16  | 8.75   | 48.21  | 31.17        | 9.46    | 8.04 |                   | 3.53            | 99.5  |
| 943      | 2/28/2011 7:31  | 8.75   | 48.27  | 31.21        | 9.45    | 8.04 |                   | 3.60            | 99.4  |
| 944      | 2/28/2011 7:46  | 8.73   | 48.29  | 31.22        | 9.44    | 8.04 |                   | 3.62            | 99.3  |
| 945      | 2/28/2011 8:01  | 8.74   | 48.45  | 31.34        | 9.37    | 8.04 |                   | 3.66            | 98.7  |
| 946      | 2/28/2011 8:16  | 8.75   | 48.51  | 31.38        | 9.36    | 8.04 |                   | 3.69            | 98.6  |
| 947      | 2/28/2011 8:31  | 8.75   | 48.40  | 31.30        | 9.39    | 8.03 |                   | 3.70            | 98.8  |
| 948      | 2/28/2011 8:46  | 8.64   | 47.92  | 30.95        | 9.53    | 8.04 |                   | 3.69            | 99.8  |
| 949      | 2/28/2011 9:01  | 8.77   | 48.55  | 31.41        | 9.29    | 8.03 |                   | 3.66            | 97.9  |
| 950      | 2/28/2011 9:16  | 8.70   | 48.22  | 31.17        | 9.47    | 8.04 |                   | 3.62            | 99.5  |
| 951      | 2/28/2011 9:31  | 8.62   | 47.57  | 30.69        | 9.76    | 8.06 |                   | 3.58            | 102.1 |
| 952      | 2/28/2011 9:46  | 8.65   | 47.58  | 30.70        | 9.79    | 8.05 |                   | 3.52            | 102.4 |
| 953      | 2/28/2011 10:01 | 8.67   | 47.57  | 30.70        | 9.88    | 8.06 |                   | 3.42            | 103.4 |



sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 954      | 2/28/2011 10:16 | 8.55   | 46.83  | 30.16        | 9.96    | 8.07 |                   | 3.35            | 103.6 |
| 955      | 2/28/2011 10:31 | 8.56   | 46.71  | 30.08        | 9.96    | 8.06 |                   | 3.27            | 103.5 |
| 956      | 2/28/2011 10:46 | 8.58   | 46.72  | 30.09        | 10.00   | 8.07 |                   | 3.16            | 104.1 |
| 957      | 2/28/2011 11:01 | 8.63   | 46.79  | 30.14        | 10.04   | 8.07 |                   | 3.07            | 104.6 |
| 958      | 2/28/2011 11:16 | 8.65   | 46.60  | 30.00        | 10.13   | 8.08 |                   | 2.99            | 105.5 |
| 959      | 2/28/2011 11:31 | 8.66   | 46.38  | 29.85        | 10.25   | 8.09 |                   | 2.88            | 106.7 |
| 960      | 2/28/2011 11:46 | 8.69   | 46.32  | 29.80        | 10.29   | 8.09 |                   | 2.79            | 107.1 |
| 961      | 2/28/2011 12:01 | 8.75   | 46.22  | 29.74        | 10.32   | 8.09 |                   | 2.67            | 107.5 |
| 962      | 2/28/2011 12:16 | 8.79   | 46.03  | 29.61        | 10.38   | 8.10 |                   | 2.57            | 108.2 |
| 963      | 2/28/2011 12:31 | 8.89   | 45.74  | 29.41        | 10.44   | 8.11 |                   | 2.46            | 108.8 |
| 964      | 2/28/2011 12:46 | 8.94   | 45.44  | 29.20        | 10.48   | 8.12 |                   | 2.36            | 109.2 |
| 965      | 2/28/2011 13:01 | 8.93   | 45.07  | 28.94        | 10.58   | 8.13 |                   | 2.25            | 110.2 |
| 966      | 2/28/2011 13:16 | 9.06   | 44.96  | 28.86        | 10.62   | 8.14 |                   | 2.12            | 110.8 |
| 967      | 2/28/2011 13:31 | 9.02   | 44.55  | 28.58        | 10.69   | 8.13 |                   | 2.01            | 111.2 |
| 968      | 2/28/2011 13:46 | 8.96   | 44.14  | 28.28        | 10.70   | 8.15 |                   | 1.89            | 111.0 |
| 969      | 2/28/2011 14:01 | 9.00   | 43.98  | 28.17        | 10.72   | 8.16 |                   | 1.81            | 111.2 |
| 970      | 2/28/2011 14:16 | 8.97   | 43.84  | 28.06        | 10.71   | 8.13 |                   | 1.71            | 110.9 |
| 971      | 2/28/2011 14:31 | 8.93   | 43.71  | 27.97        | 10.73   | 8.17 |                   | 1.64            | 110.9 |
| 972      | 2/28/2011 14:46 | 8.94   | 43.63  | 27.91        | 10.64   | 8.17 |                   | 1.60            | 110.0 |
| 973      | 2/28/2011 15:01 | 8.93   | 43.63  | 27.92        | 10.53   | 8.13 |                   | 1.58            | 108.9 |
| 974      | 2/28/2011 15:16 | 8.95   | 43.75  | 28.00        | 10.58   | 8.16 |                   | 1.55            | 109.5 |
| 975      | 2/28/2011 15:31 | 8.96   | 43.88  | 28.09        | 10.59   | 8.13 |                   | 1.56            | 109.7 |
| 976      | 2/28/2011 15:46 | 8.88   | 44.09  | 28.24        | 10.51   | 8.12 |                   | 1.60            | 108.8 |
| 977      | 2/28/2011 16:01 | 8.96   | 44.02  | 28.19        | 10.58   | 8.15 |                   | 1.62            | 109.6 |
| 978      | 2/28/2011 16:16 | 8.93   | 43.79  | 28.03        | 10.59   | 8.14 |                   | 1.71            | 109.5 |
| 979      | 2/28/2011 16:31 | 8.91   | 43.30  | 27.68        | 10.57   | 8.12 |                   | 1.75            | 109.1 |
| 980      | 2/28/2011 16:46 | 8.84   | 43.53  | 27.84        | 10.51   | 8.12 |                   | 1.84            | 108.4 |
| 981      | 2/28/2011 17:01 | 8.82   | 43.53  | 27.84        | 10.51   | 8.12 |                   | 1.91            | 108.3 |
| 982      | 2/28/2011 17:16 | 8.81   | 43.57  | 27.86        | 10.48   | 8.13 |                   | 1.96            | 108.1 |
| 983      | 2/28/2011 17:31 | 8.81   | 43.41  | 27.75        | 10.46   | 8.10 |                   | 2.05            | 107.8 |
| 984      | 2/28/2011 17:46 | 8.76   | 44.29  | 28.37        | 10.32   | 8.09 |                   | 2.13            | 106.6 |
| 985      | 2/28/2011 18:01 | 8.77   | 44.38  | 28.44        | 10.34   | 8.09 |                   | 2.24            | 106.8 |
| 986      | 2/28/2011 18:16 | 8.78   | 44.37  | 28.43        | 10.31   | 8.08 |                   | 2.32            | 106.6 |
| 987      | 2/28/2011 18:31 | 8.76   | 44.61  | 28.60        | 10.29   | 8.10 |                   | 2.39            | 106.4 |
| 988      | 2/28/2011 18:46 | 8.71   | 44.82  | 28.74        | 10.26   | 8.10 |                   | 2.48            | 106.1 |
| 989      | 2/28/2011 19:01 | 8.68   | 45.11  | 28.95        | 10.22   | 8.08 |                   | 2.56            | 105.8 |
| 990      | 2/28/2011 19:16 | 8.65   | 45.23  | 29.03        | 10.18   | 8.08 |                   | 2.65            | 105.3 |
| 991      | 2/28/2011 19:31 | 8.61   | 45.44  | 29.18        | 10.10   | 8.09 |                   | 2.72            | 104.6 |
| 992      | 2/28/2011 19:46 | 8.61   | 45.56  | 29.26        | 10.08   | 8.08 |                   | 2.81            | 104.4 |
| 993      | 2/28/2011 20:01 | 8.64   | 45.70  | 29.36        | 10.05   | 8.08 |                   | 2.88            | 104.3 |
| 994      | 2/28/2011 20:16 | 8.65   | 45.96  | 29.55        | 10.02   | 8.07 |                   | 2.95            | 104.0 |
| 995      | 2/28/2011 20:31 | 8.65   | 46.16  | 29.69        | 9.99    | 8.05 |                   | 3.01            | 103.9 |
| 996      | 2/28/2011 20:46 | 8.68   | 46.40  | 29.86        | 9.96    | 8.04 |                   | 3.08            | 103.7 |
| 997      | 2/28/2011 21:01 | 8.72   | 46.66  | 30.05        | 9.93    | 8.04 |                   | 3.15            | 103.6 |
| 998      | 2/28/2011 21:16 | 8.76   | 47.05  | 30.33        | 9.89    | 8.03 |                   | 3.22            | 103.5 |
| 999      | 2/28/2011 21:31 | 8.79   | 47.38  | 30.57        | 9.90    | 8.04 |                   | 3.27            | 103.8 |
| 1000     | 2/28/2011 21:46 | 8.80   | 47.55  | 30.70        | 9.85    | 8.03 |                   | 3.30            | 103.4 |
| 1001     | 2/28/2011 22:01 | 8.81   | 47.70  | 30.80        | 9.82    | 8.03 |                   | 3.33            | 103.1 |
| 1002     | 2/28/2011 22:16 | 8.82   | 47.78  | 30.86        | 9.75    | 8.06 |                   | 3.35            | 102.5 |
| 1003     | 2/28/2011 22:31 | 8.80   | 47.53  | 30.68        | 9.80    | 8.05 |                   | 3.36            | 102.9 |
| 1004     | 2/28/2011 22:46 | 8.82   | 47.83  | 30.89        | 9.84    | 8.02 |                   | 3.33            | 103.4 |
| 1005     | 2/28/2011 23:01 | 8.75   | 47.66  | 30.77        | 9.78    | 8.05 |                   | 3.32            | 102.6 |
| 1006     | 2/28/2011 23:16 | 8.61   | 46.43  | 29.88        | 9.88    | 8.06 |                   | 3.27            | 102.8 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1007     | 2/28/2011 23:31 | 8.63   | 46.43  | 29.88        | 9.89    | 8.07 |                   | 3.19            | 102.9 |
| 1008     | 2/28/2011 23:46 | 8.61   | 46.38  | 29.84        | 9.85    | 8.04 |                   | 3.12            | 102.4 |
| 1009     | 3/1/2011 0:01   | 8.57   | 46.20  | 29.72        | 9.87    | 8.06 |                   | 3.06            | 102.4 |
| 1010     | 3/1/2011 0:16   | 8.62   | 45.85  | 29.47        | 9.90    | 8.07 |                   | 2.98            | 102.7 |
| 1011     | 3/1/2011 0:31   | 8.61   | 45.76  | 29.40        | 9.90    | 8.07 |                   | 2.92            | 102.6 |
| 1012     | 3/1/2011 0:46   | 8.61   | 45.75  | 29.40        | 9.86    | 8.07 |                   | 2.85            | 102.1 |
| 1013     | 3/1/2011 1:01   | 8.59   | 45.61  | 29.30        | 9.87    | 8.05 |                   | 2.78            | 102.2 |
| 1014     | 3/1/2011 1:16   | 8.54   | 45.66  | 29.32        | 9.83    | 8.06 |                   | 2.72            | 101.7 |
| 1015     | 3/1/2011 1:31   | 8.52   | 45.61  | 29.29        | 9.87    | 8.07 |                   | 2.67            | 102.0 |
| 1016     | 3/1/2011 1:46   | 8.49   | 45.48  | 29.19        | 9.91    | 8.04 |                   | 2.61            | 102.3 |
| 1017     | 3/1/2011 2:01   | 8.47   | 45.35  | 29.10        | 9.91    | 8.07 |                   | 2.56            | 102.2 |
| 1018     | 3/1/2011 2:16   | 8.48   | 45.09  | 28.92        | 9.88    | 8.05 |                   | 2.51            | 101.7 |
| 1019     | 3/1/2011 2:31   | 8.47   | 45.06  | 28.89        | 9.86    | 8.07 |                   | 2.48            | 101.5 |
| 1020     | 3/1/2011 2:46   | 8.48   | 44.94  | 28.81        | 9.85    | 8.04 |                   | 2.45            | 101.4 |
| 1021     | 3/1/2011 3:01   | 8.47   | 44.89  | 28.78        | 9.83    | 8.05 |                   | 2.42            | 101.2 |
| 1022     | 3/1/2011 3:16   | 8.48   | 44.93  | 28.80        | 9.61    | 8.04 |                   | 2.42            | 98.9  |
| 1023     | 3/1/2011 3:31   | 8.49   | 45.07  | 28.91        | 9.79    | 8.07 |                   | 2.41            | 100.9 |
| 1024     | 3/1/2011 3:46   | 8.49   | 45.26  | 29.04        | 9.75    | 8.06 |                   | 2.42            | 100.6 |
| 1025     | 3/1/2011 4:01   | 8.52   | 45.31  | 29.08        | 9.84    | 8.05 |                   | 2.46            | 101.6 |
| 1026     | 3/1/2011 4:16   | 8.53   | 45.33  | 29.09        | 9.86    | 8.06 |                   | 2.50            | 101.8 |
| 1027     | 3/1/2011 4:31   | 8.47   | 45.15  | 28.96        | 9.91    | 8.05 |                   | 2.54            | 102.1 |
| 1028     | 3/1/2011 4:46   | 8.52   | 45.30  | 29.07        | 9.87    | 8.06 |                   | 2.61            | 101.9 |
| 1029     | 3/1/2011 5:01   | 8.52   | 45.26  | 29.04        | 9.86    | 8.07 |                   | 2.67            | 101.8 |
| 1030     | 3/1/2011 5:16   | 8.53   | 45.44  | 29.17        | 9.85    | 8.05 |                   | 2.72            | 101.8 |
| 1031     | 3/1/2011 5:31   | 8.54   | 45.68  | 29.34        | 9.87    | 8.07 |                   | 2.81            | 102.1 |
| 1032     | 3/1/2011 5:46   | 8.59   | 46.07  | 29.62        | 9.83    | 8.04 |                   | 2.85            | 102.0 |
| 1033     | 3/1/2011 6:01   | 8.60   | 46.26  | 29.76        | 9.85    | 8.04 |                   | 2.93            | 102.3 |
| 1034     | 3/1/2011 6:16   | 8.61   | 46.42  | 29.87        | 9.86    | 8.04 |                   | 3.00            | 102.5 |
| 1035     | 3/1/2011 6:31   | 8.62   | 46.55  | 29.96        | 9.89    | 8.06 |                   | 3.07            | 102.9 |
| 1036     | 3/1/2011 6:46   | 8.64   | 46.75  | 30.11        | 9.87    | 8.04 |                   | 3.14            | 102.9 |
| 1037     | 3/1/2011 7:01   | 8.73   | 47.19  | 30.43        | 9.84    | 8.05 |                   | 3.22            | 102.9 |
| 1038     | 3/1/2011 7:16   | 8.72   | 47.20  | 30.44        | 9.85    | 8.03 |                   | 3.30            | 103.0 |
| 1039     | 3/1/2011 7:31   | 8.72   | 47.41  | 30.59        | 9.88    | 8.05 |                   | 3.39            | 103.4 |
| 1040     | 3/1/2011 7:46   | 8.74   | 47.58  | 30.71        | 9.87    | 8.05 |                   | 3.44            | 103.4 |
| 1041     | 3/1/2011 8:01   | 8.75   | 47.73  | 30.82        | 9.88    | 8.05 |                   | 3.52            | 103.7 |
| 1042     | 3/1/2011 8:16   | 8.78   | 48.02  | 31.03        | 9.88    | 8.05 |                   | 3.59            | 103.9 |
| 1043     | 3/1/2011 8:31   | 8.81   | 48.25  | 31.20        | 9.87    | 8.05 |                   | 3.64            | 103.9 |
| 1044     | 3/1/2011 8:46   | 8.83   | 48.34  | 31.26        | 9.85    | 8.05 |                   | 3.68            | 103.9 |
| 1045     | 3/1/2011 9:01   | 8.85   | 48.46  | 31.35        | 9.82    | 8.05 |                   | 3.72            | 103.6 |
| 1046     | 3/1/2011 9:16   | 8.86   | 48.52  | 31.40        | 9.76    | 8.05 |                   | 3.74            | 103.1 |
| 1047     | 3/1/2011 9:31   | 8.87   | 48.57  | 31.43        | 9.64    | 8.04 |                   | 3.75            | 101.8 |
| 1048     | 3/1/2011 9:46   | 8.87   | 48.59  | 31.44        | 9.86    | 8.02 |                   | 3.74            | 104.1 |
| 1049     | 3/1/2011 10:01  | 8.89   | 48.60  | 31.45        | 9.86    | 8.02 |                   | 3.72            | 104.2 |
| 1050     | 3/1/2011 10:16  | 8.95   | 47.56  | 30.71        | 10.08   | 8.04 |                   | 3.68            | 106.2 |
| 1051     | 3/1/2011 10:31  | 8.98   | 47.77  | 30.86        | 10.16   | 8.07 |                   | 3.61            | 107.2 |
| 1052     | 3/1/2011 10:46  | 8.99   | 47.57  | 30.72        | 10.19   | 8.07 |                   | 3.53            | 107.5 |
| 1053     | 3/1/2011 11:01  | 9.06   | 47.52  | 30.69        | 10.24   | 8.08 |                   | 3.44            | 108.1 |
| 1054     | 3/1/2011 11:16  | 8.99   | 46.83  | 30.19        | 10.24   | 8.08 |                   | 3.35            | 107.6 |
| 1055     | 3/1/2011 11:31  | 9.04   | 46.94  | 30.28        | 10.22   | 8.06 |                   | 3.25            | 107.6 |
| 1056     | 3/1/2011 11:46  | 9.06   | 46.89  | 30.24        | 10.24   | 8.07 |                   | 3.14            | 107.8 |
| 1057     | 3/1/2011 12:01  | 9.14   | 46.71  | 30.12        | 10.34   | 8.09 |                   | 3.03            | 109.0 |
| 1058     | 3/1/2011 12:16  | 9.15   | 46.53  | 29.99        | 10.39   | 8.09 |                   | 2.95            | 109.4 |
| 1059     | 3/1/2011 12:31  | 9.20   | 46.42  | 29.91        | 10.42   | 8.10 |                   | 2.83            | 109.8 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1060     | 3/1/2011 12:46 | 9.27   | 46.27           | 29.81        | 10.52           | 8.10 |                   | 2.72            | 110.9 |
| 1061     | 3/1/2011 13:01 | 9.36   | 46.20           | 29.77        | 10.53           | 8.11 |                   | 2.61            | 111.2 |
| 1062     | 3/1/2011 13:16 | 9.35   | 45.98           | 29.61        | 10.55           | 8.11 |                   | 2.49            | 111.3 |
| 1063     | 3/1/2011 13:31 | 9.32   | 45.53           | 29.29        | 10.61           | 8.11 |                   | 2.37            | 111.6 |
| 1064     | 3/1/2011 13:46 | 9.47   | 45.34           | 29.16        | 10.66           | 8.13 |                   | 2.25            | 112.5 |
| 1065     | 3/1/2011 14:01 | 9.65   | 45.27           | 29.12        | 10.68           | 8.13 |                   | 2.14            | 113.1 |
| 1066     | 3/1/2011 14:16 | 9.62   | 44.98           | 28.91        | 10.69           | 8.14 |                   | 2.02            | 113.0 |
| 1067     | 3/1/2011 14:31 | 9.69   | 44.81           | 28.80        | 10.77           | 8.15 |                   | 1.90            | 113.9 |
| 1068     | 3/1/2011 14:46 | 9.69   | 44.59           | 28.64        | 10.75           | 8.15 |                   | 1.81            | 113.5 |
| 1069     | 3/1/2011 15:01 | 9.74   | 44.38           | 28.50        | 10.74           | 8.16 |                   | 1.72            | 113.5 |
| 1070     | 3/1/2011 15:16 | 9.78   | 44.27           | 28.42        | 10.74           | 8.16 |                   | 1.65            | 113.6 |
| 1071     | 3/1/2011 15:31 | 9.77   | 44.20           | 28.37        | 10.71           | 8.14 |                   | 1.60            | 113.1 |
| 1072     | 3/1/2011 15:46 | 9.77   | 44.15           | 28.34        | 10.54           | 8.16 |                   | 1.56            | 111.4 |
| 1073     | 3/1/2011 16:01 | 9.81   | 44.18           | 28.36        | 10.66           | 8.14 |                   | 1.57            | 112.7 |
| 1074     | 3/1/2011 16:16 | 9.77   | 44.19           | 28.37        | 10.67           | 8.16 |                   | 1.57            | 112.8 |
| 1075     | 3/1/2011 16:31 | 9.70   | 44.22           | 28.38        | 10.63           | 8.12 |                   | 1.60            | 112.1 |
| 1076     | 3/1/2011 16:46 | 9.68   | 44.28           | 28.43        | 10.59           | 8.13 |                   | 1.65            | 111.7 |
| 1077     | 3/1/2011 17:01 | 9.71   | 43.03           | 27.54        | 10.61           | 8.11 |                   | 1.72            | 111.4 |
| 1078     | 3/1/2011 17:16 | 9.74   | 42.15           | 26.92        | 10.62           | 8.14 |                   | 1.80            | 111.1 |
| 1079     | 3/1/2011 17:31 | 9.70   | 42.45           | 27.13        | 10.59           | 8.11 |                   | 1.88            | 110.9 |
| 1080     | 3/1/2011 17:46 | 9.62   | 43.18           | 27.64        | 10.53           | 8.10 |                   | 1.94            | 110.4 |
| 1081     | 3/1/2011 18:01 | 9.53   | 43.73           | 28.02        | 10.49           | 8.12 |                   | 2.03            | 110.1 |
| 1082     | 3/1/2011 18:16 | 9.45   | 44.07           | 28.26        | 10.47           | 8.09 |                   | 2.12            | 109.7 |
| 1083     | 3/1/2011 18:31 | 9.41   | 44.41           | 28.50        | 10.44           | 8.11 |                   | 2.20            | 109.5 |
| 1084     | 3/1/2011 18:46 | 9.37   | 44.66           | 28.68        | 10.37           | 8.10 |                   | 2.27            | 108.9 |
| 1085     | 3/1/2011 19:01 | 9.34   | 45.10           | 28.98        | 10.32           | 8.07 |                   | 2.36            | 108.4 |
| 1086     | 3/1/2011 19:16 | 9.30   | 45.29           | 29.12        | 10.26           | 8.09 |                   | 2.44            | 107.8 |
| 1087     | 3/1/2011 19:31 | 9.25   | 45.34           | 29.15        | 10.23           | 8.09 |                   | 2.51            | 107.4 |
| 1088     | 3/1/2011 19:46 | 9.19   | 45.53           | 29.28        | 10.20           | 8.08 |                   | 2.60            | 107.0 |
| 1089     | 3/1/2011 20:01 | 9.18   | 45.74           | 29.43        | 10.16           | 8.06 |                   | 2.69            | 106.7 |
| 1090     | 3/1/2011 20:16 | 9.20   | 45.84           | 29.51        | 10.17           | 8.06 |                   | 2.77            | 106.9 |
| 1091     | 3/1/2011 20:31 | 9.20   | 46.14           | 29.71        | 10.14           | 8.05 |                   | 2.86            | 106.7 |
| 1092     | 3/1/2011 20:46 | 9.18   | 46.41           | 29.91        | 10.12           | 8.05 |                   | 2.93            | 106.6 |
| 1093     | 3/1/2011 21:01 | 9.18   | 46.61           | 30.05        | 10.11           | 8.05 |                   | 3.02            | 106.6 |
| 1094     | 3/1/2011 21:16 | 9.20   | 46.89           | 30.25        | 10.08           | 8.07 |                   | 3.09            | 106.4 |
| 1095     | 3/1/2011 21:31 | 9.22   | 47.54           | 30.72        | 10.04           | 8.04 |                   | 3.18            | 106.3 |
| 1096     | 3/1/2011 21:46 | 9.24   | 47.84           | 30.93        | 10.00           | 8.04 |                   | 3.25            | 106.1 |
| 1097     | 3/1/2011 22:01 | 9.24   | 48.01           | 31.05        | 9.97            | 8.06 |                   | 3.31            | 105.9 |
| 1098     | 3/1/2011 22:16 | 9.25   | 48.12           | 31.13        | 9.94            | 8.04 |                   | 3.37            | 105.7 |
| 1099     | 3/1/2011 22:31 | 9.25   | 48.19           | 31.18        | 9.89            | 8.03 |                   | 3.40            | 105.2 |
| 1100     | 3/1/2011 22:46 | 9.25   | 48.18           | 31.18        | 9.78            | 8.03 |                   | 3.44            | 104.0 |
| 1101     | 3/1/2011 23:01 | 9.26   | 48.27           | 31.24        | 9.75            | 8.03 |                   | 3.44            | 103.8 |
| 1102     | 3/1/2011 23:16 | 9.26   | 48.27           | 31.24        | 9.86            | 8.03 |                   | 3.44            | 104.9 |
| 1103     | 3/1/2011 23:31 | 9.18   | 47.39           | 30.60        | 9.90            | 8.04 |                   | 3.41            | 104.8 |
| 1104     | 3/1/2011 23:46 | 9.19   | 47.38           | 30.60        | 9.93            | 8.03 |                   | 3.36            | 105.1 |
| 1105     | 3/2/2011 0:01  | 9.17   | 46.97           | 30.31        | 9.95            | 8.06 |                   | 3.31            | 105.0 |
| 1106     | 3/2/2011 0:16  | 9.18   | 46.82           | 30.20        | 9.92            | 8.06 |                   | 3.24            | 104.7 |
| 1107     | 3/2/2011 0:31  | 9.16   | 46.71           | 30.12        | 9.92            | 8.07 |                   | 3.16            | 104.6 |
| 1108     | 3/2/2011 0:46  | 9.16   | 46.52           | 29.99        | 9.95            | 8.05 |                   | 3.09            | 104.8 |
| 1109     | 3/2/2011 1:01  | 9.16   | 46.60           | 30.04        | 9.95            | 8.04 |                   | 3.03            | 104.8 |
| 1110     | 3/2/2011 1:16  | 9.15   | 46.47           | 29.94        | 9.96            | 8.07 |                   | 2.95            | 104.9 |
| 1111     | 3/2/2011 1:31  | 9.14   | 46.42           | 29.91        | 9.96            | 8.07 |                   | 2.89            | 104.8 |
| 1112     | 3/2/2011 1:46  | 9.13   | 46.38           | 29.88        | 9.95            | 8.06 |                   | 2.81            | 104.7 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1113     | 3/2/2011 2:01  | 9.13   | 46.15  | 29.72        | 9.95    | 8.07 |                   | 2.75            | 104.5 |
| 1114     | 3/2/2011 2:16  | 9.12   | 45.98  | 29.59        | 9.93    | 8.06 |                   | 2.68            | 104.2 |
| 1115     | 3/2/2011 2:31  | 9.13   | 45.85  | 29.50        | 9.92    | 8.07 |                   | 2.63            | 104.0 |
| 1116     | 3/2/2011 2:46  | 9.13   | 45.68  | 29.38        | 9.90    | 8.05 |                   | 2.58            | 103.7 |
| 1117     | 3/2/2011 3:01  | 9.15   | 45.12  | 28.99        | 9.90    | 8.05 |                   | 2.52            | 103.6 |
| 1118     | 3/2/2011 3:16  | 9.16   | 45.17  | 29.02        | 9.85    | 8.07 |                   | 2.49            | 103.1 |
| 1119     | 3/2/2011 3:31  | 9.18   | 44.76  | 28.73        | 9.84    | 8.06 |                   | 2.45            | 102.9 |
| 1120     | 3/2/2011 3:46  | 9.19   | 44.72  | 28.71        | 9.84    | 8.08 |                   | 2.42            | 102.8 |
| 1121     | 3/2/2011 4:01  | 9.16   | 45.29  | 29.11        | 9.65    | 8.04 |                   | 2.42            | 101.1 |
| 1122     | 3/2/2011 4:16  | 9.18   | 44.66  | 28.66        | 9.67    | 8.05 |                   | 2.40            | 101.1 |
| 1123     | 3/2/2011 4:31  | 9.20   | 44.44  | 28.51        | 9.79    | 8.08 |                   | 2.42            | 102.2 |
| 1124     | 3/2/2011 4:46  | 9.17   | 44.89  | 28.82        | 9.81    | 8.06 |                   | 2.46            | 102.5 |
| 1125     | 3/2/2011 5:01  | 9.15   | 45.35  | 29.15        | 9.84    | 8.05 |                   | 2.48            | 103.0 |
| 1126     | 3/2/2011 5:16  | 9.15   | 45.38  | 29.17        | 9.84    | 8.06 |                   | 2.53            | 103.1 |
| 1127     | 3/2/2011 5:31  | 9.15   | 45.41  | 29.19        | 9.90    | 8.07 |                   | 2.59            | 103.7 |
| 1128     | 3/2/2011 5:46  | 9.15   | 45.71  | 29.40        | 9.90    | 8.04 |                   | 2.66            | 103.9 |
| 1129     | 3/2/2011 6:01  | 9.15   | 46.02  | 29.63        | 9.90    | 8.04 |                   | 2.72            | 104.1 |
| 1130     | 3/2/2011 6:16  | 9.16   | 46.44  | 29.93        | 9.86    | 8.05 |                   | 2.79            | 103.8 |
| 1131     | 3/2/2011 6:31  | 9.16   | 46.60  | 30.04        | 9.84    | 8.04 |                   | 2.88            | 103.6 |
| 1132     | 3/2/2011 6:46  | 9.17   | 46.48  | 29.96        | 9.83    | 8.06 |                   | 2.95            | 103.5 |
| 1133     | 3/2/2011 7:01  | 9.18   | 46.53  | 29.99        | 9.84    | 8.04 |                   | 3.03            | 103.7 |
| 1134     | 3/2/2011 7:16  | 9.18   | 46.73  | 30.13        | 9.82    | 8.03 |                   | 3.11            | 103.6 |
| 1135     | 3/2/2011 7:31  | 9.19   | 46.94  | 30.28        | 9.84    | 8.03 |                   | 3.20            | 103.9 |
| 1136     | 3/2/2011 7:46  | 9.20   | 47.18  | 30.46        | 9.82    | 8.06 |                   | 3.28            | 103.9 |
| 1137     | 3/2/2011 8:01  | 9.20   | 47.27  | 30.52        | 9.82    | 8.05 |                   | 3.37            | 103.9 |
| 1138     | 3/2/2011 8:16  | 9.21   | 47.44  | 30.64        | 9.81    | 8.05 |                   | 3.46            | 103.9 |
| 1139     | 3/2/2011 8:31  | 9.21   | 47.56  | 30.73        | 9.81    | 8.02 |                   | 3.54            | 103.9 |
| 1140     | 3/2/2011 8:46  | 9.22   | 47.81  | 30.91        | 9.78    | 8.03 |                   | 3.61            | 103.8 |
| 1141     | 3/2/2011 9:01  | 9.24   | 47.92  | 30.99        | 9.77    | 8.03 |                   | 3.68            | 103.7 |
| 1142     | 3/2/2011 9:16  | 9.25   | 48.37  | 31.31        | 9.70    | 8.02 |                   | 3.75            | 103.3 |
| 1143     | 3/2/2011 9:31  | 9.25   | 48.49  | 31.40        | 9.66    | 8.04 |                   | 3.79            | 102.9 |
| 1144     | 3/2/2011 9:46  | 9.27   | 48.71  | 31.56        | 9.64    | 8.02 |                   | 3.83            | 102.8 |
| 1145     | 3/2/2011 10:01 | 9.27   | 48.77  | 31.60        | 9.62    | 8.02 |                   | 3.85            | 102.6 |
| 1146     | 3/2/2011 10:16 | 9.26   | 48.43  | 31.36        | 9.61    | 8.04 |                   | 3.85            | 102.4 |
| 1147     | 3/2/2011 10:31 | 9.27   | 48.68  | 31.54        | 9.66    | 8.04 |                   | 3.85            | 103.0 |
| 1148     | 3/2/2011 10:46 | 9.33   | 47.50  | 30.70        | 9.86    | 8.04 |                   | 3.80            | 104.7 |
| 1149     | 3/2/2011 11:01 | 9.31   | 47.77  | 30.88        | 9.86    | 8.03 |                   | 3.74            | 104.9 |
| 1150     | 3/2/2011 11:16 | 9.32   | 47.66  | 30.81        | 9.88    | 8.06 |                   | 3.67            | 105.0 |
| 1151     | 3/2/2011 11:31 | 9.32   | 47.37  | 30.60        | 9.91    | 8.06 |                   | 3.58            | 105.2 |
| 1152     | 3/2/2011 11:46 | 9.30   | 47.28  | 30.54        | 9.83    | 8.02 |                   | 3.49            | 104.2 |
| 1153     | 3/2/2011 12:01 | 9.36   | 46.70  | 30.12        | 9.88    | 8.04 |                   | 3.38            | 104.6 |
| 1154     | 3/2/2011 12:16 | 9.44   | 46.43  | 29.94        | 10.00   | 8.06 |                   | 3.28            | 105.9 |
| 1155     | 3/2/2011 12:31 | 9.48   | 46.39  | 29.91        | 10.06   | 8.05 |                   | 3.18            | 106.7 |
| 1156     | 3/2/2011 12:46 | 9.48   | 46.45  | 29.96        | 10.10   | 8.07 |                   | 3.06            | 107.1 |
| 1157     | 3/2/2011 13:01 | 9.52   | 46.39  | 29.92        | 10.14   | 8.08 |                   | 2.96            | 107.6 |
| 1158     | 3/2/2011 13:16 | 9.54   | 46.23  | 29.80        | 10.13   | 8.08 |                   | 2.83            | 107.5 |
| 1159     | 3/2/2011 13:31 | 9.59   | 45.92  | 29.58        | 10.12   | 8.08 |                   | 2.71            | 107.4 |
| 1160     | 3/2/2011 13:46 | 9.69   | 45.87  | 29.56        | 10.18   | 8.07 |                   | 2.60            | 108.2 |
| 1161     | 3/2/2011 14:01 | 9.78   | 45.63  | 29.39        | 10.29   | 8.07 |                   | 2.49            | 109.5 |
| 1162     | 3/2/2011 14:16 | 9.87   | 45.47  | 29.28        | 10.51   | 8.09 |                   | 2.37            | 112.0 |
| 1163     | 3/2/2011 14:31 | 9.72   | 45.13  | 29.03        | 10.26   | 8.08 |                   | 2.24            | 108.8 |
| 1164     | 3/2/2011 14:46 | 9.75   | 45.05  | 28.98        | 10.20   | 8.08 |                   | 2.11            | 108.2 |
| 1165     | 3/2/2011 15:01 | 9.95   | 45.02  | 28.96        | 10.36   | 8.11 |                   | 2.00            | 110.3 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1166     | 3/2/2011 15:16 | 10.02  | 44.98  | 28.94        | 10.54   | 8.13 |                   | 1.89            | 112.5 |
| 1167     | 3/2/2011 15:31 | 9.97   | 44.80  | 28.81        | 10.40   | 8.13 |                   | 1.79            | 110.7 |
| 1168     | 3/2/2011 15:46 | 10.00  | 44.69  | 28.73        | 10.32   | 8.13 |                   | 1.70            | 109.8 |
| 1169     | 3/2/2011 16:01 | 10.03  | 44.57  | 28.65        | 10.24   | 8.12 |                   | 1.64            | 109.0 |
| 1170     | 3/2/2011 16:16 | 9.99   | 44.53  | 28.62        | 10.06   | 8.13 |                   | 1.59            | 107.0 |
| 1171     | 3/2/2011 16:31 | 9.99   | 44.45  | 28.56        | 9.94    | 8.13 |                   | 1.55            | 105.6 |
| 1172     | 3/2/2011 16:46 | 9.97   | 44.50  | 28.60        | 10.05   | 8.13 |                   | 1.56            | 106.8 |
| 1173     | 3/2/2011 17:01 | 9.92   | 44.53  | 28.62        | 10.07   | 8.12 |                   | 1.58            | 106.9 |
| 1174     | 3/2/2011 17:16 | 9.88   | 44.56  | 28.63        | 10.05   | 8.08 |                   | 1.63            | 106.6 |
| 1175     | 3/2/2011 17:31 | 9.85   | 44.47  | 28.56        | 10.08   | 8.09 |                   | 1.69            | 106.8 |
| 1176     | 3/2/2011 17:46 | 9.85   | 43.87  | 28.14        | 10.10   | 8.09 |                   | 1.74            | 106.8 |
| 1177     | 3/2/2011 18:01 | 9.86   | 43.37  | 27.79        | 10.20   | 8.10 |                   | 1.85            | 107.6 |
| 1178     | 3/2/2011 18:16 | 9.85   | 43.43  | 27.83        | 10.15   | 8.08 |                   | 1.91            | 107.1 |
| 1179     | 3/2/2011 18:31 | 9.81   | 43.73  | 28.04        | 10.12   | 8.07 |                   | 2.00            | 106.8 |
| 1180     | 3/2/2011 18:46 | 9.77   | 44.39  | 28.51        | 10.02   | 8.06 |                   | 2.08            | 106.0 |
| 1181     | 3/2/2011 19:01 | 9.75   | 44.38  | 28.50        | 10.02   | 8.07 |                   | 2.16            | 105.9 |
| 1182     | 3/2/2011 19:16 | 9.73   | 44.52  | 28.59        | 10.01   | 8.06 |                   | 2.26            | 105.9 |
| 1183     | 3/2/2011 19:31 | 9.70   | 44.54  | 28.61        | 10.01   | 8.08 |                   | 2.34            | 105.8 |
| 1184     | 3/2/2011 19:46 | 9.64   | 44.88  | 28.85        | 9.97    | 8.07 |                   | 2.43            | 105.4 |
| 1185     | 3/2/2011 20:01 | 9.59   | 45.07  | 28.98        | 9.96    | 8.08 |                   | 2.52            | 105.2 |
| 1186     | 3/2/2011 20:16 | 9.57   | 45.23  | 29.09        | 9.94    | 8.08 |                   | 2.61            | 105.0 |
| 1187     | 3/2/2011 20:31 | 9.55   | 45.43  | 29.23        | 9.91    | 8.04 |                   | 2.71            | 104.8 |
| 1188     | 3/2/2011 20:46 | 9.54   | 45.62  | 29.37        | 9.87    | 8.05 |                   | 2.79            | 104.4 |
| 1189     | 3/2/2011 21:01 | 9.54   | 45.74  | 29.45        | 9.89    | 8.07 |                   | 2.87            | 104.6 |
| 1190     | 3/2/2011 21:16 | 9.53   | 45.83  | 29.52        | 9.89    | 8.06 |                   | 2.97            | 104.7 |
| 1191     | 3/2/2011 21:31 | 9.52   | 45.69  | 29.42        | 9.91    | 8.04 |                   | 3.04            | 104.8 |
| 1192     | 3/2/2011 21:46 | 9.50   | 46.31  | 29.86        | 9.86    | 8.06 |                   | 3.12            | 104.6 |
| 1193     | 3/2/2011 22:01 | 9.50   | 46.69  | 30.13        | 9.86    | 8.04 |                   | 3.23            | 104.7 |
| 1194     | 3/2/2011 22:16 | 9.51   | 47.28  | 30.55        | 9.83    | 8.02 |                   | 3.30            | 104.7 |
| 1195     | 3/2/2011 22:31 | 9.51   | 47.62  | 30.79        | 9.80    | 8.02 |                   | 3.36            | 104.6 |
| 1196     | 3/2/2011 22:46 | 9.51   | 47.83  | 30.94        | 9.76    | 8.02 |                   | 3.42            | 104.2 |
| 1197     | 3/2/2011 23:01 | 9.52   | 47.97  | 31.04        | 9.71    | 8.02 |                   | 3.47            | 103.7 |
| 1198     | 3/2/2011 23:16 | 9.52   | 48.02  | 31.08        | 9.68    | 8.02 |                   | 3.50            | 103.5 |
| 1199     | 3/2/2011 23:31 | 9.52   | 48.08  | 31.12        | 9.61    | 8.05 |                   | 3.53            | 102.8 |
| 1200     | 3/2/2011 23:46 | 9.52   | 48.02  | 31.08        | 9.68    | 8.02 |                   | 3.52            | 103.5 |
| 1201     | 3/3/2011 0:01  | 9.52   | 48.03  | 31.09        | 9.74    | 8.04 |                   | 3.48            | 104.1 |
| 1202     | 3/3/2011 0:16  | 9.51   | 47.48  | 30.70        | 9.72    | 8.05 |                   | 3.45            | 103.6 |
| 1203     | 3/3/2011 0:31  | 9.49   | 46.75  | 30.17        | 9.69    | 8.02 |                   | 3.37            | 102.9 |
| 1204     | 3/3/2011 0:46  | 9.49   | 46.53  | 30.01        | 9.71    | 8.05 |                   | 3.28            | 103.1 |
| 1205     | 3/3/2011 1:01  | 9.49   | 46.35  | 29.88        | 9.71    | 8.02 |                   | 3.20            | 102.9 |
| 1206     | 3/3/2011 1:16  | 9.48   | 45.98  | 29.62        | 9.68    | 8.03 |                   | 3.13            | 102.4 |
| 1207     | 3/3/2011 1:31  | 9.49   | 45.88  | 29.55        | 9.66    | 8.05 |                   | 3.03            | 102.2 |
| 1208     | 3/3/2011 1:46  | 9.49   | 45.90  | 29.57        | 9.65    | 8.05 |                   | 2.94            | 102.1 |
| 1209     | 3/3/2011 2:01  | 9.48   | 45.88  | 29.55        | 9.67    | 8.05 |                   | 2.87            | 102.3 |
| 1210     | 3/3/2011 2:16  | 9.47   | 45.00  | 28.92        | 9.70    | 8.03 |                   | 2.81            | 102.1 |
| 1211     | 3/3/2011 2:31  | 9.47   | 45.59  | 29.34        | 9.67    | 8.03 |                   | 2.71            | 102.1 |
| 1212     | 3/3/2011 2:46  | 9.45   | 45.62  | 29.36        | 9.64    | 8.03 |                   | 2.65            | 101.8 |
| 1213     | 3/3/2011 3:01  | 9.44   | 45.49  | 29.27        | 9.67    | 8.05 |                   | 2.57            | 102.0 |
| 1214     | 3/3/2011 3:16  | 9.48   | 45.00  | 28.93        | 9.73    | 8.03 |                   | 2.48            | 102.5 |
| 1215     | 3/3/2011 3:31  | 9.40   | 45.10  | 28.99        | 9.58    | 8.04 |                   | 2.43            | 100.8 |
| 1216     | 3/3/2011 3:46  | 9.44   | 44.84  | 28.81        | 9.63    | 8.03 |                   | 2.35            | 101.3 |
| 1217     | 3/3/2011 4:01  | 9.45   | 44.72  | 28.72        | 9.62    | 8.03 |                   | 2.28            | 101.1 |
| 1218     | 3/3/2011 4:16  | 9.49   | 44.54  | 28.60        | 9.63    | 8.03 |                   | 2.24            | 101.2 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1219     | 3/3/2011 4:31  | 9.48   | 44.49  | 28.56        | 9.56    | 8.03 |                   | 2.23            | 100.4 |
| 1220     | 3/3/2011 4:46  | 9.49   | 44.39  | 28.49        | 9.58    | 8.04 |                   | 2.21            | 100.7 |
| 1221     | 3/3/2011 5:01  | 9.46   | 44.47  | 28.54        | 9.52    | 8.03 |                   | 2.20            | 100.0 |
| 1222     | 3/3/2011 5:16  | 9.49   | 44.39  | 28.49        | 9.55    | 8.03 | 0.9               | 2.22            | 100.3 |
| 1223     | 3/3/2011 5:31  | 9.47   | 44.68  | 28.69        | 9.56    | 8.03 | 0.9               | 2.28            | 100.5 |
| 1224     | 3/3/2011 5:46  | 9.46   | 44.69  | 28.70        | 9.55    | 8.03 | 0.6               | 2.33            | 100.4 |
| 1225     | 3/3/2011 6:01  | 9.46   | 44.63  | 28.66        | 9.63    | 8.04 | 0.7               | 2.39            | 101.2 |
| 1226     | 3/3/2011 6:16  | 9.47   | 44.68  | 28.69        | 9.64    | 8.04 | 0.9               | 2.46            | 101.4 |
| 1227     | 3/3/2011 6:31  | 9.48   | 44.62  | 28.65        | 9.66    | 8.03 | 0.9               | 2.55            | 101.6 |
| 1228     | 3/3/2011 6:46  | 9.49   | 44.73  | 28.73        | 9.66    | 8.04 | 0.9               | 2.62            | 101.7 |
| 1229     | 3/3/2011 7:01  | 9.47   | 45.04  | 28.95        | 9.57    | 8.03 | 0.9               | 2.71            | 100.9 |
| 1230     | 3/3/2011 7:16  | 9.47   | 45.52  | 29.29        | 9.63    | 8.03 | 0.9               | 2.79            | 101.7 |
| 1231     | 3/3/2011 7:31  | 9.45   | 45.75  | 29.45        | 9.69    | 8.03 | 0.8               | 2.86            | 102.4 |
| 1232     | 3/3/2011 7:46  | 9.47   | 45.95  | 29.60        | 9.69    | 8.03 | 0.9               | 2.93            | 102.6 |
| 1233     | 3/3/2011 8:01  | 9.48   | 45.75  | 29.45        | 9.70    | 8.03 | 0.9               | 3.01            | 102.5 |
| 1234     | 3/3/2011 8:16  | 9.48   | 46.25  | 29.81        | 9.68    | 8.03 | 0.7               | 3.10            | 102.5 |
| 1235     | 3/3/2011 8:31  | 9.46   | 46.54  | 30.01        | 9.63    | 8.02 | 12.9              | 3.18            | 102.2 |
| 1236     | 3/3/2011 8:46  | 9.46   | 46.69  | 30.12        | 9.69    | 8.03 | 10.3              | 3.25            | 102.9 |
| 1237     | 3/3/2011 9:01  | 9.45   | 46.92  | 30.29        | 9.71    | 8.02 | 10.0              | 3.35            | 103.1 |
| 1238     | 3/3/2011 9:16  | 9.44   | 47.05  | 30.38        | 9.72    | 8.02 | 9.0               | 3.44            | 103.2 |
| 1239     | 3/3/2011 9:31  | 9.45   | 47.36  | 30.60        | 9.75    | 8.02 | 8.7               | 3.50            | 103.8 |
| 1240     | 3/3/2011 9:46  | 9.45   | 47.49  | 30.70        | 9.75    | 8.05 | 8.6               | 3.59            | 103.9 |
| 1241     | 3/3/2011 10:01 | 9.47   | 47.69  | 30.84        | 9.76    | 8.03 | 8.2               | 3.65            | 104.1 |
| 1242     | 3/3/2011 10:16 | 9.48   | 47.86  | 30.97        | 9.66    | 8.03 | 7.6               | 3.70            | 103.1 |
| 1243     | 3/3/2011 10:31 | 9.49   | 47.95  | 31.03        | 9.67    | 8.03 | 7.1               | 3.74            | 103.3 |
| 1244     | 3/3/2011 10:46 | 9.50   | 48.02  | 31.08        | 9.61    | 8.03 | 6.3               | 3.77            | 102.7 |
| 1245     | 3/3/2011 11:01 | 9.49   | 47.88  | 30.98        | 9.68    | 8.03 | 7.3               | 3.76            | 103.4 |
| 1246     | 3/3/2011 11:16 | 9.50   | 48.04  | 31.10        | 9.74    | 8.06 | 7.1               | 3.75            | 104.1 |
| 1247     | 3/3/2011 11:31 | 9.50   | 47.70  | 30.85        | 9.78    | 8.06 | 7.1               | 3.71            | 104.4 |
| 1248     | 3/3/2011 11:46 | 9.50   | 46.61  | 30.07        | 9.88    | 8.04 | 7.1               | 3.64            | 105.0 |
| 1249     | 3/3/2011 12:01 | 9.50   | 46.50  | 29.99        | 9.85    | 8.05 | 7.8               | 3.57            | 104.6 |
| 1250     | 3/3/2011 12:16 | 9.51   | 46.36  | 29.89        | 9.86    | 8.04 | 7.7               | 3.48            | 104.6 |
| 1251     | 3/3/2011 12:31 | 9.49   | 46.31  | 29.85        | 9.79    | 8.02 | 9.6               | 3.38            | 103.8 |
| 1252     | 3/3/2011 12:46 | 9.54   | 45.38  | 29.20        | 9.91    | 8.04 | 0.7               | 3.28            | 104.8 |
| 1253     | 3/3/2011 13:01 | 9.56   | 45.81  | 29.50        | 9.91    | 8.04 | 0.7               | 3.18            | 105.0 |
| 1254     | 3/3/2011 13:16 | 9.59   | 45.68  | 29.42        | 10.02   | 8.04 | 0.7               | 3.08            | 106.2 |
| 1255     | 3/3/2011 13:31 | 9.62   | 45.75  | 29.46        | 10.05   | 8.05 | 1.1               | 2.97            | 106.6 |
| 1256     | 3/3/2011 13:46 | 9.63   | 45.73  | 29.45        | 10.07   | 8.05 | 1.2               | 2.87            | 106.8 |
| 1257     | 3/3/2011 14:01 | 9.64   | 45.08  | 28.99        | 10.07   | 8.06 | 0.9               | 2.75            | 106.5 |
| 1258     | 3/3/2011 14:16 | 9.66   | 45.68  | 29.42        | 10.03   | 8.06 | 0.9               | 2.63            | 106.4 |
| 1259     | 3/3/2011 14:31 | 9.67   | 45.20  | 29.08        | 10.16   | 8.06 | 0.2               | 2.52            | 107.6 |
| 1260     | 3/3/2011 14:46 | 9.74   | 45.29  | 29.14        | 10.37   | 8.09 | 1.2               | 2.41            | 110.1 |
| 1261     | 3/3/2011 15:01 | 9.71   | 44.89  | 28.86        | 10.39   | 8.07 | 1.0               | 2.29            | 110.0 |
| 1262     | 3/3/2011 15:16 | 9.75   | 44.63  | 28.67        | 10.37   | 8.08 | 0.4               | 2.16            | 109.7 |
| 1263     | 3/3/2011 15:31 | 9.78   | 44.80  | 28.80        | 10.43   | 8.09 | 0.7               | 2.05            | 110.6 |
| 1264     | 3/3/2011 15:46 | 9.83   | 44.73  | 28.75        | 10.42   | 8.11 | 0.5               | 1.93            | 110.5 |
| 1265     | 3/3/2011 16:01 | 9.78   | 44.52  | 28.60        | 10.18   | 8.08 | 0.5               | 1.83            | 107.7 |
| 1266     | 3/3/2011 16:16 | 9.78   | 44.42  | 28.53        | 10.18   | 8.08 | 0.7               | 1.74            | 107.7 |
| 1267     | 3/3/2011 16:31 | 9.79   | 44.43  | 28.54        | 10.14   | 8.08 | 0.5               | 1.67            | 107.3 |
| 1268     | 3/3/2011 16:46 | 9.81   | 44.41  | 28.52        | 10.07   | 8.09 | 1.2               | 1.60            | 106.6 |
| 1269     | 3/3/2011 17:01 | 9.80   | 44.34  | 28.47        | 10.04   | 8.08 | 1.1               | 1.58            | 106.2 |
| 1270     | 3/3/2011 17:16 | 9.82   | 44.28  | 28.43        | 10.06   | 8.08 | 1.0               | 1.62            | 106.4 |
| 1271     | 3/3/2011 17:31 | 9.78   | 44.39  | 28.51        | 10.05   | 8.08 | 0.9               | 1.61            | 106.3 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1272     | 3/3/2011 17:46 | 9.75   | 44.40  | 28.51        | 10.00   | 8.08 | 0.7               | 1.66            | 105.7 |
| 1273     | 3/3/2011 18:01 | 9.73   | 44.34  | 28.47        | 10.06   | 8.08 | 0.7               | 1.75            | 106.3 |
| 1274     | 3/3/2011 18:16 | 9.71   | 43.02  | 27.53        | 10.10   | 8.07 | 0.8               | 1.82            | 106.0 |
| 1275     | 3/3/2011 18:31 | 9.71   | 43.05  | 27.55        | 10.01   | 8.07 | 0.9               | 1.89            | 105.0 |
| 1276     | 3/3/2011 18:46 | 9.71   | 43.33  | 27.75        | 10.01   | 8.06 | 0.9               | 1.98            | 105.2 |
| 1277     | 3/3/2011 19:01 | 9.71   | 43.51  | 27.88        | 9.99    | 8.06 | 0.7               | 2.08            | 105.1 |
| 1278     | 3/3/2011 19:16 | 9.70   | 42.94  | 27.48        | 9.98    | 8.06 | 0.7               | 2.15            | 104.7 |
| 1279     | 3/3/2011 19:31 | 9.69   | 43.45  | 27.83        | 9.87    | 8.05 | 1.1               | 2.25            | 103.8 |
| 1280     | 3/3/2011 19:46 | 9.67   | 43.99  | 28.21        | 9.90    | 8.05 | 1.1               | 2.35            | 104.3 |
| 1281     | 3/3/2011 20:01 | 9.66   | 44.51  | 28.58        | 9.84    | 8.04 | 0.7               | 2.43            | 103.8 |
| 1282     | 3/3/2011 20:16 | 9.65   | 44.81  | 28.79        | 9.79    | 8.04 | 0.8               | 2.51            | 103.4 |
| 1283     | 3/3/2011 20:31 | 9.64   | 45.02  | 28.94        | 9.74    | 8.04 | 0.8               | 2.61            | 103.0 |
| 1284     | 3/3/2011 20:46 | 9.63   | 45.01  | 28.94        | 9.79    | 8.04 | 1.0               | 2.70            | 103.5 |
| 1285     | 3/3/2011 21:01 | 9.61   | 44.97  | 28.91        | 9.81    | 8.04 | 0.6               | 2.78            | 103.6 |
| 1286     | 3/3/2011 21:16 | 9.59   | 45.20  | 29.07        | 9.79    | 8.04 | 0.8               | 2.87            | 103.5 |
| 1287     | 3/3/2011 21:31 | 9.59   | 45.46  | 29.26        | 9.77    | 8.04 | 0.9               | 2.96            | 103.4 |
| 1288     | 3/3/2011 21:46 | 9.58   | 45.65  | 29.39        | 9.78    | 8.04 | 0.7               | 3.03            | 103.5 |
| 1289     | 3/3/2011 22:01 | 9.55   | 45.25  | 29.11        | 9.81    | 8.03 | 1.0               | 3.13            | 103.6 |
| 1290     | 3/3/2011 22:16 | 9.52   | 46.02  | 29.65        | 9.74    | 8.03 | 0.5               | 3.19            | 103.2 |
| 1291     | 3/3/2011 22:31 | 9.54   | 46.43  | 29.95        | 9.79    | 8.03 | 0.5               | 3.28            | 104.0 |
| 1292     | 3/3/2011 22:46 | 9.55   | 46.96  | 30.33        | 9.84    | 8.04 | 0.8               | 3.35            | 104.7 |
| 1293     | 3/3/2011 23:01 | 9.54   | 46.52  | 30.01        | 9.87    | 8.04 | 0.8               | 3.42            | 104.9 |
| 1294     | 3/3/2011 23:16 | 9.53   | 47.35  | 30.60        | 9.75    | 8.04 | 1.0               | 3.47            | 103.9 |
| 1295     | 3/3/2011 23:31 | 9.53   | 47.47  | 30.69        | 9.75    | 8.04 | 0.4               | 3.53            | 104.0 |
| 1296     | 3/3/2011 23:46 | 9.53   | 47.53  | 30.73        | 9.72    | 8.04 | 0.7               | 3.56            | 103.7 |
| 1297     | 3/4/2011 0:01  | 9.53   | 46.84  | 30.24        | 9.67    | 8.04 | 0.2               | 3.56            | 102.9 |
| 1298     | 3/4/2011 0:16  | 9.53   | 47.50  | 30.71        | 9.72    | 8.04 | 1.0               | 3.56            | 103.7 |
| 1299     | 3/4/2011 0:31  | 9.53   | 47.53  | 30.73        | 9.81    | 8.04 | 0.6               | 3.54            | 104.7 |
| 1300     | 3/4/2011 0:46  | 9.46   | 46.76  | 30.18        | 9.75    | 8.03 | 0.5               | 3.47            | 103.5 |
| 1301     | 3/4/2011 1:01  | 9.44   | 45.90  | 29.56        | 9.67    | 8.03 | 0.1               | 3.40            | 102.2 |
| 1302     | 3/4/2011 1:16  | 9.40   | 45.76  | 29.46        | 9.66    | 8.03 | 0.5               | 3.32            | 101.9 |
| 1303     | 3/4/2011 1:31  | 9.42   | 46.21  | 29.78        | 9.77    | 8.03 | 0.4               | 3.23            | 103.3 |
| 1304     | 3/4/2011 1:46  | 9.36   | 45.51  | 29.28        | 9.75    | 8.03 | 0.2               | 3.14            | 102.6 |
| 1305     | 3/4/2011 2:01  | 9.25   | 45.07  | 28.96        | 9.70    | 8.03 | 0.5               | 3.04            | 101.7 |
| 1306     | 3/4/2011 2:16  | 9.23   | 45.10  | 28.98        | 9.79    | 8.03 | 0.9               | 2.95            | 102.6 |
| 1307     | 3/4/2011 2:31  | 9.23   | 45.04  | 28.93        | 9.68    | 8.03 | 0.9               | 2.87            | 101.4 |
| 1308     | 3/4/2011 2:46  | 9.25   | 45.01  | 28.91        | 9.68    | 8.03 | 0.9               | 2.77            | 101.5 |
| 1309     | 3/4/2011 3:01  | 9.29   | 44.88  | 28.82        | 9.69    | 8.03 | 1.3               | 2.67            | 101.6 |
| 1310     | 3/4/2011 3:16  | 9.30   | 44.82  | 28.78        | 9.71    | 8.03 | 0.9               | 2.59            | 101.8 |
| 1311     | 3/4/2011 3:31  | 9.31   | 44.59  | 28.62        | 9.66    | 8.03 | 0.2               | 2.49            | 101.2 |
| 1312     | 3/4/2011 3:46  | 9.30   | 44.47  | 28.53        | 9.67    | 8.03 | 0.8               | 2.41            | 101.2 |
| 1313     | 3/4/2011 4:01  | 9.26   | 44.42  | 28.50        | 9.61    | 8.02 | 0.7               | 2.33            | 100.5 |
| 1314     | 3/4/2011 4:16  | 9.20   | 43.82  | 28.07        | 9.63    | 8.02 | 0.4               | 2.24            | 100.3 |
| 1315     | 3/4/2011 4:31  | 9.24   | 44.15  | 28.30        | 9.59    | 8.03 | 0.7               | 2.18            | 100.1 |
| 1316     | 3/4/2011 4:46  | 9.23   | 44.05  | 28.23        | 9.61    | 8.03 | 1.2               | 2.14            | 100.3 |
| 1317     | 3/4/2011 5:01  | 9.18   | 44.08  | 28.25        | 9.60    | 8.03 | 0.9               | 2.08            | 100.0 |
| 1318     | 3/4/2011 5:16  | 9.21   | 43.94  | 28.15        | 9.58    | 8.03 | 1.1               | 2.08            | 99.8  |
| 1319     | 3/4/2011 5:31  | 9.22   | 43.87  | 28.11        | 9.53    | 8.03 | 0.7               | 2.08            | 99.3  |
| 1320     | 3/4/2011 5:46  | 9.25   | 44.06  | 28.24        | 9.52    | 8.03 | 0.9               | 2.08            | 99.3  |
| 1321     | 3/4/2011 6:01  | 9.26   | 44.11  | 28.28        | 9.59    | 8.03 | 0.6               | 2.13            | 100.1 |
| 1322     | 3/4/2011 6:16  | 9.26   | 44.08  | 28.26        | 9.60    | 8.02 | 0.2               | 2.19            | 100.2 |
| 1323     | 3/4/2011 6:31  | 9.24   | 43.34  | 27.73        | 9.64    | 8.02 | 0.7               | 2.25            | 100.3 |
| 1324     | 3/4/2011 6:46  | 9.26   | 43.51  | 27.85        | 9.60    | 8.03 | 0.4               | 2.33            | 100.0 |

sonde #2

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%    |
|----------|----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|--------|
| 1325     | 3/4/2011 7:01  | 9.28   | 43.68           | 27.97        | 9.57            | 8.02 | 0.5               | 2.41            | 99.8   |
| 1326     | 3/4/2011 7:16  | 9.29   | 43.71           | 27.99        | 9.61            | 8.02 | 0.8               | 2.49            | 100.3  |
| 1327     | 3/4/2011 7:31  | 9.32   | 44.30           | 28.42        | 9.59            | 8.02 | 0.9               | 2.57            | 100.3  |
| 1328     | 3/4/2011 7:46  | 9.32   | 43.90           | 28.13        | 9.64            | 8.02 | 0.7               | 2.66            | 100.7  |
| 1329     | 3/4/2011 8:01  | 9.37   | 45.00           | 28.91        | 9.52            | 8.02 | 1.1               | 2.72            | 100.1  |
| 1330     | 3/4/2011 8:16  | 9.41   | 45.25           | 29.10        | 9.62            | 8.03 | 0.5               | 2.81            | 101.3  |
| 1331     | 3/4/2011 8:31  | 9.38   | 45.19           | 29.05        | 9.66            | 8.03 | 1.1               | 2.89            | 101.6  |
| 1332     | 3/4/2011 8:46  | 9.37   | 44.98           | 28.90        | 9.69            | 8.03 | 0.6               | 2.96            | 101.9  |
| 1333     | 3/4/2011 9:01  | 9.39   | 45.57           | 29.32        | 9.67            | 8.03 | 0.9               | 3.04            | 101.9  |
| 1334     | 3/4/2011 9:16  | 9.39   | 45.77           | 29.46        | 9.66            | 8.02 | 0.8               | 3.12            | 101.9  |
| 1335     | 3/4/2011 9:31  | 9.39   | 45.92           | 29.57        | 9.69            | 8.02 | 0.7               | 3.21            | 102.3  |
| 1336     | 3/4/2011 9:46  | 9.40   | 46.13           | 29.72        | 9.74            | 8.03 | 0.7               | 3.29            | 103.0  |
| 1337     | 3/4/2011 10:01 | 9.43   | 46.39           | 29.91        | 9.77            | 8.03 | 0.5               | 3.37            | 103.5  |
| 1338     | 3/4/2011 10:16 | 9.47   | 46.64           | 30.09        | 9.72            | 8.04 | 0.5               | 3.45            | 103.1  |
| 1339     | 3/4/2011 10:31 | 9.47   | 46.91           | 30.29        | 9.77            | 8.04 | 0.7               | 3.52            | 103.8  |
| 1340     | 3/4/2011 10:46 | 9.49   | 47.21           | 30.50        | 9.73            | 8.04 | 0.5               | 3.58            | 103.6  |
|          | Mean           | 9.13   | 45.44           | 29.22        | 9.75            | 8.05 | 4.23              | 2.73            | 102.13 |
|          | Minimum        | 7.90   | 40.64           | 25.82        | 9.11            | 7.97 | 0.00              | 1.17            | 95.10  |
|          | Maximum        | 10.03  | 48.86           | 31.68        | 11.05           | 8.26 | 24.40             | 4.09            | 114.50 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

Turbidity readings negative during parts of deployment



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 0        | 3/4/2011 11:46 | 9.51   | 47.98  | 31.05        | 9.40    | 7.89 | 2.4               | 3.57            | 100.4 |
| 1        | 3/4/2011 12:01 | 9.51   | 48.13  | 31.16        | 9.41    | 8.07 | 2.1               | 3.54            | 100.7 |
| 2        | 3/4/2011 12:16 | 9.51   | 48.02  | 31.08        | 9.44    | 7.90 | 3.5               | 3.50            | 101.0 |
| 3        | 3/4/2011 12:31 | 9.57   | 47.49  | 30.71        | 9.50    | 7.90 | 2.9               | 3.45            | 101.4 |
| 4        | 3/4/2011 12:46 | 9.72   | 46.83  | 30.24        | 9.68    | 7.90 | 3.7               | 3.38            | 103.4 |
| 5        | 3/4/2011 13:01 | 9.99   | 46.31  | 29.89        | 9.95    | 7.92 | 3.3               | 3.27            | 106.7 |
| 6        | 3/4/2011 13:16 | 9.96   | 46.03  | 29.69        | 9.96    | 8.10 | 2.9               | 3.18            | 106.6 |
| 7        | 3/4/2011 13:31 | 9.97   | 45.81  | 29.53        | 9.96    | 8.10 | 2.9               | 3.08            | 106.5 |
| 8        | 3/4/2011 13:46 | 10.03  | 45.59  | 29.38        | 9.93    | 8.09 | 2.9               | 2.97            | 106.2 |
| 9        | 3/4/2011 14:01 | 9.99   | 45.71  | 29.46        | 9.82    | 7.90 | 3.1               | 2.86            | 105.0 |
| 10       | 3/4/2011 14:16 | 10.00  | 45.86  | 29.56        | 9.92    | 7.91 | 3.2               | 2.76            | 106.1 |
| 11       | 3/4/2011 14:31 | 9.98   | 45.59  | 29.37        | 9.95    | 7.91 | 3.2               | 2.63            | 106.3 |
| 12       | 3/4/2011 14:46 | 9.98   | 45.19  | 29.09        | 9.82    | 7.90 | 4.7               | 2.54            | 104.7 |
| 13       | 3/4/2011 15:01 | 10.03  | 45.50  | 29.31        | 9.92    | 8.09 | 3.2               | 2.43            | 106.1 |
| 14       | 3/4/2011 15:16 | 9.99   | 44.80  | 28.81        | 9.93    | 8.08 | 4.1               | 2.31            | 105.8 |
| 15       | 3/4/2011 15:31 | 10.06  | 44.98  | 28.94        | 10.20   | 7.93 | 3.2               | 2.19            | 108.9 |
| 16       | 3/4/2011 15:46 | 10.08  | 44.87  | 28.86        | 10.13   | 8.11 | 3.6               | 2.07            | 108.1 |
| 17       | 3/4/2011 16:01 | 10.07  | 44.42  | 28.54        | 10.08   | 7.92 | 3.8               | 1.99            | 107.3 |
| 18       | 3/4/2011 16:16 | 10.13  | 44.69  | 28.74        | 10.20   | 8.12 | 3.4               | 1.86            | 108.9 |
| 19       | 3/4/2011 16:31 | 10.15  | 44.59  | 28.67        | 10.20   | 7.94 | 3.4               | 1.77            | 108.9 |
| 20       | 3/4/2011 16:46 | 10.17  | 44.45  | 28.57        | 10.14   | 7.93 | 3.1               | 1.69            | 108.2 |
| 21       | 3/4/2011 17:01 | 10.19  | 44.29  | 28.46        | 10.10   | 7.93 | 3.1               | 1.63            | 107.8 |
| 22       | 3/4/2011 17:16 | 10.18  | 44.24  | 28.42        | 10.02   | 7.92 | 2.4               | 1.58            | 106.9 |
| 23       | 3/4/2011 17:31 | 10.19  | 44.15  | 28.36        | 9.98    | 7.92 | 2.1               | 1.54            | 106.4 |
| 24       | 3/4/2011 17:46 | 10.18  | 44.17  | 28.37        | 10.08   | 7.92 | 3.0               | 1.57            | 107.5 |
| 25       | 3/4/2011 18:01 | 10.16  | 44.25  | 28.43        | 10.04   | 7.92 | 2.3               | 1.59            | 107.0 |
| 26       | 3/4/2011 18:16 | 10.14  | 44.22  | 28.41        | 10.02   | 7.91 | 2.1               | 1.63            | 106.8 |
| 27       | 3/4/2011 18:31 | 10.14  | 43.78  | 28.09        | 10.05   | 7.91 | 2.7               | 1.70            | 106.8 |
| 28       | 3/4/2011 18:46 | 10.14  | 43.24  | 27.71        | 10.06   | 7.91 | 3.5               | 1.78            | 106.7 |
| 29       | 3/4/2011 19:01 | 10.12  | 42.91  | 27.48        | 10.05   | 8.08 | 4.4               | 1.86            | 106.4 |
| 30       | 3/4/2011 19:16 | 10.09  | 42.77  | 27.38        | 10.02   | 7.89 | 4.8               | 1.96            | 106.0 |
| 31       | 3/4/2011 19:31 | 10.07  | 43.12  | 27.62        | 9.97    | 7.89 | 4.3               | 2.04            | 105.5 |
| 32       | 3/4/2011 19:46 | 10.06  | 43.76  | 28.08        | 9.90    | 7.89 | 3.5               | 2.13            | 105.0 |
| 33       | 3/4/2011 20:01 | 10.02  | 43.34  | 27.78        | 9.83    | 7.87 | 3.8               | 2.22            | 104.0 |
| 34       | 3/4/2011 20:16 | 9.98   | 43.85  | 28.13        | 9.76    | 7.87 | 3.6               | 2.32            | 103.4 |
| 35       | 3/4/2011 20:31 | 9.91   | 44.50  | 28.60        | 9.63    | 7.86 | 3.5               | 2.39            | 102.3 |
| 36       | 3/4/2011 20:46 | 9.91   | 44.84  | 28.84        | 9.62    | 7.86 | 3.3               | 2.48            | 102.2 |
| 37       | 3/4/2011 21:01 | 9.94   | 44.94  | 28.90        | 9.67    | 8.04 | 3.5               | 2.57            | 102.9 |
| 38       | 3/4/2011 21:16 | 9.94   | 44.91  | 28.89        | 9.66    | 7.86 | 3.8               | 2.66            | 102.8 |
| 39       | 3/4/2011 21:31 | 9.93   | 44.98  | 28.93        | 9.64    | 7.85 | 4.5               | 2.74            | 102.6 |
| 40       | 3/4/2011 21:46 | 9.90   | 45.27  | 29.14        | 9.60    | 8.03 | 5.4               | 2.83            | 102.2 |
| 41       | 3/4/2011 22:01 | 9.88   | 45.60  | 29.37        | 9.60    | 7.85 | 6.6               | 2.92            | 102.3 |
| 42       | 3/4/2011 22:16 | 9.87   | 45.87  | 29.56        | 9.57    | 7.85 | 6.8               | 3.01            | 102.1 |
| 43       | 3/4/2011 22:31 | 9.86   | 46.26  | 29.84        | 9.54    | 7.85 | 5.9               | 3.10            | 102.0 |
| 44       | 3/4/2011 22:46 | 9.83   | 46.74  | 30.19        | 9.53    | 8.03 | 5.1               | 3.18            | 102.0 |
| 45       | 3/4/2011 23:01 | 9.82   | 47.17  | 30.49        | 9.51    | 8.03 | 6.2               | 3.26            | 101.9 |
| 46       | 3/4/2011 23:16 | 9.81   | 47.54  | 30.75        | 9.52    | 8.04 | 5.0               | 3.34            | 102.2 |
| 47       | 3/4/2011 23:31 | 9.80   | 47.63  | 30.82        | 9.54    | 7.86 | 4.0               | 3.40            | 102.5 |
| 48       | 3/4/2011 23:46 | 9.80   | 47.70  | 30.87        | 9.53    | 8.04 | 3.4               | 3.45            | 102.3 |
| 49       | 3/5/2011 0:01  | 9.80   | 47.70  | 30.87        | 9.43    | 8.04 | 2.5               | 3.49            | 101.3 |
| 50       | 3/5/2011 0:16  | 9.79   | 47.68  | 30.85        | 9.47    | 8.04 | 2.6               | 3.52            | 101.7 |
| 51       | 3/5/2011 0:31  | 9.81   | 47.56  | 30.77        | 9.37    | 7.84 | 2.3               | 3.51            | 100.7 |
| 52       | 3/5/2011 0:46  | 9.79   | 47.68  | 30.86        | 9.48    | 8.04 | 3.2               | 3.48            | 101.8 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 53       | 3/5/2011 1:01  | 9.83   | 46.76  | 30.20        | 9.44    | 7.84 | 3.3               | 3.44            | 101.1 |
| 54       | 3/5/2011 1:16  | 9.83   | 46.68  | 30.14        | 9.42    | 7.84 | 3.9               | 3.37            | 100.8 |
| 55       | 3/5/2011 1:31  | 9.84   | 46.43  | 29.97        | 9.44    | 7.84 | 3.5               | 3.28            | 100.9 |
| 56       | 3/5/2011 1:46  | 9.85   | 46.05  | 29.69        | 9.44    | 7.83 | 4.0               | 3.18            | 100.8 |
| 57       | 3/5/2011 2:01  | 9.88   | 45.74  | 29.48        | 9.46    | 7.83 | 4.6               | 3.09            | 100.9 |
| 58       | 3/5/2011 2:16  | 9.88   | 45.52  | 29.32        | 9.46    | 7.83 | 4.4               | 2.97            | 100.8 |
| 59       | 3/5/2011 2:31  | 9.88   | 45.57  | 29.35        | 9.45    | 8.01 | 4.0               | 2.88            | 100.7 |
| 60       | 3/5/2011 2:46  | 9.89   | 45.43  | 29.26        | 9.45    | 8.01 | 4.3               | 2.79            | 100.6 |
| 61       | 3/5/2011 3:01  | 9.89   | 45.46  | 29.27        | 9.41    | 7.82 | 3.8               | 2.68            | 100.3 |
| 62       | 3/5/2011 3:16  | 9.89   | 45.52  | 29.32        | 9.42    | 7.82 | 3.6               | 2.59            | 100.4 |
| 63       | 3/5/2011 3:31  | 9.93   | 44.51  | 28.60        | 9.46    | 7.83 | 4.2               | 2.51            | 100.5 |
| 64       | 3/5/2011 3:46  | 9.93   | 44.62  | 28.68        | 9.43    | 8.01 | 3.8               | 2.41            | 100.2 |
| 65       | 3/5/2011 4:01  | 9.94   | 44.44  | 28.55        | 9.47    | 7.82 | 3.1               | 2.31            | 100.5 |
| 66       | 3/5/2011 4:16  | 9.94   | 44.43  | 28.55        | 9.41    | 7.82 | 3.2               | 2.22            | 100.0 |
| 67       | 3/5/2011 4:31  | 9.98   | 43.95  | 28.21        | 9.42    | 8.00 | 3.0               | 2.15            | 99.9  |
| 68       | 3/5/2011 4:46  | 9.98   | 44.13  | 28.33        | 9.37    | 8.00 | 2.7               | 2.05            | 99.5  |
| 69       | 3/5/2011 5:01  | 10.01  | 43.79  | 28.10        | 9.43    | 8.01 | 2.6               | 1.97            | 100.0 |
| 70       | 3/5/2011 5:16  | 10.02  | 43.54  | 27.92        | 9.43    | 7.83 | 2.6               | 1.93            | 99.9  |
| 71       | 3/5/2011 5:31  | 10.02  | 43.60  | 27.96        | 9.37    | 7.82 | 2.4               | 1.88            | 99.3  |
| 72       | 3/5/2011 5:46  | 10.03  | 43.55  | 27.93        | 9.37    | 7.83 | 2.3               | 1.83            | 99.3  |
| 73       | 3/5/2011 6:01  | 10.02  | 43.62  | 27.98        | 9.40    | 8.00 | 2.8               | 1.84            | 99.6  |
| 74       | 3/5/2011 6:16  | 10.03  | 43.76  | 28.07        | 9.40    | 7.83 | 2.4               | 1.85            | 99.7  |
| 75       | 3/5/2011 6:31  | 10.01  | 43.78  | 28.08        | 9.39    | 8.00 | 2.4               | 1.89            | 99.5  |
| 76       | 3/5/2011 6:46  | 10.01  | 43.74  | 28.06        | 9.40    | 8.00 | 2.6               | 1.94            | 99.7  |
| 77       | 3/5/2011 7:01  | 9.99   | 43.21  | 27.68        | 9.41    | 7.82 | 2.8               | 2.01            | 99.5  |
| 78       | 3/5/2011 7:16  | 9.97   | 42.69  | 27.31        | 9.45    | 7.81 | 3.8               | 2.10            | 99.6  |
| 79       | 3/5/2011 7:31  | 9.97   | 43.21  | 27.68        | 9.40    | 7.81 | 3.0               | 2.17            | 99.4  |
| 80       | 3/5/2011 7:46  | 9.97   | 43.64  | 27.99        | 9.42    | 7.81 | 3.2               | 2.25            | 99.7  |
| 81       | 3/5/2011 8:01  | 9.94   | 44.02  | 28.26        | 9.40    | 7.81 | 3.1               | 2.34            | 99.6  |
| 82       | 3/5/2011 8:16  | 9.92   | 44.24  | 28.41        | 9.37    | 7.81 | 3.1               | 2.42            | 99.4  |
| 83       | 3/5/2011 8:31  | 9.91   | 44.74  | 28.77        | 9.38    | 7.81 | 2.9               | 2.50            | 99.7  |
| 84       | 3/5/2011 8:46  | 9.92   | 44.80  | 28.80        | 9.41    | 7.82 | 3.1               | 2.58            | 100.1 |
| 85       | 3/5/2011 9:01  | 9.93   | 45.09  | 29.01        | 9.43    | 8.00 | 2.9               | 2.66            | 100.4 |
| 86       | 3/5/2011 9:16  | 9.95   | 44.98  | 28.94        | 9.46    | 7.82 | 3.1               | 2.74            | 100.7 |
| 87       | 3/5/2011 9:31  | 9.95   | 45.16  | 29.07        | 9.45    | 8.00 | 3.3               | 2.81            | 100.7 |
| 88       | 3/5/2011 9:46  | 9.93   | 45.36  | 29.20        | 9.42    | 7.82 | 3.1               | 2.89            | 100.4 |
| 89       | 3/5/2011 10:01 | 9.90   | 45.64  | 29.40        | 9.40    | 7.82 | 3.7               | 2.98            | 100.3 |
| 90       | 3/5/2011 10:16 | 9.89   | 45.78  | 29.50        | 9.43    | 7.82 | 4.8               | 3.05            | 100.6 |
| 91       | 3/5/2011 10:31 | 9.88   | 46.04  | 29.69        | 9.45    | 7.82 | 4.4               | 3.13            | 100.9 |
| 92       | 3/5/2011 10:46 | 9.89   | 46.15  | 29.77        | 9.45    | 7.83 | 3.8               | 3.22            | 101.0 |
| 93       | 3/5/2011 11:01 | 9.89   | 46.35  | 29.91        | 9.46    | 7.83 | 3.5               | 3.30            | 101.3 |
| 94       | 3/5/2011 11:16 | 9.88   | 46.59  | 30.08        | 9.46    | 8.01 | 3.3               | 3.35            | 101.3 |
| 95       | 3/5/2011 11:31 | 9.87   | 46.73  | 30.18        | 9.47    | 8.02 | 3.4               | 3.42            | 101.4 |
| 96       | 3/5/2011 11:46 | 9.85   | 46.80  | 30.23        | 9.42    | 8.02 | 2.3               | 3.48            | 100.9 |
| 97       | 3/5/2011 12:01 | 9.85   | 46.87  | 30.28        | 9.48    | 8.02 | 2.9               | 3.51            | 101.6 |
| 98       | 3/5/2011 12:16 | 9.85   | 46.87  | 30.28        | 9.37    | 8.02 | 1.6               | 3.51            | 100.4 |
| 99       | 3/5/2011 12:31 | 9.87   | 46.67  | 30.14        | 9.44    | 7.83 | 2.5               | 3.52            | 101.1 |
| 100      | 3/5/2011 12:46 | 9.87   | 46.84  | 30.26        | 9.44    | 8.02 | 2.6               | 3.49            | 101.2 |
| 101      | 3/5/2011 13:01 | 9.87   | 46.79  | 30.22        | 9.44    | 7.83 | 2.9               | 3.44            | 101.1 |
| 102      | 3/5/2011 13:16 | 10.07  | 46.05  | 29.70        | 9.75    | 8.03 | 3.1               | 3.36            | 104.6 |
| 103      | 3/5/2011 13:31 | 10.09  | 45.58  | 29.37        | 9.67    | 7.84 | 3.1               | 3.27            | 103.5 |
| 104      | 3/5/2011 13:46 | 10.09  | 45.81  | 29.54        | 9.66    | 8.02 | 3.7               | 3.19            | 103.5 |
| 105      | 3/5/2011 14:01 | 10.13  | 45.43  | 29.26        | 9.67    | 7.84 | 2.6               | 3.07            | 103.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 106      | 3/5/2011 14:16 | 10.15  | 45.28  | 29.16        | 9.66    | 7.84 | 2.6        | 2.97   | 103.4 |
| 107      | 3/5/2011 14:31 | 10.20  | 44.91  | 28.90        | 9.68    | 7.83 | 2.8        | 2.87   | 103.6 |
| 108      | 3/5/2011 14:46 | 10.18  | 45.16  | 29.08        | 9.69    | 7.84 | 2.3        | 2.77   | 103.8 |
| 109      | 3/5/2011 15:01 | 10.18  | 45.11  | 29.04        | 9.67    | 7.84 | 2.9        | 2.66   | 103.5 |
| 110      | 3/5/2011 15:16 | 10.18  | 44.86  | 28.86        | 9.67    | 7.83 | 3.2        | 2.56   | 103.4 |
| 111      | 3/5/2011 15:31 | 10.20  | 44.74  | 28.78        | 9.68    | 8.01 | 3.0        | 2.45   | 103.5 |
| 112      | 3/5/2011 15:46 | 10.24  | 44.40  | 28.54        | 9.76    | 7.84 | 3.2        | 2.35   | 104.3 |
| 113      | 3/5/2011 16:01 | 10.28  | 44.23  | 28.42        | 9.80    | 7.85 | 3.0        | 2.24   | 104.7 |
| 114      | 3/5/2011 16:16 | 10.29  | 43.92  | 28.20        | 9.87    | 7.85 | 2.8        | 2.14   | 105.4 |
| 115      | 3/5/2011 16:31 | 10.34  | 43.95  | 28.23        | 9.85    | 8.03 | 2.6        | 2.03   | 105.2 |
| 116      | 3/5/2011 16:46 | 10.39  | 43.56  | 27.95        | 9.85    | 7.86 | 2.7        | 1.94   | 105.2 |
| 117      | 3/5/2011 17:01 | 10.44  | 43.41  | 27.85        | 9.84    | 7.86 | 2.9        | 1.84   | 105.2 |
| 118      | 3/5/2011 17:16 | 10.45  | 43.39  | 27.84        | 9.77    | 8.04 | 2.9        | 1.77   | 104.4 |
| 119      | 3/5/2011 17:31 | 10.46  | 43.26  | 27.74        | 9.75    | 7.86 | 3.4        | 1.70   | 104.2 |
| 120      | 3/5/2011 17:46 | 10.46  | 43.16  | 27.67        | 9.64    | 7.85 | 2.5        | 1.67   | 103.0 |
| 121      | 3/5/2011 18:01 | 10.47  | 42.96  | 27.53        | 9.60    | 7.85 | 2.9        | 1.64   | 102.4 |
| 122      | 3/5/2011 18:16 | 10.44  | 43.20  | 27.70        | 9.63    | 7.84 | 1.9        | 1.63   | 102.8 |
| 123      | 3/5/2011 18:31 | 10.43  | 43.23  | 27.72        | 9.62    | 7.84 | 2.0        | 1.67   | 102.7 |
| 124      | 3/5/2011 18:46 | 10.41  | 43.22  | 27.71        | 9.68    | 7.84 | 2.7        | 1.70   | 103.3 |
| 125      | 3/5/2011 19:01 | 10.42  | 43.27  | 27.75        | 9.67    | 7.84 | 2.4        | 1.75   | 103.2 |
| 126      | 3/5/2011 19:16 | 10.41  | 42.60  | 27.27        | 9.64    | 7.83 | 3.1        | 1.84   | 102.6 |
| 127      | 3/5/2011 19:31 | 10.38  | 41.87  | 26.76        | 9.71    | 7.83 | 3.7        | 1.93   | 102.9 |
| 128      | 3/5/2011 19:46 | 10.35  | 42.57  | 27.24        | 9.65    | 7.83 | 3.0        | 2.01   | 102.5 |
| 129      | 3/5/2011 20:01 | 10.33  | 42.50  | 27.20        | 9.65    | 8.00 | 3.1        | 2.11   | 102.5 |
| 130      | 3/5/2011 20:16 | 10.30  | 42.60  | 27.27        | 9.63    | 7.83 | 3.0        | 2.20   | 102.2 |
| 131      | 3/5/2011 20:31 | 10.25  | 43.08  | 27.60        | 9.61    | 7.82 | 3.0        | 2.28   | 102.1 |
| 132      | 3/5/2011 20:46 | 10.22  | 43.80  | 28.11        | 9.54    | 7.99 | 2.7        | 2.37   | 101.7 |
| 133      | 3/5/2011 21:01 | 10.19  | 44.24  | 28.42        | 9.51    | 7.99 | 3.1        | 2.45   | 101.5 |
| 134      | 3/5/2011 21:16 | 10.18  | 44.30  | 28.46        | 9.53    | 7.82 | 2.9        | 2.54   | 101.7 |
| 135      | 3/5/2011 21:31 | 10.19  | 44.50  | 28.61        | 9.56    | 7.82 | 3.1        | 2.63   | 102.1 |
| 136      | 3/5/2011 21:46 | 10.19  | 44.58  | 28.66        | 9.56    | 7.82 | 3.5        | 2.70   | 102.1 |
| 137      | 3/5/2011 22:01 | 10.17  | 44.80  | 28.82        | 9.53    | 8.00 | 4.0        | 2.79   | 101.9 |
| 138      | 3/5/2011 22:16 | 10.15  | 44.67  | 28.73        | 9.53    | 7.82 | 3.5        | 2.88   | 101.8 |
| 139      | 3/5/2011 22:31 | 10.12  | 44.88  | 28.87        | 9.52    | 7.99 | 3.6        | 2.97   | 101.7 |
| 140      | 3/5/2011 22:46 | 10.09  | 45.13  | 29.05        | 9.51    | 8.00 | 4.2        | 3.05   | 101.7 |
| 141      | 3/5/2011 23:01 | 10.07  | 45.20  | 29.10        | 9.51    | 8.00 | 4.6        | 3.14   | 101.6 |
| 142      | 3/5/2011 23:16 | 10.05  | 45.49  | 29.31        | 9.50    | 8.00 | 4.6        | 3.23   | 101.6 |
| 143      | 3/5/2011 23:31 | 10.02  | 45.88  | 29.58        | 9.48    | 7.83 | 4.8        | 3.29   | 101.5 |
| 144      | 3/5/2011 23:46 | 9.99   | 46.23  | 29.83        | 9.43    | 8.01 | 4.4        | 3.37   | 101.1 |
| 145      | 3/6/2011 0:01  | 9.98   | 46.41  | 29.96        | 9.44    | 8.01 | 4.3        | 3.43   | 101.3 |
| 146      | 3/6/2011 0:16  | 9.97   | 46.44  | 29.98        | 9.46    | 7.83 | 3.6        | 3.48   | 101.4 |
| 147      | 3/6/2011 0:31  | 9.96   | 46.37  | 29.93        | 9.42    | 7.83 | 2.6        | 3.51   | 100.9 |
| 148      | 3/6/2011 0:46  | 9.99   | 46.08  | 29.72        | 9.40    | 7.83 | 2.9        | 3.53   | 100.7 |
| 149      | 3/6/2011 1:01  | 9.96   | 46.52  | 30.03        | 9.41    | 8.01 | 2.8        | 3.52   | 100.9 |
| 150      | 3/6/2011 1:16  | 9.96   | 46.44  | 29.98        | 9.37    | 7.83 | 2.4        | 3.50   | 100.5 |
| 151      | 3/6/2011 1:31  | 10.00  | 46.19  | 29.80        | 9.40    | 8.01 | 3.7        | 3.43   | 100.8 |
| 152      | 3/6/2011 1:46  | 10.07  | 45.30  | 29.17        | 9.38    | 7.99 | 4.7        | 3.36   | 100.3 |
| 153      | 3/6/2011 2:01  | 10.07  | 45.26  | 29.14        | 9.38    | 7.81 | 3.4        | 3.28   | 100.3 |
| 154      | 3/6/2011 2:16  | 10.09  | 45.03  | 28.98        | 9.38    | 7.99 | 3.7        | 3.17   | 100.2 |
| 155      | 3/6/2011 2:31  | 10.10  | 44.46  | 28.58        | 9.38    | 7.81 | 4.1        | 3.08   | 100.0 |
| 156      | 3/6/2011 2:46  | 10.12  | 44.11  | 28.33        | 9.37    | 7.81 | 3.5        | 2.98   | 99.7  |
| 157      | 3/6/2011 3:01  | 10.13  | 44.23  | 28.41        | 9.34    | 7.81 | 4.5        | 2.88   | 99.6  |
| 158      | 3/6/2011 3:16  | 10.15  | 43.99  | 28.24        | 9.41    | 7.99 | 4.4        | 2.79   | 100.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 159      | 3/6/2011 3:31  | 10.17  | 43.16  | 27.66        | 9.42    | 7.81 | 4.8        | 2.68   | 99.9  |
| 160      | 3/6/2011 3:46  | 10.17  | 43.47  | 27.87        | 9.41    | 7.81 | 4.1        | 2.59   | 99.9  |
| 161      | 3/6/2011 4:01  | 10.14  | 42.98  | 27.53        | 9.36    | 7.80 | 4.2        | 2.50   | 99.2  |
| 162      | 3/6/2011 4:16  | 10.15  | 42.97  | 27.52        | 9.35    | 7.80 | 3.8        | 2.40   | 99.1  |
| 163      | 3/6/2011 4:31  | 10.19  | 43.01  | 27.55        | 9.32    | 7.97 | 4.4        | 2.30   | 98.9  |
| 164      | 3/6/2011 4:46  | 10.24  | 42.79  | 27.40        | 9.28    | 7.80 | 4.0        | 2.21   | 98.5  |
| 165      | 3/6/2011 5:01  | 10.24  | 42.95  | 27.51        | 9.25    | 7.96 | 3.6        | 2.12   | 98.2  |
| 166      | 3/6/2011 5:16  | 10.26  | 42.63  | 27.28        | 9.20    | 7.79 | 3.2        | 2.02   | 97.6  |
| 167      | 3/6/2011 5:31  | 10.26  | 42.78  | 27.39        | 9.15    | 7.78 | 3.2        | 1.95   | 97.1  |
| 168      | 3/6/2011 5:46  | 10.32  | 42.70  | 27.34        | 9.14    | 7.79 | 3.0        | 1.87   | 97.1  |
| 169      | 3/6/2011 6:01  | 10.35  | 42.70  | 27.34        | 9.07    | 7.95 | 2.6        | 1.81   | 96.4  |
| 170      | 3/6/2011 6:16  | 10.38  | 42.62  | 27.28        | 9.04    | 7.95 | 2.0        | 1.79   | 96.1  |
| 171      | 3/6/2011 6:31  | 10.37  | 42.54  | 27.23        | 8.89    | 7.78 | 1.6        | 1.75   | 94.5  |
| 172      | 3/6/2011 6:46  | 10.36  | 42.66  | 27.31        | 9.10    | 7.96 | 2.8        | 1.76   | 96.7  |
| 173      | 3/6/2011 7:01  | 10.36  | 42.77  | 27.39        | 9.12    | 7.79 | 2.4        | 1.80   | 97.0  |
| 174      | 3/6/2011 7:16  | 10.34  | 42.78  | 27.40        | 9.18    | 7.79 | 2.4        | 1.84   | 97.6  |
| 175      | 3/6/2011 7:31  | 10.30  | 42.45  | 27.16        | 9.16    | 7.79 | 2.9        | 1.89   | 97.2  |
| 176      | 3/6/2011 7:46  | 10.29  | 42.05  | 26.87        | 9.18    | 7.79 | 3.2        | 1.96   | 97.2  |
| 177      | 3/6/2011 8:01  | 10.27  | 41.72  | 26.64        | 9.20    | 7.94 | 4.6        | 2.06   | 97.2  |
| 178      | 3/6/2011 8:16  | 10.25  | 41.50  | 26.49        | 9.24    | 7.78 | 4.8        | 2.15   | 97.4  |
| 179      | 3/6/2011 8:31  | 10.25  | 41.84  | 26.73        | 9.21    | 7.79 | 4.3        | 2.22   | 97.4  |
| 180      | 3/6/2011 8:46  | 10.21  | 42.08  | 26.90        | 9.25    | 7.79 | 4.5        | 2.30   | 97.7  |
| 181      | 3/6/2011 9:01  | 10.19  | 42.28  | 27.03        | 9.29    | 7.79 | 4.2        | 2.40   | 98.2  |
| 182      | 3/6/2011 9:16  | 10.17  | 43.47  | 27.88        | 9.29    | 7.80 | 3.5        | 2.46   | 98.8  |
| 183      | 3/6/2011 9:31  | 10.17  | 43.81  | 28.11        | 9.31    | 7.97 | 3.5        | 2.53   | 99.1  |
| 184      | 3/6/2011 9:46  | 10.18  | 43.82  | 28.12        | 9.34    | 7.81 | 3.2        | 2.61   | 99.4  |
| 185      | 3/6/2011 10:01 | 10.19  | 44.03  | 28.27        | 9.33    | 7.97 | 3.1        | 2.69   | 99.4  |
| 186      | 3/6/2011 10:16 | 10.18  | 44.16  | 28.37        | 9.34    | 7.97 | 3.1        | 2.77   | 99.6  |
| 187      | 3/6/2011 10:31 | 10.16  | 44.08  | 28.31        | 9.33    | 7.81 | 3.3        | 2.84   | 99.4  |
| 188      | 3/6/2011 10:46 | 10.15  | 44.23  | 28.41        | 9.33    | 7.97 | 3.5        | 2.92   | 99.4  |
| 189      | 3/6/2011 11:01 | 10.14  | 44.44  | 28.56        | 9.34    | 7.97 | 4.5        | 3.00   | 99.6  |
| 190      | 3/6/2011 11:16 | 10.14  | 44.63  | 28.70        | 9.35    | 7.98 | 4.3        | 3.08   | 99.8  |
| 191      | 3/6/2011 11:31 | 10.15  | 44.83  | 28.84        | 9.39    | 7.98 | 4.4        | 3.15   | 100.3 |
| 192      | 3/6/2011 11:46 | 10.16  | 45.03  | 28.99        | 9.40    | 7.82 | 4.3        | 3.22   | 100.6 |
| 193      | 3/6/2011 12:01 | 10.12  | 45.53  | 29.34        | 9.37    | 7.99 | 4.3        | 3.28   | 100.4 |
| 194      | 3/6/2011 12:16 | 10.11  | 45.61  | 29.40        | 9.39    | 7.82 | 4.0        | 3.34   | 100.6 |
| 195      | 3/6/2011 12:31 | 10.06  | 45.98  | 29.66        | 9.36    | 7.83 | 3.3        | 3.37   | 100.3 |
| 196      | 3/6/2011 12:46 | 10.09  | 46.33  | 29.91        | 9.38    | 8.00 | 3.3        | 3.39   | 100.8 |
| 197      | 3/6/2011 13:01 | 10.10  | 45.90  | 29.60        | 9.35    | 7.83 | 2.6        | 3.40   | 100.3 |
| 198      | 3/6/2011 13:16 | 10.08  | 46.23  | 29.84        | 9.32    | 7.83 | 2.8        | 3.39   | 100.1 |
| 199      | 3/6/2011 13:31 | 10.12  | 45.81  | 29.54        | 9.38    | 7.83 | 3.7        | 3.33   | 100.6 |
| 200      | 3/6/2011 13:46 | 10.26  | 45.46  | 29.30        | 9.41    | 8.00 | 3.5        | 3.27   | 101.1 |
| 201      | 3/6/2011 14:01 | 10.72  | 44.32  | 28.51        | 9.72    | 7.84 | 3.3        | 3.20   | 105.0 |
| 202      | 3/6/2011 14:16 | 10.74  | 44.25  | 28.46        | 9.87    | 7.85 | 3.2        | 3.10   | 106.6 |
| 203      | 3/6/2011 14:31 | 10.89  | 43.94  | 28.25        | 9.82    | 7.85 | 3.4        | 3.01   | 106.3 |
| 204      | 3/6/2011 14:46 | 10.88  | 43.86  | 28.19        | 9.78    | 8.01 | 3.7        | 2.91   | 105.8 |
| 205      | 3/6/2011 15:01 | 10.89  | 43.63  | 28.03        | 9.88    | 7.85 | 3.5        | 2.82   | 106.7 |
| 206      | 3/6/2011 15:16 | 10.95  | 43.61  | 28.01        | 9.85    | 7.85 | 4.3        | 2.73   | 106.6 |
| 207      | 3/6/2011 15:31 | 11.01  | 43.06  | 27.63        | 9.88    | 7.85 | 4.0        | 2.63   | 106.8 |
| 208      | 3/6/2011 15:46 | 11.02  | 42.97  | 27.56        | 9.81    | 7.84 | 3.9        | 2.53   | 106.0 |
| 209      | 3/6/2011 16:01 | 11.09  | 43.37  | 27.85        | 9.91    | 7.87 | 3.7        | 2.43   | 107.5 |
| 210      | 3/6/2011 16:16 | 11.09  | 42.70  | 27.37        | 9.89    | 7.85 | 4.2        | 2.33   | 106.9 |
| 211      | 3/6/2011 16:31 | 11.17  | 42.23  | 27.05        | 9.96    | 7.85 | 4.6        | 2.24   | 107.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 212      | 3/6/2011 16:46 | 11.23  | 42.43  | 27.19        | 9.93    | 7.86 | 3.8        | 2.14   | 107.6 |
| 213      | 3/6/2011 17:01 | 11.31  | 42.33  | 27.12        | 10.12   | 7.89 | 3.6        | 2.04   | 109.8 |
| 214      | 3/6/2011 17:16 | 11.31  | 42.53  | 27.26        | 10.01   | 8.04 | 3.6        | 1.97   | 108.6 |
| 215      | 3/6/2011 17:31 | 11.36  | 42.24  | 27.06        | 9.99    | 7.87 | 3.5        | 1.90   | 108.3 |
| 216      | 3/6/2011 17:46 | 11.46  | 42.18  | 27.02        | 9.99    | 7.88 | 3.2        | 1.81   | 108.6 |
| 217      | 3/6/2011 18:01 | 11.52  | 42.02  | 26.91        | 10.00   | 7.88 | 3.7        | 1.76   | 108.7 |
| 218      | 3/6/2011 18:16 | 11.54  | 42.09  | 26.96        | 9.90    | 7.88 | 3.3        | 1.73   | 107.8 |
| 219      | 3/6/2011 18:31 | 11.56  | 41.90  | 26.83        | 9.89    | 7.87 | 3.3        | 1.71   | 107.5 |
| 220      | 3/6/2011 18:46 | 11.53  | 41.89  | 26.82        | 9.84    | 7.87 | 2.7        | 1.73   | 107.0 |
| 221      | 3/6/2011 19:01 | 11.50  | 41.95  | 26.86        | 9.85    | 7.86 | 2.4        | 1.74   | 107.0 |
| 222      | 3/6/2011 19:16 | 11.49  | 42.07  | 26.95        | 9.83    | 7.86 | 2.6        | 1.78   | 106.9 |
| 223      | 3/6/2011 19:31 | 11.46  | 41.84  | 26.78        | 9.85    | 7.86 | 3.0        | 1.86   | 106.9 |
| 224      | 3/6/2011 19:46 | 11.44  | 41.60  | 26.61        | 9.82    | 7.85 | 3.2        | 1.93   | 106.5 |
| 225      | 3/6/2011 20:01 | 11.38  | 41.47  | 26.52        | 9.82    | 7.85 | 4.4        | 2.00   | 106.2 |
| 226      | 3/6/2011 20:16 | 11.33  | 41.32  | 26.41        | 9.81    | 7.84 | 4.7        | 2.09   | 105.9 |
| 227      | 3/6/2011 20:31 | 11.29  | 41.71  | 26.68        | 9.77    | 8.00 | 3.9        | 2.18   | 105.6 |
| 228      | 3/6/2011 20:46 | 11.17  | 41.47  | 26.51        | 9.78    | 7.84 | 4.8        | 2.27   | 105.3 |
| 229      | 3/6/2011 21:01 | 11.03  | 41.83  | 26.75        | 9.68    | 7.83 | 4.4        | 2.34   | 104.1 |
| 230      | 3/6/2011 21:16 | 10.88  | 42.70  | 27.37        | 9.55    | 7.82 | 3.7        | 2.42   | 102.8 |
| 231      | 3/6/2011 21:31 | 10.84  | 43.05  | 27.61        | 9.54    | 7.98 | 4.2        | 2.51   | 102.7 |
| 232      | 3/6/2011 21:46 | 10.89  | 42.96  | 27.55        | 9.58    | 7.83 | 4.1        | 2.58   | 103.2 |
| 233      | 3/6/2011 22:01 | 10.85  | 42.75  | 27.40        | 9.59    | 7.82 | 4.6        | 2.67   | 103.1 |
| 234      | 3/6/2011 22:16 | 10.83  | 43.27  | 27.76        | 9.56    | 7.82 | 4.5        | 2.76   | 103.0 |
| 235      | 3/6/2011 22:31 | 10.78  | 43.39  | 27.85        | 9.54    | 7.98 | 4.9        | 2.85   | 102.7 |
| 236      | 3/6/2011 22:46 | 10.71  | 43.70  | 28.06        | 9.55    | 7.98 | 5.7        | 2.93   | 102.8 |
| 237      | 3/6/2011 23:01 | 10.66  | 43.72  | 28.08        | 9.52    | 7.98 | 7.1        | 3.02   | 102.4 |
| 238      | 3/6/2011 23:16 | 10.57  | 43.87  | 28.18        | 9.54    | 7.83 | 7.7        | 3.11   | 102.4 |
| 239      | 3/6/2011 23:31 | 10.52  | 44.36  | 28.53        | 9.51    | 7.83 | 7.5        | 3.19   | 102.3 |
| 240      | 3/6/2011 23:46 | 10.45  | 44.76  | 28.81        | 9.51    | 7.83 | 7.9        | 3.27   | 102.3 |
| 241      | 3/7/2011 0:01  | 10.39  | 45.20  | 29.12        | 9.52    | 7.83 | 6.7        | 3.35   | 102.4 |
| 242      | 3/7/2011 0:16  | 10.37  | 45.64  | 29.43        | 9.43    | 7.99 | 5.9        | 3.41   | 101.6 |
| 243      | 3/7/2011 0:31  | 10.36  | 45.23  | 29.14        | 9.48    | 7.83 | 4.5        | 3.46   | 101.9 |
| 244      | 3/7/2011 0:46  | 10.35  | 45.74  | 29.50        | 9.45    | 7.83 | 4.7        | 3.50   | 101.9 |
| 245      | 3/7/2011 1:01  | 10.34  | 45.54  | 29.36        | 9.43    | 7.83 | 3.4        | 3.51   | 101.6 |
| 246      | 3/7/2011 1:16  | 10.35  | 45.53  | 29.35        | 9.40    | 7.83 | 3.9        | 3.52   | 101.3 |
| 247      | 3/7/2011 1:31  | 10.35  | 45.68  | 29.46        | 9.39    | 8.00 | 4.5        | 3.51   | 101.2 |
| 248      | 3/7/2011 1:46  | 10.35  | 45.80  | 29.54        | 9.41    | 7.83 | 4.2        | 3.45   | 101.5 |
| 249      | 3/7/2011 2:01  | 10.36  | 45.57  | 29.38        | 9.42    | 7.99 | 5.3        | 3.39   | 101.4 |
| 250      | 3/7/2011 2:16  | 10.40  | 44.79  | 28.82        | 9.41    | 7.82 | 4.6        | 3.32   | 101.1 |
| 251      | 3/7/2011 2:31  | 10.42  | 43.30  | 27.77        | 9.45    | 7.82 | 6.5        | 3.22   | 100.9 |
| 252      | 3/7/2011 2:46  | 10.46  | 42.92  | 27.50        | 9.45    | 7.81 | 7.3        | 3.13   | 100.8 |
| 253      | 3/7/2011 3:01  | 10.51  | 43.68  | 28.04        | 9.43    | 7.82 | 6.9        | 3.03   | 101.1 |
| 254      | 3/7/2011 3:16  | 10.57  | 42.85  | 27.45        | 9.46    | 7.97 | 7.0        | 2.92   | 101.1 |
| 255      | 3/7/2011 3:31  | 10.58  | 42.36  | 27.11        | 9.46    | 7.81 | 6.5        | 2.82   | 101.0 |
| 256      | 3/7/2011 3:46  | 10.57  | 42.10  | 26.92        | 9.44    | 7.81 | 5.8        | 2.73   | 100.6 |
| 257      | 3/7/2011 4:01  | 10.50  | 42.02  | 26.87        | 9.39    | 7.96 | 5.2        | 2.63   | 99.8  |
| 258      | 3/7/2011 4:16  | 10.47  | 41.93  | 26.80        | 9.39    | 7.95 | 5.4        | 2.51   | 99.8  |
| 259      | 3/7/2011 4:31  | 10.55  | 41.74  | 26.67        | 9.39    | 7.96 | 6.0        | 2.41   | 99.8  |
| 260      | 3/7/2011 4:46  | 10.53  | 41.83  | 26.73        | 9.33    | 7.80 | 5.4        | 2.31   | 99.2  |
| 261      | 3/7/2011 5:01  | 10.56  | 41.66  | 26.62        | 9.34    | 7.95 | 5.2        | 2.21   | 99.3  |
| 262      | 3/7/2011 5:16  | 10.56  | 41.29  | 26.36        | 9.26    | 7.79 | 4.9        | 2.10   | 98.3  |
| 263      | 3/7/2011 5:31  | 10.72  | 41.17  | 26.28        | 9.27    | 7.80 | 5.2        | 2.00   | 98.7  |
| 264      | 3/7/2011 5:46  | 10.71  | 41.03  | 26.18        | 9.21    | 7.79 | 5.0        | 1.92   | 98.0  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 265      | 3/7/2011 6:01  | 10.71  | 41.04  | 26.18        | 9.18    | 7.79 | 4.9        | 1.83   | 97.7  |
| 266      | 3/7/2011 6:16  | 10.74  | 40.88  | 26.07        | 9.14    | 7.78 | 4.9        | 1.75   | 97.2  |
| 267      | 3/7/2011 6:31  | 10.81  | 40.82  | 26.03        | 9.07    | 7.78 | 4.9        | 1.71   | 96.6  |
| 268      | 3/7/2011 6:46  | 10.85  | 40.69  | 25.95        | 8.98    | 7.78 | 4.0        | 1.66   | 95.6  |
| 269      | 3/7/2011 7:01  | 10.88  | 40.78  | 26.01        | 9.10    | 7.78 | 4.0        | 1.62   | 97.1  |
| 270      | 3/7/2011 7:16  | 10.91  | 40.90  | 26.09        | 9.11    | 7.79 | 4.2        | 1.65   | 97.3  |
| 271      | 3/7/2011 7:31  | 10.80  | 40.86  | 26.06        | 9.09    | 7.93 | 4.5        | 1.66   | 96.8  |
| 272      | 3/7/2011 7:46  | 10.86  | 40.94  | 26.12        | 9.14    | 7.94 | 4.6        | 1.70   | 97.5  |
| 273      | 3/7/2011 8:01  | 10.83  | 40.76  | 25.99        | 9.16    | 7.79 | 5.1        | 1.76   | 97.6  |
| 274      | 3/7/2011 8:16  | 10.80  | 39.91  | 25.39        | 9.20    | 7.78 | 6.2        | 1.83   | 97.5  |
| 275      | 3/7/2011 8:31  | 10.79  | 39.87  | 25.36        | 9.24    | 7.78 | 6.3        | 1.92   | 97.9  |
| 276      | 3/7/2011 8:46  | 10.78  | 39.82  | 25.33        | 9.22    | 7.78 | 6.0        | 2.00   | 97.7  |
| 277      | 3/7/2011 9:01  | 10.80  | 40.49  | 25.80        | 9.19    | 7.93 | 5.2        | 2.08   | 97.7  |
| 278      | 3/7/2011 9:16  | 10.75  | 40.22  | 25.61        | 9.25    | 7.93 | 5.9        | 2.16   | 98.1  |
| 279      | 3/7/2011 9:31  | 10.70  | 40.73  | 25.97        | 9.29    | 7.79 | 5.3        | 2.25   | 98.7  |
| 280      | 3/7/2011 9:46  | 10.67  | 41.23  | 26.32        | 9.30    | 7.94 | 4.8        | 2.32   | 99.0  |
| 281      | 3/7/2011 10:01 | 10.66  | 41.80  | 26.72        | 9.33    | 7.80 | 4.1        | 2.39   | 99.5  |
| 282      | 3/7/2011 10:16 | 10.68  | 42.31  | 27.08        | 9.34    | 7.81 | 4.1        | 2.47   | 99.9  |
| 283      | 3/7/2011 10:31 | 10.69  | 42.42  | 27.16        | 9.37    | 7.81 | 4.2        | 2.55   | 100.3 |
| 284      | 3/7/2011 10:46 | 10.69  | 42.71  | 27.36        | 9.36    | 7.96 | 4.2        | 2.62   | 100.3 |
| 285      | 3/7/2011 11:01 | 10.66  | 42.75  | 27.39        | 9.36    | 7.96 | 3.7        | 2.69   | 100.2 |
| 286      | 3/7/2011 11:16 | 10.62  | 42.55  | 27.25        | 9.38    | 7.81 | 4.3        | 2.78   | 100.2 |
| 287      | 3/7/2011 11:31 | 10.58  | 42.66  | 27.32        | 9.37    | 7.81 | 5.1        | 2.85   | 100.1 |
| 288      | 3/7/2011 11:46 | 10.54  | 42.82  | 27.43        | 9.39    | 7.81 | 5.2        | 2.92   | 100.4 |
| 289      | 3/7/2011 12:01 | 10.52  | 43.03  | 27.58        | 9.41    | 7.96 | 5.3        | 2.99   | 100.5 |
| 290      | 3/7/2011 12:16 | 10.49  | 43.17  | 27.68        | 9.41    | 7.96 | 4.9        | 3.06   | 100.6 |
| 291      | 3/7/2011 12:31 | 10.46  | 43.62  | 27.99        | 9.39    | 7.97 | 5.0        | 3.12   | 100.4 |
| 292      | 3/7/2011 12:46 | 10.39  | 44.22  | 28.42        | 9.33    | 7.97 | 4.6        | 3.17   | 100.0 |
| 293      | 3/7/2011 13:01 | 10.33  | 44.51  | 28.62        | 9.42    | 7.98 | 4.9        | 3.21   | 100.9 |
| 294      | 3/7/2011 13:16 | 10.30  | 44.96  | 28.94        | 9.35    | 7.98 | 3.8        | 3.24   | 100.3 |
| 295      | 3/7/2011 13:31 | 10.33  | 44.49  | 28.60        | 9.41    | 7.83 | 3.2        | 3.26   | 100.8 |
| 296      | 3/7/2011 13:46 | 10.27  | 44.90  | 28.89        | 9.33    | 7.82 | 3.4        | 3.25   | 100.0 |
| 297      | 3/7/2011 14:01 | 10.27  | 45.13  | 29.06        | 9.33    | 7.98 | 3.4        | 3.21   | 100.1 |
| 298      | 3/7/2011 14:16 | 10.54  | 43.48  | 27.90        | 9.47    | 7.82 | 4.9        | 3.17   | 101.4 |
| 299      | 3/7/2011 14:31 | 10.67  | 43.10  | 27.64        | 9.54    | 7.83 | 4.1        | 3.12   | 102.3 |
| 300      | 3/7/2011 14:46 | 10.60  | 43.06  | 27.61        | 9.48    | 7.82 | 4.7        | 3.04   | 101.5 |
| 301      | 3/7/2011 15:01 | 10.60  | 42.89  | 27.49        | 9.46    | 7.82 | 5.6        | 2.95   | 101.3 |
| 302      | 3/7/2011 15:16 | 10.87  | 42.26  | 27.06        | 9.61    | 7.83 | 4.3        | 2.86   | 103.1 |
| 303      | 3/7/2011 15:31 | 10.93  | 42.36  | 27.12        | 9.65    | 7.84 | 4.0        | 2.78   | 103.7 |
| 304      | 3/7/2011 15:46 | 10.97  | 42.24  | 27.04        | 9.71    | 7.99 | 4.0        | 2.69   | 104.4 |
| 305      | 3/7/2011 16:01 | 10.95  | 42.09  | 26.94        | 9.69    | 7.99 | 3.7        | 2.61   | 104.2 |
| 306      | 3/7/2011 16:16 | 10.95  | 41.69  | 26.65        | 9.67    | 7.84 | 3.8        | 2.51   | 103.7 |
| 307      | 3/7/2011 16:31 | 10.94  | 41.86  | 26.77        | 9.66    | 7.84 | 3.7        | 2.43   | 103.6 |
| 308      | 3/7/2011 16:46 | 10.94  | 41.55  | 26.56        | 9.76    | 7.84 | 4.3        | 2.35   | 104.6 |
| 309      | 3/7/2011 17:01 | 10.99  | 40.90  | 26.10        | 9.61    | 7.98 | 4.1        | 2.26   | 102.8 |
| 310      | 3/7/2011 17:16 | 11.00  | 41.09  | 26.23        | 9.85    | 7.85 | 3.5        | 2.17   | 105.5 |
| 311      | 3/7/2011 17:31 | 11.06  | 40.69  | 25.96        | 9.82    | 7.85 | 4.2        | 2.09   | 105.1 |
| 312      | 3/7/2011 17:46 | 11.13  | 40.20  | 25.61        | 9.71    | 7.83 | 3.6        | 2.02   | 103.8 |
| 313      | 3/7/2011 18:01 | 11.12  | 40.16  | 25.58        | 9.70    | 7.84 | 3.5        | 1.96   | 103.7 |
| 314      | 3/7/2011 18:16 | 11.13  | 40.37  | 25.73        | 9.63    | 7.99 | 3.1        | 1.90   | 103.1 |
| 315      | 3/7/2011 18:31 | 11.14  | 39.97  | 25.45        | 9.63    | 7.83 | 3.2        | 1.86   | 103.0 |
| 316      | 3/7/2011 18:46 | 11.19  | 39.69  | 25.26        | 9.61    | 7.83 | 3.1        | 1.84   | 102.7 |
| 317      | 3/7/2011 19:01 | 11.09  | 40.44  | 25.78        | 9.59    | 7.83 | 3.2        | 1.83   | 102.6 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 318      | 3/7/2011 19:16 | 11.07  | 40.30  | 25.68        | 9.53    | 7.82 | 3.4        | 1.83   | 101.8 |
| 319      | 3/7/2011 19:31 | 11.13  | 39.97  | 25.45        | 9.66    | 7.83 | 3.2        | 1.86   | 103.2 |
| 320      | 3/7/2011 19:46 | 11.09  | 40.41  | 25.76        | 9.49    | 7.97 | 3.2        | 1.91   | 101.5 |
| 321      | 3/7/2011 20:01 | 11.07  | 40.32  | 25.69        | 9.52    | 7.96 | 3.2        | 1.96   | 101.7 |
| 322      | 3/7/2011 20:16 | 11.05  | 39.94  | 25.43        | 9.56    | 7.82 | 3.4        | 2.03   | 101.9 |
| 323      | 3/7/2011 20:31 | 11.03  | 40.18  | 25.60        | 9.52    | 7.82 | 3.7        | 2.10   | 101.6 |
| 324      | 3/7/2011 20:46 | 11.00  | 39.97  | 25.44        | 9.52    | 7.81 | 3.8        | 2.19   | 101.5 |
| 325      | 3/7/2011 21:01 | 11.00  | 40.58  | 25.87        | 9.48    | 7.95 | 3.7        | 2.27   | 101.3 |
| 326      | 3/7/2011 21:16 | 10.91  | 40.28  | 25.66        | 9.53    | 7.81 | 4.0        | 2.34   | 101.5 |
| 327      | 3/7/2011 21:31 | 10.85  | 41.26  | 26.35        | 9.50    | 7.95 | 3.7        | 2.43   | 101.4 |
| 328      | 3/7/2011 21:46 | 10.80  | 41.56  | 26.56        | 9.46    | 7.95 | 3.9        | 2.50   | 101.1 |
| 329      | 3/7/2011 22:01 | 10.79  | 41.93  | 26.82        | 9.42    | 7.95 | 3.9        | 2.58   | 100.8 |
| 330      | 3/7/2011 22:16 | 10.76  | 42.16  | 26.98        | 9.44    | 7.82 | 3.9        | 2.66   | 101.0 |
| 331      | 3/7/2011 22:31 | 10.72  | 42.07  | 26.91        | 9.47    | 7.82 | 3.8        | 2.73   | 101.2 |
| 332      | 3/7/2011 22:46 | 10.64  | 42.80  | 27.42        | 9.42    | 7.82 | 4.6        | 2.82   | 100.8 |
| 333      | 3/7/2011 23:01 | 10.60  | 43.06  | 27.61        | 9.45    | 7.83 | 5.1        | 2.90   | 101.2 |
| 334      | 3/7/2011 23:16 | 10.57  | 43.33  | 27.80        | 9.44    | 7.83 | 5.4        | 2.98   | 101.1 |
| 335      | 3/7/2011 23:31 | 10.51  | 43.83  | 28.15        | 9.41    | 7.97 | 5.3        | 3.06   | 100.9 |
| 336      | 3/7/2011 23:46 | 10.48  | 44.05  | 28.31        | 9.41    | 7.97 | 5.1        | 3.14   | 100.9 |
| 337      | 3/8/2011 0:01  | 10.43  | 44.19  | 28.40        | 9.43    | 7.83 | 5.7        | 3.22   | 101.1 |
| 338      | 3/8/2011 0:16  | 10.34  | 44.88  | 28.88        | 9.41    | 7.98 | 5.6        | 3.29   | 101.0 |
| 339      | 3/8/2011 0:31  | 10.27  | 45.28  | 29.17        | 9.40    | 7.83 | 6.0        | 3.37   | 101.0 |
| 340      | 3/8/2011 0:46  | 10.22  | 45.79  | 29.53        | 9.38    | 7.83 | 4.9        | 3.43   | 100.8 |
| 341      | 3/8/2011 1:01  | 10.19  | 46.15  | 29.79        | 9.40    | 7.99 | 4.9        | 3.47   | 101.2 |
| 342      | 3/8/2011 1:16  | 10.18  | 45.93  | 29.63        | 9.41    | 7.84 | 4.0        | 3.51   | 101.1 |
| 343      | 3/8/2011 1:31  | 10.17  | 45.94  | 29.64        | 9.30    | 7.83 | 2.7        | 3.53   | 99.9  |
| 344      | 3/8/2011 1:46  | 10.18  | 46.05  | 29.72        | 9.34    | 7.83 | 3.2        | 3.52   | 100.4 |
| 345      | 3/8/2011 2:01  | 10.17  | 46.43  | 29.99        | 9.30    | 7.99 | 3.8        | 3.49   | 100.2 |
| 346      | 3/8/2011 2:16  | 10.18  | 46.30  | 29.89        | 9.30    | 7.99 | 3.5        | 3.45   | 100.1 |
| 347      | 3/8/2011 2:31  | 10.32  | 44.91  | 28.90        | 9.32    | 7.98 | 4.3        | 3.39   | 100.0 |
| 348      | 3/8/2011 2:46  | 10.49  | 42.95  | 27.52        | 9.30    | 7.96 | 4.9        | 3.30   | 99.3  |
| 349      | 3/8/2011 3:01  | 10.51  | 43.10  | 27.63        | 9.28    | 7.96 | 4.4        | 3.21   | 99.2  |
| 350      | 3/8/2011 3:16  | 10.48  | 43.32  | 27.78        | 9.32    | 7.96 | 4.7        | 3.12   | 99.7  |
| 351      | 3/8/2011 3:31  | 10.47  | 42.81  | 27.43        | 9.33    | 7.81 | 3.9        | 3.02   | 99.5  |
| 352      | 3/8/2011 3:46  | 10.46  | 43.12  | 27.64        | 9.31    | 7.81 | 3.7        | 2.93   | 99.5  |
| 353      | 3/8/2011 4:01  | 10.49  | 42.58  | 27.26        | 9.32    | 7.81 | 3.6        | 2.82   | 99.4  |
| 354      | 3/8/2011 4:16  | 10.53  | 42.48  | 27.19        | 9.32    | 7.95 | 4.3        | 2.73   | 99.4  |
| 355      | 3/8/2011 4:31  | 10.51  | 42.54  | 27.24        | 9.33    | 7.95 | 3.8        | 2.62   | 99.5  |
| 356      | 3/8/2011 4:46  | 10.56  | 41.83  | 26.73        | 9.35    | 7.95 | 4.2        | 2.52   | 99.5  |
| 357      | 3/8/2011 5:01  | 10.51  | 41.91  | 26.79        | 9.31    | 7.80 | 3.9        | 2.43   | 99.0  |
| 358      | 3/8/2011 5:16  | 10.53  | 41.53  | 26.53        | 9.29    | 7.79 | 3.8        | 2.32   | 98.6  |
| 359      | 3/8/2011 5:31  | 10.63  | 40.92  | 26.10        | 9.30    | 7.80 | 4.2        | 2.21   | 98.7  |
| 360      | 3/8/2011 5:46  | 10.63  | 40.80  | 26.01        | 9.24    | 7.79 | 4.4        | 2.12   | 98.0  |
| 361      | 3/8/2011 6:01  | 10.64  | 40.72  | 25.96        | 9.22    | 7.78 | 4.6        | 2.02   | 97.7  |
| 362      | 3/8/2011 6:16  | 10.67  | 40.51  | 25.81        | 9.17    | 7.78 | 4.5        | 1.93   | 97.3  |
| 363      | 3/8/2011 6:31  | 10.73  | 40.42  | 25.75        | 9.17    | 7.92 | 4.2        | 1.84   | 97.4  |
| 364      | 3/8/2011 6:46  | 10.78  | 40.24  | 25.63        | 9.13    | 7.78 | 4.3        | 1.76   | 96.9  |
| 365      | 3/8/2011 7:01  | 10.82  | 40.28  | 25.66        | 9.09    | 7.92 | 3.5        | 1.71   | 96.6  |
| 366      | 3/8/2011 7:16  | 10.84  | 40.02  | 25.47        | 9.02    | 7.91 | 3.4        | 1.67   | 95.8  |
| 367      | 3/8/2011 7:31  | 10.85  | 40.04  | 25.49        | 9.15    | 7.92 | 3.7        | 1.64   | 97.2  |
| 368      | 3/8/2011 7:46  | 10.83  | 40.05  | 25.50        | 9.08    | 7.91 | 4.0        | 1.63   | 96.4  |
| 369      | 3/8/2011 8:01  | 10.84  | 40.24  | 25.63        | 9.08    | 7.78 | 2.7        | 1.68   | 96.5  |
| 370      | 3/8/2011 8:16  | 10.80  | 40.16  | 25.57        | 9.13    | 7.78 | 3.6        | 1.69   | 97.0  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 371      | 3/8/2011 8:31  | 10.77  | 40.10  | 25.53        | 9.13    | 7.78 | 3.5        | 1.73   | 96.9  |
| 372      | 3/8/2011 8:46  | 10.74  | 39.83  | 25.34        | 9.14    | 7.77 | 4.0        | 1.81   | 96.8  |
| 373      | 3/8/2011 9:01  | 10.73  | 39.42  | 25.05        | 9.15    | 7.77 | 4.0        | 1.88   | 96.6  |
| 374      | 3/8/2011 9:16  | 10.73  | 39.23  | 24.91        | 9.17    | 7.77 | 4.2        | 1.95   | 96.8  |
| 375      | 3/8/2011 9:31  | 10.72  | 39.61  | 25.18        | 9.14    | 7.90 | 3.7        | 2.02   | 96.7  |
| 376      | 3/8/2011 9:46  | 10.74  | 39.95  | 25.42        | 9.13    | 7.91 | 3.2        | 2.10   | 96.7  |
| 377      | 3/8/2011 10:01 | 10.70  | 39.71  | 25.25        | 9.17    | 7.78 | 3.7        | 2.19   | 96.9  |
| 378      | 3/8/2011 10:16 | 10.67  | 40.01  | 25.46        | 9.21    | 7.78 | 3.8        | 2.25   | 97.4  |
| 379      | 3/8/2011 10:31 | 10.64  | 40.60  | 25.88        | 9.21    | 7.91 | 3.5        | 2.32   | 97.6  |
| 380      | 3/8/2011 10:46 | 10.63  | 41.03  | 26.17        | 9.24    | 7.80 | 3.3        | 2.40   | 98.1  |
| 381      | 3/8/2011 11:01 | 10.65  | 41.24  | 26.32        | 9.28    | 7.93 | 3.2        | 2.48   | 98.7  |
| 382      | 3/8/2011 11:16 | 10.64  | 41.72  | 26.66        | 9.27    | 7.94 | 3.1        | 2.54   | 98.8  |
| 383      | 3/8/2011 11:31 | 10.66  | 41.74  | 26.68        | 9.29    | 7.81 | 3.1        | 2.61   | 99.0  |
| 384      | 3/8/2011 11:46 | 10.64  | 42.26  | 27.04        | 9.27    | 7.94 | 3.2        | 2.68   | 99.0  |
| 385      | 3/8/2011 12:01 | 10.60  | 42.25  | 27.03        | 9.26    | 7.94 | 3.2        | 2.75   | 98.8  |
| 386      | 3/8/2011 12:16 | 10.60  | 42.32  | 27.09        | 9.27    | 7.94 | 3.8        | 2.81   | 99.0  |
| 387      | 3/8/2011 12:31 | 10.63  | 42.59  | 27.28        | 9.31    | 7.95 | 3.2        | 2.87   | 99.6  |
| 388      | 3/8/2011 12:46 | 10.56  | 42.87  | 27.47        | 9.26    | 7.95 | 3.0        | 2.94   | 99.0  |
| 389      | 3/8/2011 13:01 | 10.55  | 42.86  | 27.46        | 9.28    | 7.95 | 3.1        | 3.00   | 99.2  |
| 390      | 3/8/2011 13:16 | 10.52  | 43.03  | 27.58        | 9.26    | 7.81 | 2.9        | 3.03   | 98.9  |
| 391      | 3/8/2011 13:31 | 10.50  | 43.31  | 27.78        | 9.26    | 7.95 | 2.6        | 3.08   | 99.1  |
| 392      | 3/8/2011 13:46 | 10.48  | 43.35  | 27.81        | 9.28    | 7.95 | 3.2        | 3.11   | 99.2  |
| 393      | 3/8/2011 14:01 | 10.46  | 43.52  | 27.93        | 9.20    | 7.81 | 3.1        | 3.13   | 98.5  |
| 394      | 3/8/2011 14:16 | 10.47  | 43.38  | 27.83        | 9.22    | 7.81 | 2.2        | 3.14   | 98.6  |
| 395      | 3/8/2011 14:31 | 10.48  | 43.48  | 27.90        | 9.15    | 7.81 | 1.9        | 3.14   | 97.9  |
| 396      | 3/8/2011 14:46 | 10.49  | 43.60  | 27.98        | 9.21    | 7.95 | 2.9        | 3.10   | 98.6  |
| 397      | 3/8/2011 15:01 | 10.52  | 43.34  | 27.80        | 9.24    | 7.81 | 3.6        | 3.05   | 98.9  |
| 398      | 3/8/2011 15:16 | 10.58  | 42.93  | 27.51        | 9.31    | 7.95 | 4.1        | 3.01   | 99.6  |
| 399      | 3/8/2011 15:31 | 10.66  | 42.63  | 27.31        | 9.35    | 7.81 | 4.5        | 2.95   | 100.1 |
| 400      | 3/8/2011 15:46 | 10.84  | 42.07  | 26.92        | 9.56    | 7.83 | 3.2        | 2.86   | 102.4 |
| 401      | 3/8/2011 16:01 | 11.01  | 41.47  | 26.50        | 9.73    | 7.85 | 3.1        | 2.78   | 104.4 |
| 402      | 3/8/2011 16:16 | 10.99  | 41.52  | 26.53        | 9.75    | 7.85 | 3.2        | 2.71   | 104.6 |
| 403      | 3/8/2011 16:31 | 10.99  | 41.75  | 26.70        | 9.71    | 7.99 | 4.0        | 2.62   | 104.3 |
| 404      | 3/8/2011 16:46 | 10.99  | 41.57  | 26.57        | 9.71    | 7.99 | 3.5        | 2.54   | 104.2 |
| 405      | 3/8/2011 17:01 | 11.07  | 41.29  | 26.38        | 9.82    | 8.00 | 3.9        | 2.46   | 105.4 |
| 406      | 3/8/2011 17:16 | 10.98  | 40.65  | 25.93        | 9.58    | 7.96 | 3.7        | 2.38   | 102.4 |
| 407      | 3/8/2011 17:31 | 11.08  | 40.43  | 25.77        | 9.77    | 7.87 | 3.4        | 2.31   | 104.5 |
| 408      | 3/8/2011 17:46 | 11.02  | 39.78  | 25.31        | 9.60    | 7.82 | 3.2        | 2.23   | 102.3 |
| 409      | 3/8/2011 18:01 | 11.08  | 39.92  | 25.41        | 9.73    | 7.85 | 2.9        | 2.15   | 103.8 |
| 410      | 3/8/2011 18:16 | 11.08  | 39.81  | 25.34        | 9.64    | 7.84 | 2.7        | 2.10   | 102.8 |
| 411      | 3/8/2011 18:31 | 11.09  | 39.87  | 25.38        | 9.65    | 7.84 | 2.8        | 2.05   | 102.9 |
| 412      | 3/8/2011 18:46 | 11.09  | 39.68  | 25.24        | 9.56    | 7.83 | 2.9        | 2.00   | 101.9 |
| 413      | 3/8/2011 19:01 | 11.09  | 39.64  | 25.22        | 9.60    | 7.83 | 2.7        | 1.99   | 102.4 |
| 414      | 3/8/2011 19:16 | 11.08  | 39.69  | 25.26        | 9.48    | 7.95 | 2.6        | 1.96   | 101.1 |
| 415      | 3/8/2011 19:31 | 11.06  | 39.55  | 25.15        | 9.53    | 7.82 | 3.0        | 1.96   | 101.5 |
| 416      | 3/8/2011 19:46 | 11.01  | 39.81  | 25.33        | 9.35    | 7.81 | 2.5        | 1.99   | 99.6  |
| 417      | 3/8/2011 20:01 | 10.98  | 40.24  | 25.63        | 9.35    | 7.93 | 2.6        | 2.01   | 99.7  |
| 418      | 3/8/2011 20:16 | 10.99  | 40.16  | 25.58        | 9.39    | 7.93 | 2.7        | 2.05   | 100.1 |
| 419      | 3/8/2011 20:31 | 10.99  | 40.11  | 25.54        | 9.42    | 7.94 | 2.8        | 2.11   | 100.4 |
| 420      | 3/8/2011 20:46 | 10.97  | 40.01  | 25.47        | 9.41    | 7.93 | 3.1        | 2.17   | 100.2 |
| 421      | 3/8/2011 21:01 | 10.96  | 39.95  | 25.43        | 9.43    | 7.81 | 3.1        | 2.25   | 100.4 |
| 422      | 3/8/2011 21:16 | 10.95  | 39.99  | 25.45        | 9.43    | 7.81 | 2.9        | 2.32   | 100.4 |
| 423      | 3/8/2011 21:31 | 10.93  | 40.15  | 25.57        | 9.46    | 7.82 | 2.9        | 2.39   | 100.8 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 424      | 3/8/2011 21:46 | 10.93  | 40.16  | 25.58        | 9.50    | 7.82 | 3.2        | 2.46   | 101.2 |
| 425      | 3/8/2011 22:01 | 10.91  | 40.67  | 25.94        | 9.50    | 7.94 | 3.0        | 2.53   | 101.3 |
| 426      | 3/8/2011 22:16 | 10.83  | 41.17  | 26.28        | 9.43    | 7.82 | 3.1        | 2.60   | 100.6 |
| 427      | 3/8/2011 22:31 | 10.81  | 41.41  | 26.45        | 9.42    | 7.94 | 3.0        | 2.67   | 100.7 |
| 428      | 3/8/2011 22:46 | 10.77  | 41.41  | 26.45        | 9.44    | 7.82 | 3.2        | 2.74   | 100.7 |
| 429      | 3/8/2011 23:01 | 10.72  | 42.00  | 26.86        | 9.38    | 7.82 | 3.0        | 2.82   | 100.3 |
| 430      | 3/8/2011 23:16 | 10.67  | 42.17  | 26.98        | 9.38    | 7.82 | 3.5        | 2.88   | 100.2 |
| 431      | 3/8/2011 23:31 | 10.60  | 42.72  | 27.36        | 9.37    | 7.94 | 3.6        | 2.98   | 100.1 |
| 432      | 3/8/2011 23:46 | 10.57  | 43.30  | 27.77        | 9.33    | 7.95 | 4.4        | 3.04   | 100.0 |
| 433      | 3/9/2011 0:01  | 10.53  | 43.68  | 28.05        | 9.31    | 7.95 | 3.8        | 3.11   | 99.8  |
| 434      | 3/9/2011 0:16  | 10.48  | 43.97  | 28.25        | 9.31    | 7.95 | 4.6        | 3.20   | 99.8  |
| 435      | 3/9/2011 0:31  | 10.45  | 44.17  | 28.39        | 9.31    | 7.95 | 4.2        | 3.27   | 99.9  |
| 436      | 3/9/2011 0:46  | 10.41  | 44.45  | 28.59        | 9.34    | 7.96 | 4.8        | 3.34   | 100.2 |
| 437      | 3/9/2011 1:01  | 10.36  | 44.66  | 28.73        | 9.31    | 7.83 | 4.0        | 3.40   | 99.8  |
| 438      | 3/9/2011 1:16  | 10.30  | 44.90  | 28.90        | 9.37    | 7.83 | 4.3        | 3.45   | 100.5 |
| 439      | 3/9/2011 1:31  | 10.27  | 45.15  | 29.08        | 9.37    | 7.83 | 4.2        | 3.50   | 100.6 |
| 440      | 3/9/2011 1:46  | 10.25  | 45.52  | 29.34        | 9.37    | 7.83 | 3.6        | 3.51   | 100.7 |
| 441      | 3/9/2011 2:01  | 10.28  | 45.22  | 29.13        | 9.35    | 7.96 | 2.7        | 3.52   | 100.4 |
| 442      | 3/9/2011 2:16  | 10.24  | 45.33  | 29.20        | 9.32    | 7.83 | 3.1        | 3.53   | 100.0 |
| 443      | 3/9/2011 2:31  | 10.25  | 45.62  | 29.41        | 9.26    | 7.83 | 2.8        | 3.50   | 99.5  |
| 444      | 3/9/2011 2:46  | 10.26  | 45.33  | 29.20        | 9.32    | 7.83 | 4.6        | 3.43   | 100.1 |
| 445      | 3/9/2011 3:01  | 10.41  | 43.62  | 27.99        | 9.28    | 7.82 | 4.5        | 3.38   | 99.2  |
| 446      | 3/9/2011 3:16  | 10.43  | 43.56  | 27.95        | 9.30    | 7.96 | 3.8        | 3.31   | 99.4  |
| 447      | 3/9/2011 3:31  | 10.44  | 43.57  | 27.96        | 9.31    | 7.82 | 5.6        | 3.21   | 99.6  |
| 448      | 3/9/2011 3:46  | 10.48  | 43.42  | 27.86        | 9.28    | 7.82 | 4.9        | 3.12   | 99.2  |
| 449      | 3/9/2011 4:01  | 10.53  | 42.88  | 27.48        | 9.28    | 7.81 | 4.8        | 3.04   | 99.1  |
| 450      | 3/9/2011 4:16  | 10.60  | 41.59  | 26.57        | 9.29    | 7.81 | 4.4        | 2.94   | 98.9  |
| 451      | 3/9/2011 4:31  | 10.61  | 41.51  | 26.51        | 9.26    | 7.80 | 3.8        | 2.85   | 98.5  |
| 452      | 3/9/2011 4:46  | 10.59  | 41.92  | 26.80        | 9.22    | 7.80 | 3.5        | 2.75   | 98.2  |
| 453      | 3/9/2011 5:01  | 10.58  | 41.78  | 26.70        | 9.24    | 7.80 | 3.7        | 2.66   | 98.4  |
| 454      | 3/9/2011 5:16  | 10.61  | 41.50  | 26.51        | 9.24    | 7.93 | 3.7        | 2.56   | 98.3  |
| 455      | 3/9/2011 5:31  | 10.65  | 41.08  | 26.21        | 9.27    | 7.92 | 3.7        | 2.47   | 98.4  |
| 456      | 3/9/2011 5:46  | 10.58  | 41.36  | 26.40        | 9.18    | 7.91 | 3.4        | 2.36   | 97.5  |
| 457      | 3/9/2011 6:01  | 10.68  | 40.50  | 25.81        | 9.19    | 7.79 | 3.5        | 2.25   | 97.5  |
| 458      | 3/9/2011 6:16  | 10.68  | 40.49  | 25.80        | 9.16    | 7.79 | 3.4        | 2.15   | 97.2  |
| 459      | 3/9/2011 6:31  | 10.68  | 40.63  | 25.90        | 9.07    | 7.78 | 3.1        | 2.05   | 96.3  |
| 460      | 3/9/2011 6:46  | 10.81  | 40.21  | 25.61        | 9.09    | 7.90 | 3.2        | 1.94   | 96.6  |
| 461      | 3/9/2011 7:01  | 10.83  | 40.04  | 25.49        | 9.03    | 7.89 | 3.3        | 1.85   | 95.8  |
| 462      | 3/9/2011 7:16  | 10.87  | 39.44  | 25.07        | 9.01    | 7.77 | 3.3        | 1.78   | 95.5  |
| 463      | 3/9/2011 7:31  | 10.90  | 39.61  | 25.19        | 8.98    | 7.77 | 3.0        | 1.71   | 95.3  |
| 464      | 3/9/2011 7:46  | 10.91  | 39.55  | 25.15        | 8.94    | 7.88 | 3.5        | 1.66   | 94.9  |
| 465      | 3/9/2011 8:01  | 10.93  | 39.61  | 25.19        | 9.00    | 7.89 | 2.9        | 1.65   | 95.6  |
| 466      | 3/9/2011 8:16  | 10.90  | 39.75  | 25.28        | 9.07    | 7.78 | 3.3        | 1.62   | 96.4  |
| 467      | 3/9/2011 8:31  | 10.87  | 39.89  | 25.39        | 9.06    | 7.89 | 3.3        | 1.63   | 96.2  |
| 468      | 3/9/2011 8:46  | 10.89  | 39.71  | 25.26        | 9.13    | 7.89 | 2.9        | 1.68   | 96.9  |
| 469      | 3/9/2011 9:01  | 10.87  | 39.75  | 25.29        | 9.12    | 7.78 | 2.9        | 1.71   | 96.8  |
| 470      | 3/9/2011 9:16  | 10.87  | 39.59  | 25.17        | 9.09    | 7.78 | 2.7        | 1.75   | 96.4  |
| 471      | 3/9/2011 9:31  | 10.84  | 39.56  | 25.15        | 9.06    | 7.89 | 2.9        | 1.82   | 96.0  |
| 472      | 3/9/2011 9:46  | 10.82  | 39.35  | 25.00        | 9.10    | 7.77 | 3.1        | 1.89   | 96.3  |
| 473      | 3/9/2011 10:01 | 10.81  | 39.32  | 24.98        | 9.11    | 7.89 | 3.1        | 1.94   | 96.4  |
| 474      | 3/9/2011 10:16 | 10.80  | 39.53  | 25.13        | 9.07    | 7.78 | 2.9        | 2.00   | 96.0  |
| 475      | 3/9/2011 10:31 | 10.80  | 39.71  | 25.26        | 9.06    | 7.78 | 2.8        | 2.08   | 96.0  |
| 476      | 3/9/2011 10:46 | 10.79  | 39.75  | 25.28        | 9.10    | 7.89 | 3.3        | 2.14   | 96.4  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 477      | 3/9/2011 11:01 | 10.76  | 40.11  | 25.53        | 9.14    | 7.90 | 3.1        | 2.20   | 96.9  |
| 478      | 3/9/2011 11:16 | 10.73  | 40.26  | 25.64        | 9.15    | 7.90 | 3.2        | 2.26   | 97.0  |
| 479      | 3/9/2011 11:31 | 10.73  | 40.56  | 25.85        | 9.20    | 7.80 | 3.3        | 2.33   | 97.7  |
| 480      | 3/9/2011 11:46 | 10.76  | 40.44  | 25.77        | 9.23    | 7.80 | 3.1        | 2.40   | 98.1  |
| 481      | 3/9/2011 12:01 | 10.79  | 40.65  | 25.91        | 9.24    | 7.80 | 3.2        | 2.47   | 98.3  |
| 482      | 3/9/2011 12:16 | 10.76  | 41.04  | 26.19        | 9.22    | 7.81 | 2.8        | 2.53   | 98.2  |
| 483      | 3/9/2011 12:31 | 10.73  | 41.45  | 26.48        | 9.19    | 7.81 | 2.7        | 2.58   | 98.0  |
| 484      | 3/9/2011 12:46 | 10.69  | 41.76  | 26.69        | 9.19    | 7.81 | 2.6        | 2.66   | 98.0  |
| 485      | 3/9/2011 13:01 | 10.70  | 41.76  | 26.69        | 9.21    | 7.92 | 2.7        | 2.71   | 98.3  |
| 486      | 3/9/2011 13:16 | 10.70  | 41.90  | 26.79        | 9.21    | 7.81 | 2.6        | 2.76   | 98.4  |
| 487      | 3/9/2011 13:31 | 10.68  | 42.05  | 26.90        | 9.21    | 7.81 | 2.9        | 2.82   | 98.4  |
| 488      | 3/9/2011 13:46 | 10.73  | 42.22  | 27.02        | 9.23    | 7.81 | 2.4        | 2.87   | 98.8  |
| 489      | 3/9/2011 14:01 | 10.68  | 42.27  | 27.05        | 9.19    | 7.93 | 2.1        | 2.91   | 98.3  |
| 490      | 3/9/2011 14:16 | 10.66  | 42.59  | 27.28        | 9.24    | 7.93 | 2.3        | 2.95   | 98.9  |
| 491      | 3/9/2011 14:31 | 10.65  | 42.59  | 27.28        | 9.20    | 7.93 | 2.4        | 2.99   | 98.5  |
| 492      | 3/9/2011 14:46 | 10.64  | 42.53  | 27.24        | 9.17    | 7.93 | 2.3        | 3.01   | 98.0  |
| 493      | 3/9/2011 15:01 | 10.64  | 42.63  | 27.30        | 9.13    | 7.81 | 2.1        | 3.01   | 97.7  |
| 494      | 3/9/2011 15:16 | 10.65  | 42.66  | 27.33        | 9.17    | 7.93 | 2.1        | 3.01   | 98.1  |
| 495      | 3/9/2011 15:31 | 10.67  | 42.60  | 27.28        | 9.19    | 7.81 | 2.0        | 2.99   | 98.4  |
| 496      | 3/9/2011 15:46 | 10.70  | 42.55  | 27.25        | 9.21    | 7.81 | 2.3        | 2.95   | 98.7  |
| 497      | 3/9/2011 16:01 | 10.91  | 42.04  | 26.90        | 9.34    | 7.94 | 2.7        | 2.90   | 100.2 |
| 498      | 3/9/2011 16:16 | 10.88  | 42.10  | 26.94        | 9.30    | 7.94 | 3.0        | 2.85   | 99.8  |
| 499      | 3/9/2011 16:31 | 10.96  | 41.79  | 26.72        | 9.35    | 7.94 | 2.9        | 2.79   | 100.3 |
| 500      | 3/9/2011 16:46 | 10.95  | 41.73  | 26.68        | 9.33    | 7.82 | 3.0        | 2.72   | 100.1 |
| 501      | 3/9/2011 17:01 | 11.04  | 41.67  | 26.64        | 9.37    | 7.95 | 2.9        | 2.65   | 100.7 |
| 502      | 3/9/2011 17:16 | 11.17  | 41.00  | 26.18        | 9.46    | 7.83 | 2.6        | 2.60   | 101.6 |
| 503      | 3/9/2011 17:31 | 11.30  | 40.95  | 26.14        | 9.52    | 7.96 | 2.7        | 2.53   | 102.6 |
| 504      | 3/9/2011 17:46 | 11.53  | 40.48  | 25.83        | 9.73    | 7.86 | 3.2        | 2.47   | 105.1 |
| 505      | 3/9/2011 18:01 | 11.57  | 40.18  | 25.62        | 9.79    | 7.99 | 3.1        | 2.42   | 105.8 |
| 506      | 3/9/2011 18:16 | 11.59  | 39.75  | 25.31        | 9.80    | 7.86 | 3.4        | 2.35   | 105.6 |
| 507      | 3/9/2011 18:31 | 11.63  | 39.66  | 25.25        | 9.87    | 7.87 | 3.6        | 2.29   | 106.5 |
| 508      | 3/9/2011 18:46 | 11.63  | 39.50  | 25.14        | 9.72    | 7.98 | 3.3        | 2.26   | 104.8 |
| 509      | 3/9/2011 19:01 | 11.59  | 39.52  | 25.15        | 9.61    | 7.97 | 3.0        | 2.20   | 103.5 |
| 510      | 3/9/2011 19:16 | 11.56  | 39.63  | 25.23        | 9.59    | 7.84 | 2.7        | 2.17   | 103.3 |
| 511      | 3/9/2011 19:31 | 11.67  | 38.98  | 24.77        | 9.79    | 7.87 | 3.1        | 2.17   | 105.4 |
| 512      | 3/9/2011 19:46 | 11.59  | 39.01  | 24.80        | 9.62    | 7.84 | 2.1        | 2.16   | 103.4 |
| 513      | 3/9/2011 20:01 | 11.58  | 39.06  | 24.83        | 9.60    | 7.84 | 3.4        | 2.13   | 103.2 |
| 514      | 3/9/2011 20:16 | 11.57  | 39.18  | 24.91        | 9.61    | 7.85 | 3.2        | 2.15   | 103.3 |
| 515      | 3/9/2011 20:31 | 11.52  | 39.55  | 25.17        | 9.58    | 7.83 | 3.6        | 2.21   | 103.1 |
| 516      | 3/9/2011 20:46 | 11.46  | 39.67  | 25.25        | 9.50    | 7.95 | 3.1        | 2.23   | 102.1 |
| 517      | 3/9/2011 21:01 | 11.46  | 39.73  | 25.30        | 9.47    | 7.95 | 2.7        | 2.27   | 101.8 |
| 518      | 3/9/2011 21:16 | 11.34  | 40.09  | 25.55        | 9.40    | 7.83 | 2.5        | 2.32   | 100.9 |
| 519      | 3/9/2011 21:31 | 11.37  | 40.15  | 25.59        | 9.41    | 7.94 | 3.2        | 2.38   | 101.2 |
| 520      | 3/9/2011 21:46 | 11.31  | 40.45  | 25.79        | 9.42    | 7.93 | 2.7        | 2.43   | 101.2 |
| 521      | 3/9/2011 22:01 | 11.31  | 40.26  | 25.66        | 9.48    | 7.94 | 2.9        | 2.48   | 101.8 |
| 522      | 3/9/2011 22:16 | 11.30  | 40.50  | 25.83        | 9.50    | 7.94 | 3.7        | 2.55   | 102.1 |
| 523      | 3/9/2011 22:31 | 11.28  | 40.80  | 26.04        | 9.51    | 7.94 | 2.9        | 2.61   | 102.3 |
| 524      | 3/9/2011 22:46 | 11.27  | 40.80  | 26.04        | 9.50    | 7.94 | 2.7        | 2.67   | 102.2 |
| 525      | 3/9/2011 23:01 | 11.21  | 40.88  | 26.09        | 9.54    | 7.94 | 2.7        | 2.74   | 102.5 |
| 526      | 3/9/2011 23:16 | 11.07  | 41.03  | 26.20        | 9.48    | 7.94 | 2.9        | 2.80   | 101.6 |
| 527      | 3/9/2011 23:31 | 11.04  | 41.36  | 26.42        | 9.46    | 7.84 | 2.9        | 2.86   | 101.5 |
| 528      | 3/9/2011 23:46 | 10.98  | 41.38  | 26.44        | 9.48    | 7.84 | 3.2        | 2.94   | 101.6 |
| 529      | 3/10/2011 0:01 | 10.90  | 41.88  | 26.79        | 9.48    | 7.94 | 3.9        | 3.00   | 101.7 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 530      | 3/10/2011 0:16  | 10.80  | 42.08  | 26.92        | 9.44    | 7.94 | 3.1               | 3.07            | 101.1 |
| 531      | 3/10/2011 0:31  | 10.69  | 43.06  | 27.61        | 9.36    | 7.83 | 2.7               | 3.14            | 100.5 |
| 532      | 3/10/2011 0:46  | 10.63  | 43.60  | 27.99        | 9.33    | 7.94 | 3.7               | 3.21            | 100.2 |
| 533      | 3/10/2011 1:01  | 10.57  | 44.00  | 28.27        | 9.35    | 7.84 | 4.2               | 3.27            | 100.5 |
| 534      | 3/10/2011 1:16  | 10.55  | 44.27  | 28.46        | 9.37    | 7.84 | 3.4               | 3.33            | 100.8 |
| 535      | 3/10/2011 1:31  | 10.54  | 44.33  | 28.50        | 9.38    | 7.84 | 3.4               | 3.38            | 100.9 |
| 536      | 3/10/2011 1:46  | 10.51  | 44.83  | 28.86        | 9.37    | 7.96 | 3.1               | 3.43            | 101.0 |
| 537      | 3/10/2011 2:01  | 10.48  | 44.66  | 28.74        | 9.47    | 7.97 | 3.8               | 3.45            | 101.9 |
| 538      | 3/10/2011 2:16  | 10.47  | 44.86  | 28.88        | 9.44    | 7.85 | 3.1               | 3.48            | 101.7 |
| 539      | 3/10/2011 2:31  | 10.45  | 45.35  | 29.23        | 9.40    | 7.97 | 2.8               | 3.50            | 101.4 |
| 540      | 3/10/2011 2:46  | 10.54  | 44.28  | 28.47        | 9.22    | 7.83 | 2.3               | 3.48            | 99.1  |
| 541      | 3/10/2011 3:01  | 10.45  | 45.24  | 29.15        | 9.34    | 7.97 | 2.0               | 3.46            | 100.7 |
| 542      | 3/10/2011 3:16  | 10.48  | 44.87  | 28.88        | 9.33    | 7.97 | 2.7               | 3.42            | 100.4 |
| 543      | 3/10/2011 3:31  | 10.54  | 44.20  | 28.41        | 9.35    | 7.96 | 3.1               | 3.38            | 100.4 |
| 544      | 3/10/2011 3:46  | 10.59  | 43.58  | 27.98        | 9.35    | 7.95 | 3.4               | 3.31            | 100.4 |
| 545      | 3/10/2011 4:01  | 10.58  | 43.89  | 28.20        | 9.35    | 7.95 | 3.5               | 3.25            | 100.4 |
| 546      | 3/10/2011 4:16  | 10.56  | 44.13  | 28.36        | 9.34    | 7.96 | 4.5               | 3.17            | 100.4 |
| 547      | 3/10/2011 4:31  | 10.65  | 43.53  | 27.94        | 9.34    | 7.95 | 5.6               | 3.08            | 100.4 |
| 548      | 3/10/2011 4:46  | 10.65  | 43.82  | 28.15        | 9.32    | 7.95 | 3.9               | 3.01            | 100.2 |
| 549      | 3/10/2011 5:01  | 10.74  | 42.79  | 27.42        | 9.33    | 7.95 | 4.2               | 2.92            | 100.1 |
| 550      | 3/10/2011 5:16  | 10.88  | 41.45  | 26.48        | 9.31    | 7.81 | 4.1               | 2.83            | 99.6  |
| 551      | 3/10/2011 5:31  | 10.94  | 41.05  | 26.20        | 9.32    | 7.92 | 3.7               | 2.74            | 99.6  |
| 552      | 3/10/2011 5:46  | 10.87  | 41.42  | 26.46        | 9.32    | 7.92 | 4.3               | 2.65            | 99.7  |
| 553      | 3/10/2011 6:01  | 10.81  | 41.58  | 26.57        | 9.32    | 7.92 | 5.6               | 2.54            | 99.6  |
| 554      | 3/10/2011 6:16  | 10.85  | 41.39  | 26.44        | 9.30    | 7.81 | 4.7               | 2.44            | 99.3  |
| 555      | 3/10/2011 6:31  | 11.06  | 40.07  | 25.52        | 9.33    | 7.81 | 5.0               | 2.36            | 99.6  |
| 556      | 3/10/2011 6:46  | 11.04  | 40.33  | 25.70        | 9.32    | 7.92 | 3.9               | 2.27            | 99.5  |
| 557      | 3/10/2011 7:01  | 11.00  | 40.74  | 25.99        | 9.26    | 7.91 | 4.7               | 2.17            | 99.0  |
| 558      | 3/10/2011 7:16  | 11.10  | 40.10  | 25.54        | 9.26    | 7.91 | 4.8               | 2.06            | 99.0  |
| 559      | 3/10/2011 7:31  | 11.14  | 40.07  | 25.52        | 9.27    | 7.91 | 5.1               | 1.98            | 99.1  |
| 560      | 3/10/2011 7:46  | 11.26  | 40.00  | 25.48        | 9.25    | 7.92 | 4.8               | 1.91            | 99.2  |
| 561      | 3/10/2011 8:01  | 11.35  | 39.81  | 25.35        | 9.26    | 7.93 | 4.6               | 1.84            | 99.4  |
| 562      | 3/10/2011 8:16  | 11.42  | 39.25  | 24.96        | 9.26    | 7.93 | 4.2               | 1.77            | 99.2  |
| 563      | 3/10/2011 8:31  | 11.49  | 39.19  | 24.92        | 9.19    | 7.93 | 3.4               | 1.75            | 98.7  |
| 564      | 3/10/2011 8:46  | 11.45  | 39.06  | 24.82        | 9.23    | 7.82 | 4.6               | 1.72            | 98.9  |
| 565      | 3/10/2011 9:01  | 11.36  | 39.10  | 24.85        | 9.08    | 7.91 | 3.1               | 1.70            | 97.2  |
| 566      | 3/10/2011 9:16  | 11.42  | 36.05  | 22.73        | 9.44    | 7.82 | 5.1               | 1.71            | 99.8  |
| 567      | 3/10/2011 9:31  | 11.38  | 35.81  | 22.56        | 9.47    | 7.92 | 5.2               | 1.72            | 99.9  |
| 568      | 3/10/2011 9:46  | 11.31  | 35.83  | 22.57        | 9.33    | 7.91 | 3.9               | 1.75            | 98.3  |
| 569      | 3/10/2011 10:01 | 11.32  | 36.37  | 22.95        | 9.34    | 7.81 | 3.8               | 1.80            | 98.7  |
| 570      | 3/10/2011 10:16 | 11.28  | 39.52  | 25.14        | 9.23    | 7.91 | 3.9               | 1.82            | 98.8  |
| 571      | 3/10/2011 10:31 | 11.24  | 39.61  | 25.20        | 9.18    | 7.91 | 3.2               | 1.88            | 98.1  |
| 572      | 3/10/2011 10:46 | 11.20  | 39.42  | 25.07        | 9.17    | 7.90 | 3.8               | 1.93            | 97.9  |
| 573      | 3/10/2011 11:01 | 11.18  | 39.09  | 24.84        | 9.22    | 7.80 | 4.2               | 2.01            | 98.2  |
| 574      | 3/10/2011 11:16 | 11.16  | 39.38  | 25.04        | 9.19    | 7.90 | 3.2               | 2.05            | 98.0  |
| 575      | 3/10/2011 11:31 | 11.15  | 39.55  | 25.15        | 9.13    | 7.90 | 2.9               | 2.11            | 97.4  |
| 576      | 3/10/2011 11:46 | 11.15  | 39.65  | 25.23        | 9.15    | 7.90 | 2.8               | 2.20            | 97.7  |
| 577      | 3/10/2011 12:01 | 11.13  | 39.79  | 25.32        | 9.17    | 7.90 | 3.1               | 2.25            | 97.9  |
| 578      | 3/10/2011 12:16 | 11.24  | 39.37  | 25.04        | 9.33    | 7.91 | 4.6               | 2.31            | 99.7  |
| 579      | 3/10/2011 12:31 | 11.29  | 39.64  | 25.23        | 9.36    | 7.81 | 4.5               | 2.37            | 100.2 |
| 580      | 3/10/2011 12:46 | 11.25  | 40.14  | 25.58        | 9.35    | 7.82 | 3.7               | 2.43            | 100.2 |
| 581      | 3/10/2011 13:01 | 11.36  | 40.36  | 25.74        | 9.37    | 7.93 | 4.0               | 2.48            | 100.8 |
| 582      | 3/10/2011 13:16 | 11.41  | 40.60  | 25.90        | 9.38    | 7.93 | 3.7               | 2.53            | 101.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 583      | 3/10/2011 13:31 | 11.41  | 40.67  | 25.96        | 9.40    | 7.93 | 3.7        | 2.59   | 101.4 |
| 584      | 3/10/2011 13:46 | 11.39  | 40.66  | 25.94        | 9.38    | 7.93 | 3.7        | 2.64   | 101.1 |
| 585      | 3/10/2011 14:01 | 11.36  | 40.69  | 25.97        | 9.41    | 7.93 | 3.4        | 2.68   | 101.3 |
| 586      | 3/10/2011 14:16 | 11.32  | 41.02  | 26.19        | 9.35    | 7.93 | 3.3        | 2.75   | 100.8 |
| 587      | 3/10/2011 14:31 | 11.35  | 40.95  | 26.15        | 9.39    | 7.93 | 3.2        | 2.79   | 101.3 |
| 588      | 3/10/2011 14:46 | 11.36  | 41.14  | 26.29        | 9.38    | 7.82 | 2.8        | 2.82   | 101.2 |
| 589      | 3/10/2011 15:01 | 11.37  | 41.21  | 26.33        | 9.42    | 7.93 | 3.2        | 2.85   | 101.7 |
| 590      | 3/10/2011 15:16 | 11.28  | 41.40  | 26.46        | 9.38    | 7.82 | 3.1        | 2.89   | 101.2 |
| 591      | 3/10/2011 15:31 | 11.31  | 41.54  | 26.56        | 9.29    | 7.81 | 2.5        | 2.90   | 100.3 |
| 592      | 3/10/2011 15:46 | 11.08  | 41.77  | 26.72        | 9.22    | 7.92 | 2.0        | 2.92   | 99.2  |
| 593      | 3/10/2011 16:01 | 11.02  | 41.58  | 26.58        | 9.14    | 7.81 | 2.6        | 2.91   | 98.1  |
| 594      | 3/10/2011 16:16 | 11.04  | 41.72  | 26.68        | 9.20    | 7.92 | 2.8        | 2.91   | 98.8  |
| 595      | 3/10/2011 16:31 | 11.08  | 41.09  | 26.23        | 9.27    | 7.82 | 3.3        | 2.85   | 99.4  |
| 596      | 3/10/2011 16:46 | 11.15  | 40.65  | 25.93        | 9.29    | 7.81 | 3.4        | 2.82   | 99.6  |
| 597      | 3/10/2011 17:01 | 11.23  | 40.47  | 25.81        | 9.34    | 7.82 | 3.9        | 2.77   | 100.2 |
| 598      | 3/10/2011 17:16 | 11.49  | 40.32  | 25.71        | 9.52    | 7.95 | 3.2        | 2.74   | 102.6 |
| 599      | 3/10/2011 17:31 | 11.61  | 40.36  | 25.74        | 9.60    | 7.85 | 3.1        | 2.66   | 103.8 |
| 600      | 3/10/2011 17:46 | 11.85  | 40.33  | 25.73        | 9.70    | 7.98 | 3.2        | 2.61   | 105.5 |
| 601      | 3/10/2011 18:01 | 12.06  | 40.32  | 25.73        | 9.83    | 8.00 | 3.2        | 2.55   | 107.4 |
| 602      | 3/10/2011 18:16 | 12.19  | 40.19  | 25.64        | 10.58   | 8.08 | 3.9        | 2.49   | 115.8 |
| 603      | 3/10/2011 18:31 | 11.74  | 39.06  | 24.83        | 9.75    | 7.96 | 3.1        | 2.44   | 105.2 |
| 604      | 3/10/2011 18:46 | 11.82  | 39.77  | 25.33        | 9.81    | 7.98 | 2.9        | 2.44   | 106.3 |
| 605      | 3/10/2011 19:01 | 11.83  | 39.61  | 25.22        | 9.81    | 7.99 | 3.0        | 2.38   | 106.3 |
| 606      | 3/10/2011 19:16 | 11.89  | 39.62  | 25.23        | 10.00   | 7.91 | 2.8        | 2.34   | 108.5 |
| 607      | 3/10/2011 19:31 | 11.84  | 39.58  | 25.20        | 9.91    | 8.01 | 2.9        | 2.32   | 107.4 |
| 608      | 3/10/2011 19:46 | 11.81  | 39.35  | 25.04        | 9.80    | 7.88 | 2.6        | 2.28   | 106.0 |
| 609      | 3/10/2011 20:01 | 11.65  | 40.13  | 25.59        | 9.40    | 7.95 | 2.4        | 2.28   | 101.7 |
| 610      | 3/10/2011 20:16 | 11.82  | 39.02  | 24.81        | 9.58    | 7.95 | 2.1        | 2.30   | 103.5 |
| 611      | 3/10/2011 20:31 | 11.80  | 39.54  | 25.18        | 9.49    | 7.96 | 2.3        | 2.27   | 102.7 |
| 612      | 3/10/2011 20:46 | 11.76  | 39.23  | 24.96        | 9.63    | 7.96 | 2.9        | 2.30   | 104.0 |
| 613      | 3/10/2011 21:01 | 11.78  | 39.74  | 25.31        | 9.61    | 7.85 | 2.7        | 2.31   | 104.1 |
| 614      | 3/10/2011 21:16 | 11.73  | 39.59  | 25.20        | 9.55    | 7.86 | 2.6        | 2.32   | 103.2 |
| 615      | 3/10/2011 21:31 | 11.71  | 39.71  | 25.29        | 9.52    | 7.85 | 2.6        | 2.35   | 102.9 |
| 616      | 3/10/2011 21:46 | 11.74  | 39.87  | 25.40        | 9.54    | 7.95 | 2.6        | 2.38   | 103.3 |
| 617      | 3/10/2011 22:01 | 11.71  | 39.80  | 25.35        | 9.51    | 7.85 | 2.3        | 2.43   | 102.9 |
| 618      | 3/10/2011 22:16 | 11.68  | 39.95  | 25.46        | 9.49    | 7.95 | 2.3        | 2.47   | 102.6 |
| 619      | 3/10/2011 22:31 | 11.63  | 40.23  | 25.65        | 9.45    | 7.84 | 2.7        | 2.50   | 102.2 |
| 620      | 3/10/2011 22:46 | 11.63  | 40.03  | 25.51        | 9.52    | 7.95 | 2.7        | 2.57   | 102.9 |
| 621      | 3/10/2011 23:01 | 11.58  | 40.29  | 25.69        | 9.48    | 7.84 | 2.7        | 2.61   | 102.4 |
| 622      | 3/10/2011 23:16 | 11.52  | 40.49  | 25.83        | 9.45    | 7.84 | 2.5        | 2.68   | 102.1 |
| 623      | 3/10/2011 23:31 | 11.49  | 40.48  | 25.83        | 9.45    | 7.84 | 2.9        | 2.72   | 102.0 |
| 624      | 3/10/2011 23:46 | 11.46  | 40.72  | 25.99        | 9.45    | 7.93 | 2.6        | 2.78   | 102.0 |
| 625      | 3/11/2011 0:01  | 11.40  | 41.00  | 26.19        | 9.44    | 7.94 | 2.6        | 2.82   | 102.0 |
| 626      | 3/11/2011 0:16  | 11.39  | 41.21  | 26.33        | 9.43    | 7.94 | 2.6        | 2.88   | 101.9 |
| 627      | 3/11/2011 0:31  | 11.30  | 41.28  | 26.38        | 9.39    | 7.84 | 2.7        | 2.96   | 101.3 |
| 628      | 3/11/2011 0:46  | 11.26  | 41.53  | 26.55        | 9.40    | 7.93 | 3.6        | 3.02   | 101.4 |
| 629      | 3/11/2011 1:01  | 11.13  | 42.03  | 26.90        | 9.38    | 7.93 | 2.9        | 3.07   | 101.2 |
| 630      | 3/11/2011 1:16  | 11.06  | 41.98  | 26.86        | 9.37    | 7.93 | 2.9        | 3.14   | 100.8 |
| 631      | 3/11/2011 1:31  | 10.97  | 42.39  | 27.15        | 9.33    | 7.93 | 2.6        | 3.20   | 100.4 |
| 632      | 3/11/2011 1:46  | 10.88  | 42.54  | 27.25        | 9.34    | 7.93 | 2.9        | 3.24   | 100.4 |
| 633      | 3/11/2011 2:01  | 10.86  | 42.78  | 27.42        | 9.39    | 7.84 | 3.2        | 3.30   | 101.0 |
| 634      | 3/11/2011 2:16  | 10.80  | 43.76  | 28.11        | 9.36    | 7.94 | 2.6        | 3.35   | 101.0 |
| 635      | 3/11/2011 2:31  | 10.78  | 43.92  | 28.23        | 9.36    | 7.95 | 2.6        | 3.39   | 101.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 636      | 3/11/2011 2:46  | 10.76  | 44.29  | 28.49        | 9.41    | 7.95 | 2.7        | 3.39   | 101.6 |
| 637      | 3/11/2011 3:01  | 10.76  | 43.88  | 28.20        | 9.33    | 7.95 | 2.4        | 3.42   | 100.6 |
| 638      | 3/11/2011 3:16  | 10.76  | 44.03  | 28.30        | 9.20    | 7.95 | 2.3        | 3.44   | 99.3  |
| 639      | 3/11/2011 3:31  | 10.76  | 44.10  | 28.35        | 9.22    | 7.94 | 2.1        | 3.43   | 99.6  |
| 640      | 3/11/2011 3:46  | 10.77  | 44.11  | 28.36        | 9.30    | 7.85 | 2.4        | 3.40   | 100.4 |
| 641      | 3/11/2011 4:01  | 10.82  | 43.77  | 28.12        | 9.32    | 7.95 | 2.9        | 3.36   | 100.6 |
| 642      | 3/11/2011 4:16  | 10.89  | 43.18  | 27.71        | 9.26    | 7.94 | 3.2        | 3.33   | 99.9  |
| 643      | 3/11/2011 4:31  | 10.87  | 43.00  | 27.58        | 9.23    | 7.94 | 3.0        | 3.25   | 99.4  |
| 644      | 3/11/2011 4:46  | 10.93  | 42.21  | 27.02        | 9.29    | 7.93 | 3.6        | 3.18   | 99.9  |
| 645      | 3/11/2011 5:01  | 10.94  | 42.52  | 27.24        | 9.29    | 7.94 | 3.4        | 3.09   | 100.0 |
| 646      | 3/11/2011 5:16  | 10.98  | 42.24  | 27.05        | 9.30    | 7.93 | 4.0        | 3.02   | 100.0 |
| 647      | 3/11/2011 5:31  | 10.82  | 40.98  | 26.15        | 9.33    | 7.92 | 3.8        | 2.92   | 99.5  |
| 648      | 3/11/2011 5:46  | 10.85  | 40.53  | 25.83        | 9.37    | 7.92 | 4.3        | 2.84   | 99.8  |
| 649      | 3/11/2011 6:01  | 10.89  | 40.52  | 25.83        | 9.34    | 7.83 | 3.8        | 2.75   | 99.5  |
| 650      | 3/11/2011 6:16  | 10.96  | 40.82  | 26.04        | 9.30    | 7.92 | 3.4        | 2.68   | 99.4  |
| 651      | 3/11/2011 6:31  | 10.97  | 40.77  | 26.01        | 9.28    | 7.92 | 3.2        | 2.58   | 99.2  |
| 652      | 3/11/2011 6:46  | 10.94  | 40.77  | 26.01        | 9.24    | 7.91 | 3.1        | 2.50   | 98.7  |
| 653      | 3/11/2011 7:01  | 10.88  | 40.54  | 25.84        | 9.21    | 7.90 | 3.4        | 2.42   | 98.1  |
| 654      | 3/11/2011 7:16  | 11.03  | 39.94  | 25.43        | 9.22    | 7.91 | 3.4        | 2.32   | 98.3  |
| 655      | 3/11/2011 7:31  | 11.09  | 39.97  | 25.45        | 9.18    | 7.91 | 4.1        | 2.21   | 98.0  |
| 656      | 3/11/2011 7:46  | 11.03  | 39.77  | 25.31        | 9.18    | 7.81 | 3.7        | 2.12   | 97.8  |
| 657      | 3/11/2011 8:01  | 11.23  | 40.20  | 25.61        | 9.19    | 7.91 | 5.2        | 2.44   | 98.5  |
| 658      | 3/11/2011 8:16  | 11.25  | 39.32  | 25.00        | 9.25    | 7.91 | 135.9      | 1.54   | 98.8  |
| 659      | 3/11/2011 8:31  | 11.31  | 39.05  | 24.81        | 9.22    | 7.90 | 85.8       | 1.79   | 98.5  |
| 660      | 3/11/2011 8:46  | 11.34  | 39.26  | 24.96        | 9.21    | 7.90 | 63.4       | 2.49   | 98.5  |
| 661      | 3/11/2011 9:01  | 11.32  | 39.40  | 25.06        | 9.16    | 7.90 | 62.0       | 1.70   | 98.1  |
| 662      | 3/11/2011 9:16  | 11.42  | 39.16  | 24.89        | 9.16    | 7.90 | 71.4       | 1.58   | 98.2  |
| 663      | 3/11/2011 9:31  | 11.47  | 39.23  | 24.94        | 9.09    | 7.90 | 42.4       | 1.65   | 97.5  |
| 664      | 3/11/2011 9:46  | 11.40  | 39.35  | 25.03        | 9.15    | 7.90 | 31.5       | 1.80   | 98.0  |
| 665      | 3/11/2011 10:01 | 11.44  | 39.37  | 25.04        | 9.12    | 7.81 | 36.5       | 1.65   | 97.9  |
| 666      | 3/11/2011 10:16 | 11.58  | 39.30  | 24.99        | 9.08    | 7.90 | 21.1       | 1.91   | 97.7  |
| 667      | 3/11/2011 10:31 | 11.53  | 39.14  | 24.88        | 9.07    | 7.81 | 34.8       | 1.53   | 97.4  |
| 668      | 3/11/2011 10:46 | 11.48  | 39.26  | 24.97        | 9.09    | 7.81 | 15.6       | 1.72   | 97.5  |
| 669      | 3/11/2011 11:01 | 11.72  | 39.10  | 24.86        | 9.06    | 7.80 | 28.6       | 1.71   | 97.7  |
| 670      | 3/11/2011 11:16 | 11.60  | 39.34  | 25.03        | 9.08    | 7.90 | 13.8       | 1.69   | 97.7  |
| 671      | 3/11/2011 11:31 | 11.61  | 39.42  | 25.08        | 9.01    | 7.90 | 9.5        | 1.82   | 97.1  |
| 672      | 3/11/2011 11:46 | 11.70  | 38.55  | 24.48        | 9.25    | 7.81 | 29.7       | 1.97   | 99.4  |
| 673      | 3/11/2011 12:01 | 11.80  | 39.14  | 24.89        | 9.14    | 7.90 | 14.5       | 1.87   | 98.8  |
| 674      | 3/11/2011 12:16 | 11.62  | 38.54  | 24.46        | 9.17    | 7.89 | 12.2       | 2.04   | 98.4  |
| 675      | 3/11/2011 12:31 | 11.46  | 38.84  | 24.67        | 9.19    | 7.81 | 11.8       | 2.21   | 98.4  |
| 676      | 3/11/2011 12:46 | 11.64  | 38.36  | 24.34        | 9.23    | 7.89 | 12.9       | 1.99   | 99.1  |
| 677      | 3/11/2011 13:01 | 11.39  | 38.43  | 24.38        | 9.24    | 7.89 | 10.7       | 2.22   | 98.6  |
| 678      | 3/11/2011 13:16 | 11.32  | 38.88  | 24.69        | 9.25    | 7.89 | 14.3       | 2.02   | 98.7  |
| 679      | 3/11/2011 13:31 | 11.41  | 38.82  | 24.66        | 9.19    | 7.81 | 15.1       | 2.41   | 98.3  |
| 680      | 3/11/2011 13:46 | 11.26  | 39.76  | 25.31        | 9.27    | 7.90 | 20.8       | 2.49   | 99.3  |
| 681      | 3/11/2011 14:01 | 11.74  | 38.92  | 24.74        | 9.26    | 7.91 | 11.4       | 2.25   | 99.8  |
| 682      | 3/11/2011 14:16 | 11.34  | 39.49  | 25.12        | 9.22    | 7.90 | 11.6       | 2.42   | 98.8  |
| 683      | 3/11/2011 14:31 | 11.36  | 39.61  | 25.21        | 9.23    | 7.82 | 12.8       | 2.59   | 99.0  |
| 684      | 3/11/2011 14:46 | 11.82  | 39.41  | 25.08        | 9.34    | 7.83 | 11.0       | 2.62   | 101.1 |
| 685      | 3/11/2011 15:01 | 11.94  | 39.84  | 25.39        | 9.39    | 7.92 | 8.2        | 2.53   | 102.1 |
| 686      | 3/11/2011 15:16 | 11.48  | 40.17  | 25.61        | 9.29    | 7.91 | 8.4        | 2.55   | 100.1 |
| 687      | 3/11/2011 15:31 | 11.59  | 40.17  | 25.61        | 9.28    | 7.91 | 7.1        | 2.74   | 100.2 |
| 688      | 3/11/2011 15:46 | 11.43  | 40.31  | 25.70        | 9.31    | 7.83 | 10.4       | 2.84   | 100.3 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 689      | 3/11/2011 16:01 | 11.79  | 40.03  | 25.52        | 9.52    | 7.85 | 17.5              | 2.66            | 103.2 |
| 690      | 3/11/2011 16:16 | 11.48  | 40.52  | 25.85        | 9.33    | 7.91 | 17.9              | 2.52            | 100.7 |
| 691      | 3/11/2011 16:31 | 11.47  | 40.46  | 25.81        | 9.31    | 7.91 | 21.1              | 3.04            | 100.4 |
| 692      | 3/11/2011 16:46 | 11.41  | 40.79  | 26.04        | 9.36    | 7.92 | 13.1              | 2.90            | 101.0 |
| 693      | 3/11/2011 17:01 | 11.47  | 40.43  | 25.79        | 9.34    | 7.83 | 22.3              | 2.48            | 100.8 |
| 694      | 3/11/2011 17:16 | 11.52  | 40.50  | 25.83        | 9.28    | 7.91 | 14.8              | 2.91            | 100.2 |
| 695      | 3/11/2011 17:31 | 11.46  | 40.51  | 25.84        | 9.27    | 7.91 | 9.7               | 2.80            | 100.0 |
| 696      | 3/11/2011 17:46 | 11.56  | 40.34  | 25.73        | 9.20    | 7.92 | 9.1               | 2.72            | 99.4  |
| 697      | 3/11/2011 18:01 | 11.53  | 40.31  | 25.71        | 9.25    | 7.92 | 9.2               | 2.80            | 99.9  |
| 698      | 3/11/2011 18:16 | 11.63  | 39.56  | 25.18        | 9.32    | 7.82 | 15.9              | 2.46            | 100.5 |
| 699      | 3/11/2011 18:31 | 11.70  | 39.75  | 25.32        | 9.36    | 7.91 | 8.9               | 2.72            | 101.1 |
| 700      | 3/11/2011 18:46 | 11.60  | 40.05  | 25.53        | 9.30    | 7.91 | 19.2              | 2.73            | 100.4 |
| 701      | 3/11/2011 19:01 | 11.73  | 39.95  | 25.46        | 9.29    | 7.92 | 20.1              | 2.37            | 100.6 |
| 702      | 3/11/2011 19:16 | 11.84  | 39.60  | 25.21        | 9.32    | 7.89 | 19.2              | 2.35            | 100.9 |
| 703      | 3/11/2011 19:31 | 11.91  | 39.57  | 25.20        | 9.31    | 7.93 | 23.4              | 2.72            | 101.0 |
| 704      | 3/11/2011 19:46 | 11.95  | 39.48  | 25.14        | 9.26    | 7.93 | 17.8              | 2.30            | 100.5 |
| 705      | 3/11/2011 20:01 | 11.86  | 39.32  | 25.02        | 9.34    | 7.92 | 12.9              | 2.41            | 101.1 |
| 706      | 3/11/2011 20:16 | 11.85  | 39.00  | 24.79        | 9.31    | 7.92 | 10.6              | 2.45            | 100.6 |
| 707      | 3/11/2011 20:31 | 11.84  | 39.16  | 24.91        | 9.21    | 7.82 | 9.5               | 2.40            | 99.6  |
| 708      | 3/11/2011 20:46 | 11.82  | 39.03  | 24.82        | 9.23    | 7.82 | 6.8               | 2.30            | 99.8  |
| 709      | 3/11/2011 21:01 | 11.82  | 39.15  | 24.90        | 9.28    | 7.82 | 7.8               | 2.41            | 100.3 |
| 710      | 3/11/2011 21:16 | 11.79  | 39.10  | 24.86        | 9.20    | 7.92 | 4.9               | 2.25            | 99.3  |
| 711      | 3/11/2011 21:31 | 11.71  | 39.08  | 24.85        | 9.10    | 7.82 | 6.6               | 2.33            | 98.1  |
| 712      | 3/11/2011 21:46 | 11.79  | 39.12  | 24.88        | 9.26    | 7.83 | 12.8              | 2.53            | 100.0 |
| 713      | 3/11/2011 22:01 | 11.76  | 39.10  | 24.87        | 9.21    | 7.82 | 10.7              | 2.24            | 99.5  |
| 714      | 3/11/2011 22:16 | 11.77  | 39.32  | 25.02        | 9.25    | 7.91 | 8.4               | 2.48            | 100.0 |
| 715      | 3/11/2011 22:31 | 11.76  | 39.15  | 24.90        | 9.20    | 7.91 | 8.1               | 2.36            | 99.3  |
| 716      | 3/11/2011 22:46 | 11.73  | 39.51  | 25.15        | 9.23    | 7.82 | 12.3              | 2.63            | 99.8  |
| 717      | 3/11/2011 23:01 | 11.49  | 40.17  | 25.60        | 9.23    | 7.82 | 14.5              | 2.57            | 99.5  |
| 718      | 3/11/2011 23:16 | 11.53  | 39.93  | 25.44        | 9.23    | 7.90 | 13.9              | 2.34            | 99.4  |
| 719      | 3/11/2011 23:31 | 11.44  | 40.10  | 25.55        | 9.19    | 7.82 | 12.5              | 2.76            | 98.9  |
| 720      | 3/11/2011 23:46 | 11.36  | 40.45  | 25.80        | 9.25    | 7.83 | 8.1               | 2.75            | 99.5  |
| 721      | 3/12/2011 0:01  | 11.31  | 40.73  | 25.99        | 9.25    | 7.83 | 9.0               | 2.72            | 99.5  |
| 722      | 3/12/2011 0:16  | 11.26  | 40.90  | 26.11        | 9.22    | 7.91 | 5.9               | 2.70            | 99.2  |
| 723      | 3/12/2011 0:31  | 11.25  | 40.55  | 25.86        | 9.22    | 7.83 | 6.7               | 2.90            | 99.1  |
| 724      | 3/12/2011 0:46  | 11.17  | 40.94  | 26.13        | 9.26    | 7.83 | 7.4               | 2.95            | 99.5  |
| 725      | 3/12/2011 1:01  | 11.02  | 41.19  | 26.30        | 9.35    | 7.92 | 6.5               | 2.92            | 100.2 |
| 726      | 3/12/2011 1:16  | 10.98  | 41.48  | 26.51        | 9.32    | 7.92 | 3.8               | 3.00            | 99.9  |
| 727      | 3/12/2011 1:31  | 10.98  | 41.41  | 26.46        | 9.35    | 7.92 | 4.3               | 3.04            | 100.2 |
| 728      | 3/12/2011 1:46  | 11.01  | 41.77  | 26.71        | 9.40    | 7.93 | 5.2               | 3.24            | 101.0 |
| 729      | 3/12/2011 2:01  | 10.90  | 41.69  | 26.65        | 9.45    | 7.93 | 5.5               | 3.15            | 101.2 |
| 730      | 3/12/2011 2:16  | 10.99  | 42.14  | 26.98        | 9.42    | 7.94 | 4.9               | 3.14            | 101.4 |
| 731      | 3/12/2011 2:31  | 11.00  | 42.81  | 27.45        | 9.43    | 7.94 | 5.1               | 3.37            | 101.8 |
| 732      | 3/12/2011 2:46  | 10.96  | 43.01  | 27.59        | 9.50    | 7.86 | 4.9               | 3.34            | 102.5 |
| 733      | 3/12/2011 3:01  | 10.96  | 43.10  | 27.65        | 9.38    | 7.94 | 2.2               | 3.33            | 101.2 |
| 734      | 3/12/2011 3:16  | 10.90  | 43.74  | 28.10        | 9.48    | 7.96 | 3.6               | 3.38            | 102.5 |
| 735      | 3/12/2011 3:31  | 10.96  | 42.84  | 27.47        | 9.40    | 7.85 | 3.8               | 3.41            | 101.3 |
| 736      | 3/12/2011 3:46  | 10.90  | 43.21  | 27.72        | 9.53    | 7.95 | 4.6               | 3.53            | 102.8 |
| 737      | 3/12/2011 4:01  | 10.91  | 43.10  | 27.65        | 9.51    | 7.86 | 6.2               | 3.29            | 102.6 |
| 738      | 3/12/2011 4:16  | 10.96  | 43.01  | 27.59        | 9.49    | 7.95 | 7.5               | 3.44            | 102.4 |
| 739      | 3/12/2011 4:31  | 10.94  | 43.29  | 27.79        | 9.45    | 7.95 | 4.9               | 3.42            | 102.1 |
| 740      | 3/12/2011 4:46  | 10.91  | 41.90  | 26.80        | 9.27    | 7.92 | 4.8               | 3.28            | 99.4  |
| 741      | 3/12/2011 5:01  | 10.94  | 41.36  | 26.42        | 9.37    | 7.84 | 5.2               | 3.30            | 100.3 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 742      | 3/12/2011 5:16  | 10.99  | 40.99  | 26.16        | 9.16    | 7.82 | 4.8        | 3.21            | 98.0  |
| 743      | 3/12/2011 5:31  | 11.02  | 41.17  | 26.29        | 9.21    | 7.92 | 4.8        | 3.24            | 98.7  |
| 744      | 3/12/2011 5:46  | 11.03  | 40.65  | 25.92        | 9.06    | 7.81 | 6.8        | 3.00            | 96.9  |
| 745      | 3/12/2011 6:01  | 11.02  | 40.35  | 25.71        | 9.03    | 7.80 | 5.0        | 3.08            | 96.4  |
| 746      | 3/12/2011 6:16  | 11.05  | 40.85  | 26.06        | 9.08    | 7.89 | 7.4        | 2.89            | 97.2  |
| 747      | 3/12/2011 6:31  | 11.07  | 39.54  | 25.15        | 9.02    | 7.88 | 5.2        | 2.96            | 96.0  |
| 748      | 3/12/2011 6:46  | 11.06  | 39.69  | 25.25        | 9.05    | 7.88 | 5.2        | 2.75            | 96.4  |
| 749      | 3/12/2011 7:01  | 11.12  | 40.50  | 25.82        | 9.11    | 7.90 | 7.6        | 2.67            | 97.5  |
| 750      | 3/12/2011 7:16  | 11.10  | 39.13  | 24.86        | 9.02    | 7.88 | 5.5        | 2.72            | 96.0  |
| 751      | 3/12/2011 7:31  | 11.19  | 39.09  | 24.83        | 9.02    | 7.87 | 6.3        | 2.50            | 96.2  |
| 752      | 3/12/2011 7:46  | 11.07  | 39.24  | 24.94        | 9.09    | 7.88 | 11.0       | 2.44            | 96.6  |
| 753      | 3/12/2011 8:01  | 11.31  | 38.43  | 24.38        | 8.96    | 7.86 | 6.0        | 2.50            | 95.5  |
| 754      | 3/12/2011 8:16  | 11.31  | 38.65  | 24.53        | 9.01    | 7.87 | 8.1        | 2.24            | 96.2  |
| 755      | 3/12/2011 8:31  | 11.20  | 38.94  | 24.73        | 9.06    | 7.87 | 9.5        | 2.18            | 96.6  |
| 756      | 3/12/2011 8:46  | 11.08  | 39.00  | 24.77        | 9.07    | 7.86 | 8.4        | 2.23            | 96.4  |
| 757      | 3/12/2011 9:01  | 11.32  | 38.33  | 24.31        | 9.05    | 7.86 | 8.4        | 2.02            | 96.4  |
| 758      | 3/12/2011 9:16  | 11.36  | 38.60  | 24.50        | 9.07    | 7.87 | 6.4        | 2.03            | 96.8  |
| 759      | 3/12/2011 9:31  | 11.46  | 38.37  | 24.34        | 9.08    | 7.87 | 6.7        | 1.88            | 97.0  |
| 760      | 3/12/2011 9:46  | 11.46  | 38.12  | 24.17        | 9.03    | 7.87 | 5.7        | 1.90            | 96.4  |
| 761      | 3/12/2011 10:01 | 11.51  | 38.07  | 24.13        | 8.96    | 7.88 | 5.7        | 1.73            | 95.7  |
| 762      | 3/12/2011 10:16 | 11.40  | 37.99  | 24.08        | 9.09    | 7.79 | 7.2        | 1.71            | 96.8  |
| 763      | 3/12/2011 10:31 | 11.55  | 37.94  | 24.04        | 8.99    | 7.87 | 5.7        | 1.66            | 96.1  |
| 764      | 3/12/2011 10:46 | 11.66  | 37.64  | 23.84        | 9.03    | 7.87 | 6.3        | 1.62            | 96.6  |
| 765      | 3/12/2011 11:01 | 11.66  | 37.88  | 24.01        | 9.07    | 7.80 | 6.2        | 1.75            | 97.2  |
| 766      | 3/12/2011 11:16 | 11.61  | 37.97  | 24.06        | 9.05    | 7.80 | 7.2        | 1.65            | 96.8  |
| 767      | 3/12/2011 11:31 | 11.68  | 37.86  | 23.99        | 9.03    | 7.80 | 6.4        | 1.68            | 96.8  |
| 768      | 3/12/2011 11:46 | 11.65  | 38.26  | 24.27        | 9.07    | 7.80 | 5.7        | 1.72            | 97.3  |
| 769      | 3/12/2011 12:01 | 11.62  | 38.13  | 24.18        | 9.04    | 7.80 | 5.3        | 1.79            | 96.8  |
| 770      | 3/12/2011 12:16 | 11.58  | 37.80  | 23.95        | 9.04    | 7.86 | 7.0        | 1.83            | 96.7  |
| 771      | 3/12/2011 12:31 | 11.57  | 37.70  | 23.88        | 9.01    | 7.86 | 5.6        | 1.80            | 96.3  |
| 772      | 3/12/2011 12:46 | 11.56  | 37.96  | 24.06        | 8.83    | 7.86 | 3.5        | 1.86            | 94.4  |
| 773      | 3/12/2011 13:01 | 11.47  | 38.40  | 24.37        | 8.98    | 7.86 | 6.7        | 2.05            | 96.0  |
| 774      | 3/12/2011 13:16 | 11.48  | 37.63  | 23.83        | 9.03    | 7.86 | 7.4        | 1.87            | 96.3  |
| 775      | 3/12/2011 13:31 | 11.46  | 38.09  | 24.15        | 8.92    | 7.85 | 4.8        | 2.04            | 95.2  |
| 776      | 3/12/2011 13:46 | 11.32  | 38.39  | 24.35        | 8.97    | 7.79 | 5.5        | 2.08            | 95.6  |
| 777      | 3/12/2011 14:01 | 11.26  | 38.88  | 24.69        | 9.04    | 7.87 | 5.5        | 2.10            | 96.4  |
| 778      | 3/12/2011 14:16 | 11.27  | 38.60  | 24.50        | 9.07    | 7.81 | 5.4        | 2.20            | 96.6  |
| 779      | 3/12/2011 14:31 | 11.28  | 39.08  | 24.83        | 9.06    | 7.88 | 4.3        | 2.18            | 96.8  |
| 780      | 3/12/2011 14:46 | 11.26  | 39.17  | 24.89        | 9.09    | 7.88 | 4.7        | 2.34            | 97.1  |
| 781      | 3/12/2011 15:01 | 11.36  | 38.82  | 24.65        | 9.20    | 7.82 | 5.4        | 2.34            | 98.3  |
| 782      | 3/12/2011 15:16 | 11.34  | 39.01  | 24.78        | 9.16    | 7.82 | 4.4        | 2.43            | 97.9  |
| 783      | 3/12/2011 15:31 | 11.38  | 39.03  | 24.80        | 9.17    | 7.89 | 4.1        | 2.43            | 98.1  |
| 784      | 3/12/2011 15:46 | 11.44  | 39.38  | 25.05        | 9.15    | 7.82 | 4.5        | 2.51            | 98.1  |
| 785      | 3/12/2011 16:01 | 11.41  | 39.96  | 25.45        | 9.28    | 7.90 | 4.9        | 2.65            | 99.7  |
| 786      | 3/12/2011 16:16 | 11.42  | 40.00  | 25.48        | 9.29    | 7.90 | 5.4        | 2.62            | 99.9  |
| 787      | 3/12/2011 16:31 | 11.43  | 39.81  | 25.35        | 9.33    | 7.90 | 5.0        | 2.58            | 100.3 |
| 788      | 3/12/2011 16:46 | 11.38  | 40.04  | 25.51        | 9.19    | 7.90 | 3.8        | 2.74            | 98.8  |
| 789      | 3/12/2011 17:01 | 11.27  | 40.56  | 25.87        | 9.16    | 7.83 | 3.6        | 2.71            | 98.4  |
| 790      | 3/12/2011 17:16 | 11.24  | 40.75  | 26.00        | 9.20    | 7.83 | 3.7        | 2.76            | 98.8  |
| 791      | 3/12/2011 17:31 | 11.23  | 40.52  | 25.84        | 9.20    | 7.82 | 2.7        | 2.76            | 98.7  |
| 792      | 3/12/2011 17:46 | 11.20  | 41.12  | 26.26        | 9.10    | 7.90 | 3.7        | 2.78            | 97.9  |
| 793      | 3/12/2011 18:01 | 11.21  | 40.84  | 26.06        | 9.16    | 7.90 | 3.4        | 2.88            | 98.4  |
| 794      | 3/12/2011 18:16 | 11.29  | 40.44  | 25.78        | 9.11    | 7.90 | 2.3        | 2.79            | 97.9  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 795      | 3/12/2011 18:31 | 11.24  | 40.60  | 25.90        | 9.11    | 7.90 | 4.3        | 2.78   | 97.9  |
| 796      | 3/12/2011 18:46 | 11.25  | 40.72  | 25.98        | 9.15    | 7.83 | 3.3        | 2.84   | 98.4  |
| 797      | 3/12/2011 19:01 | 11.28  | 40.48  | 25.81        | 9.19    | 7.83 | 3.3        | 2.79   | 98.7  |
| 798      | 3/12/2011 19:16 | 11.22  | 40.78  | 26.02        | 9.07    | 7.82 | 2.7        | 2.76   | 97.5  |
| 799      | 3/12/2011 19:31 | 11.27  | 40.54  | 25.85        | 9.09    | 7.82 | 3.2        | 2.75   | 97.7  |
| 800      | 3/12/2011 19:46 | 11.34  | 40.33  | 25.71        | 9.16    | 7.83 | 4.7        | 2.67   | 98.5  |
| 801      | 3/12/2011 20:01 | 11.40  | 40.24  | 25.65        | 9.09    | 7.82 | 4.0        | 2.73   | 97.8  |
| 802      | 3/12/2011 20:16 | 11.41  | 40.29  | 25.68        | 9.07    | 7.89 | 3.7        | 2.79   | 97.7  |
| 803      | 3/12/2011 20:31 | 11.34  | 40.41  | 25.77        | 9.08    | 7.89 | 4.3        | 2.57   | 97.7  |
| 804      | 3/12/2011 20:46 | 11.42  | 40.00  | 25.49        | 9.15    | 7.83 | 4.5        | 2.59   | 98.5  |
| 805      | 3/12/2011 21:01 | 11.45  | 39.82  | 25.36        | 9.16    | 7.90 | 5.1        | 2.57   | 98.5  |
| 806      | 3/12/2011 21:16 | 11.43  | 39.97  | 25.46        | 9.19    | 7.90 | 5.0        | 2.67   | 98.8  |
| 807      | 3/12/2011 21:31 | 11.45  | 39.45  | 25.10        | 9.06    | 7.89 | 3.7        | 2.47   | 97.3  |
| 808      | 3/12/2011 21:46 | 11.40  | 40.07  | 25.53        | 8.99    | 7.89 | 3.0        | 2.53   | 96.7  |
| 809      | 3/12/2011 22:01 | 11.60  | 38.44  | 24.39        | 9.15    | 7.90 | 3.9        | 2.58   | 98.1  |
| 810      | 3/12/2011 22:16 | 11.52  | 39.12  | 24.87        | 9.18    | 7.83 | 4.5        | 2.58   | 98.6  |
| 811      | 3/12/2011 22:31 | 11.59  | 38.23  | 24.25        | 9.17    | 7.89 | 3.5        | 2.46   | 98.2  |
| 812      | 3/12/2011 22:46 | 11.52  | 39.00  | 24.79        | 8.96    | 7.88 | 2.9        | 2.54   | 96.2  |
| 813      | 3/12/2011 23:01 | 11.45  | 39.54  | 25.16        | 9.16    | 7.89 | 5.8        | 2.67   | 98.4  |
| 814      | 3/12/2011 23:16 | 11.42  | 39.88  | 25.40        | 9.09    | 7.89 | 4.8        | 2.50   | 97.7  |
| 815      | 3/12/2011 23:31 | 11.41  | 39.91  | 25.42        | 8.97    | 7.82 | 3.8        | 2.57   | 96.4  |
| 816      | 3/12/2011 23:46 | 11.43  | 39.48  | 25.12        | 9.04    | 7.89 | 3.8        | 2.58   | 97.1  |
| 817      | 3/13/2011 0:01  | 11.30  | 40.15  | 25.59        | 9.16    | 7.83 | 4.6        | 2.72   | 98.3  |
| 818      | 3/13/2011 0:16  | 11.23  | 40.82  | 26.05        | 9.15    | 7.83 | 4.0        | 2.63   | 98.3  |
| 819      | 3/13/2011 0:31  | 11.20  | 41.36  | 26.44        | 9.14    | 7.90 | 3.8        | 2.75   | 98.4  |
| 820      | 3/13/2011 0:46  | 11.17  | 41.46  | 26.50        | 9.22    | 7.91 | 3.4        | 2.80   | 99.2  |
| 821      | 3/13/2011 1:01  | 11.15  | 41.62  | 26.61        | 9.23    | 7.91 | 3.2        | 2.81   | 99.4  |
| 822      | 3/13/2011 1:16  | 11.20  | 41.36  | 26.43        | 9.22    | 7.91 | 3.1        | 2.88   | 99.2  |
| 823      | 3/13/2011 1:31  | 11.23  | 41.23  | 26.34        | 9.29    | 7.91 | 4.0        | 2.92   | 100.1 |
| 824      | 3/13/2011 1:46  | 11.16  | 41.47  | 26.51        | 9.28    | 7.85 | 3.3        | 2.99   | 99.9  |
| 825      | 3/13/2011 2:01  | 11.07  | 42.37  | 27.14        | 9.36    | 7.86 | 3.4        | 3.03   | 100.9 |
| 826      | 3/13/2011 2:16  | 11.03  | 42.86  | 27.49        | 9.39    | 7.93 | 3.8        | 3.12   | 101.4 |
| 827      | 3/13/2011 2:31  | 11.04  | 42.49  | 27.22        | 9.32    | 7.93 | 2.3        | 3.09   | 100.5 |
| 828      | 3/13/2011 2:46  | 11.01  | 42.73  | 27.39        | 9.38    | 7.93 | 3.1        | 3.19   | 101.2 |
| 829      | 3/13/2011 3:01  | 10.99  | 43.10  | 27.65        | 9.39    | 7.94 | 2.9        | 3.21   | 101.5 |
| 830      | 3/13/2011 3:16  | 10.89  | 43.54  | 27.96        | 9.42    | 7.88 | 3.1        | 3.31   | 101.7 |
| 831      | 3/13/2011 3:31  | 10.92  | 43.20  | 27.72        | 9.38    | 7.94 | 3.4        | 3.28   | 101.2 |
| 832      | 3/13/2011 3:46  | 10.89  | 43.46  | 27.91        | 9.41    | 7.94 | 2.9        | 3.34   | 101.6 |
| 833      | 3/13/2011 4:01  | 10.85  | 43.78  | 28.13        | 9.43    | 7.95 | 3.6        | 3.40   | 101.9 |
| 834      | 3/13/2011 4:16  | 10.84  | 44.06  | 28.33        | 9.47    | 7.95 | 3.1        | 3.40   | 102.4 |
| 835      | 3/13/2011 4:31  | 10.79  | 44.01  | 28.29        | 9.47    | 7.95 | 3.4        | 3.47   | 102.2 |
| 836      | 3/13/2011 4:46  | 10.79  | 44.42  | 28.58        | 9.45    | 7.96 | 3.2        | 3.36   | 102.2 |
| 837      | 3/13/2011 5:01  | 10.80  | 43.96  | 28.26        | 9.35    | 7.95 | 3.0        | 3.42   | 101.0 |
| 838      | 3/13/2011 5:16  | 10.90  | 43.33  | 27.82        | 9.37    | 7.94 | 3.0        | 3.45   | 101.1 |
| 839      | 3/13/2011 5:31  | 10.86  | 43.30  | 27.79        | 9.39    | 7.94 | 3.0        | 3.41   | 101.2 |
| 840      | 3/13/2011 5:46  | 10.86  | 43.46  | 27.90        | 9.30    | 7.87 | 3.1        | 3.33   | 100.4 |
| 841      | 3/13/2011 6:01  | 10.96  | 42.38  | 27.14        | 9.32    | 7.92 | 3.7        | 3.31   | 100.3 |
| 842      | 3/13/2011 6:16  | 10.99  | 41.92  | 26.82        | 9.32    | 7.85 | 5.6        | 3.25   | 100.2 |
| 843      | 3/13/2011 6:31  | 11.03  | 41.66  | 26.64        | 9.29    | 7.91 | 4.2        | 3.28   | 99.8  |
| 844      | 3/13/2011 6:46  | 10.98  | 42.46  | 27.20        | 9.37    | 7.92 | 5.1        | 3.15   | 100.9 |
| 845      | 3/13/2011 7:01  | 11.02  | 42.11  | 26.95        | 9.37    | 7.92 | 5.9        | 3.06   | 100.9 |
| 846      | 3/13/2011 7:16  | 11.07  | 41.49  | 26.52        | 9.29    | 7.90 | 6.0        | 3.05   | 99.8  |
| 847      | 3/13/2011 7:31  | 11.09  | 41.36  | 26.43        | 9.29    | 7.90 | 5.8        | 2.97   | 99.8  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 848      | 3/13/2011 7:46  | 11.12  | 40.89  | 26.10        | 9.29    | 7.90 | 6.2        | 2.88   | 99.6  |
| 849      | 3/13/2011 8:01  | 11.12  | 41.08  | 26.23        | 9.28    | 7.89 | 8.2        | 2.73   | 99.7  |
| 850      | 3/13/2011 8:16  | 11.13  | 40.66  | 25.93        | 9.25    | 7.88 | 6.0        | 2.76   | 99.2  |
| 851      | 3/13/2011 8:31  | 11.15  | 40.60  | 25.90        | 9.30    | 7.89 | 8.5        | 2.57   | 99.7  |
| 852      | 3/13/2011 8:46  | 11.17  | 40.48  | 25.81        | 9.30    | 7.89 | 8.8        | 2.62   | 99.6  |
| 853      | 3/13/2011 9:01  | 11.20  | 40.10  | 25.54        | 9.31    | 7.88 | 10.7       | 2.44   | 99.8  |
| 854      | 3/13/2011 9:16  | 11.22  | 40.31  | 25.69        | 9.38    | 7.83 | 26.9       | 2.32   | 100.6 |
| 855      | 3/13/2011 9:31  | 11.30  | 39.00  | 24.78        | 9.38    | 7.87 | 18.3       | 2.32   | 100.2 |
| 856      | 3/13/2011 9:46  | 11.34  | 38.87  | 24.69        | 9.36    | 7.87 | 14.9       | 2.20   | 100.0 |
| 857      | 3/13/2011 10:01 | 11.47  | 39.15  | 24.89        | 9.42    | 7.88 | 23.5       | 2.08   | 101.1 |
| 858      | 3/13/2011 10:16 | 11.53  | 38.67  | 24.56        | 9.41    | 7.88 | 18.4       | 2.01   | 100.9 |
| 859      | 3/13/2011 10:31 | 11.58  | 38.40  | 24.37        | 9.38    | 7.82 | 15.2       | 1.99   | 100.6 |
| 860      | 3/13/2011 10:46 | 11.62  | 38.07  | 24.14        | 9.37    | 7.82 | 13.6       | 1.85   | 100.3 |
| 861      | 3/13/2011 11:01 | 11.71  | 38.47  | 24.42        | 9.38    | 7.88 | 15.3       | 1.85   | 100.9 |
| 862      | 3/13/2011 11:16 | 11.71  | 38.06  | 24.13        | 9.36    | 7.88 | 12.6       | 1.80   | 100.4 |
| 863      | 3/13/2011 11:31 | 11.71  | 38.16  | 24.21        | 9.25    | 7.88 | 11.4       | 1.73   | 99.3  |
| 864      | 3/13/2011 11:46 | 11.77  | 38.14  | 24.19        | 9.29    | 7.82 | 11.4       | 1.68   | 99.9  |
| 865      | 3/13/2011 12:01 | 11.79  | 37.99  | 24.09        | 9.42    | 7.83 | 15.4       | 1.76   | 101.2 |
| 866      | 3/13/2011 12:16 | 11.76  | 38.31  | 24.31        | 9.37    | 7.88 | 10.9       | 1.70   | 100.8 |
| 867      | 3/13/2011 12:31 | 11.66  | 38.67  | 24.56        | 9.29    | 7.88 | 10.1       | 1.70   | 99.9  |
| 868      | 3/13/2011 12:46 | 11.70  | 38.37  | 24.35        | 9.36    | 7.82 | 10.1       | 1.72   | 100.5 |
| 869      | 3/13/2011 13:01 | 11.55  | 38.64  | 24.54        | 9.32    | 7.86 | 10.6       | 1.86   | 99.9  |
| 870      | 3/13/2011 13:16 | 11.51  | 38.48  | 24.42        | 9.33    | 7.86 | 9.9        | 1.81   | 99.8  |
| 871      | 3/13/2011 13:31 | 11.44  | 38.38  | 24.35        | 9.27    | 7.86 | 9.3        | 1.79   | 99.0  |
| 872      | 3/13/2011 13:46 | 11.39  | 38.41  | 24.37        | 9.31    | 7.86 | 9.4        | 2.02   | 99.4  |
| 873      | 3/13/2011 14:01 | 11.37  | 37.20  | 23.52        | 9.41    | 7.85 | 11.4       | 1.95   | 99.9  |
| 874      | 3/13/2011 14:16 | 11.36  | 37.84  | 23.97        | 9.33    | 7.81 | 6.7        | 1.99   | 99.2  |
| 875      | 3/13/2011 14:31 | 11.34  | 38.28  | 24.28        | 9.22    | 7.81 | 5.5        | 2.05   | 98.2  |
| 876      | 3/13/2011 14:46 | 11.32  | 38.99  | 24.77        | 9.35    | 7.86 | 8.9        | 2.15   | 99.9  |
| 877      | 3/13/2011 15:01 | 11.35  | 38.85  | 24.68        | 9.38    | 7.83 | 8.2        | 2.12   | 100.2 |
| 878      | 3/13/2011 15:16 | 11.49  | 38.92  | 24.73        | 9.36    | 7.85 | 7.8        | 2.15   | 100.3 |
| 879      | 3/13/2011 15:31 | 11.55  | 39.06  | 24.83        | 9.41    | 7.85 | 10.0       | 2.30   | 101.1 |
| 880      | 3/13/2011 15:46 | 11.57  | 39.07  | 24.84        | 9.45    | 7.90 | 9.6        | 2.30   | 101.5 |
| 881      | 3/13/2011 16:01 | 11.57  | 38.97  | 24.77        | 9.44    | 7.90 | 8.7        | 2.36   | 101.4 |
| 882      | 3/13/2011 16:16 | 11.56  | 39.21  | 24.93        | 9.43    | 7.90 | 7.9        | 2.39   | 101.4 |
| 883      | 3/13/2011 16:31 | 11.52  | 39.67  | 25.25        | 9.36    | 7.90 | 7.0        | 2.48   | 100.8 |
| 884      | 3/13/2011 16:46 | 11.48  | 39.45  | 25.10        | 9.44    | 7.90 | 8.1        | 2.58   | 101.4 |
| 885      | 3/13/2011 17:01 | 11.45  | 39.31  | 25.00        | 9.48    | 7.86 | 7.9        | 2.55   | 101.7 |
| 886      | 3/13/2011 17:16 | 11.44  | 39.37  | 25.04        | 9.46    | 7.86 | 6.8        | 2.64   | 101.5 |
| 887      | 3/13/2011 17:31 | 11.38  | 39.98  | 25.47        | 9.40    | 7.90 | 6.3        | 2.74   | 101.0 |
| 888      | 3/13/2011 17:46 | 11.33  | 40.30  | 25.69        | 9.41    | 7.90 | 5.6        | 2.73   | 101.2 |
| 889      | 3/13/2011 18:01 | 11.28  | 40.47  | 25.81        | 9.37    | 7.90 | 4.9        | 2.83   | 100.6 |
| 890      | 3/13/2011 18:16 | 11.28  | 40.42  | 25.78        | 9.36    | 7.90 | 4.4        | 2.80   | 100.6 |
| 891      | 3/13/2011 18:31 | 11.26  | 40.55  | 25.86        | 9.28    | 7.90 | 4.8        | 2.93   | 99.7  |
| 892      | 3/13/2011 18:46 | 11.22  | 40.95  | 26.14        | 9.28    | 7.90 | 4.4        | 2.93   | 99.8  |
| 893      | 3/13/2011 19:01 | 11.20  | 41.16  | 26.29        | 9.26    | 7.89 | 4.9        | 2.94   | 99.7  |
| 894      | 3/13/2011 19:16 | 11.20  | 40.92  | 26.12        | 9.13    | 7.89 | 2.7        | 3.00   | 98.1  |
| 895      | 3/13/2011 19:31 | 11.19  | 41.08  | 26.23        | 9.22    | 7.90 | 4.4        | 2.97   | 99.2  |
| 896      | 3/13/2011 19:46 | 11.20  | 41.15  | 26.28        | 9.23    | 7.90 | 4.4        | 3.08   | 99.3  |
| 897      | 3/13/2011 20:01 | 11.20  | 40.94  | 26.14        | 9.27    | 7.90 | 7.4        | 2.87   | 99.6  |
| 898      | 3/13/2011 20:16 | 11.22  | 40.59  | 25.89        | 9.22    | 7.90 | 5.7        | 2.97   | 98.9  |
| 899      | 3/13/2011 20:31 | 11.26  | 39.51  | 25.13        | 9.26    | 7.88 | 6.4        | 2.93   | 99.0  |
| 900      | 3/13/2011 20:46 | 11.30  | 40.15  | 25.59        | 9.25    | 7.89 | 5.9        | 2.87   | 99.3  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 901      | 3/13/2011 21:01 | 11.30  | 40.29  | 25.68        | 9.24    | 7.89 | 5.7               | 2.83            | 99.2  |
| 902      | 3/13/2011 21:16 | 11.32  | 40.11  | 25.55        | 9.24    | 7.89 | 6.1               | 2.77            | 99.2  |
| 903      | 3/13/2011 21:31 | 11.35  | 39.94  | 25.44        | 9.20    | 7.89 | 6.0               | 2.77            | 98.8  |
| 904      | 3/13/2011 21:46 | 11.35  | 39.76  | 25.31        | 9.16    | 7.88 | 5.9               | 2.68            | 98.3  |
| 905      | 3/13/2011 22:01 | 11.29  | 39.49  | 25.12        | 9.12    | 7.87 | 5.9               | 2.69            | 97.6  |
| 906      | 3/13/2011 22:16 | 11.29  | 39.59  | 25.19        | 9.11    | 7.87 | 5.9               | 2.64            | 97.5  |
| 907      | 3/13/2011 22:31 | 11.27  | 39.28  | 24.97        | 9.14    | 7.87 | 5.5               | 2.60            | 97.7  |
| 908      | 3/13/2011 22:46 | 11.25  | 39.29  | 24.98        | 9.14    | 7.86 | 4.7               | 2.67            | 97.6  |
| 909      | 3/13/2011 23:01 | 11.33  | 39.41  | 25.06        | 9.09    | 7.88 | 4.9               | 2.55            | 97.3  |
| 910      | 3/13/2011 23:16 | 11.27  | 39.28  | 24.97        | 9.10    | 7.82 | 5.1               | 2.54            | 97.3  |
| 911      | 3/13/2011 23:31 | 11.32  | 39.40  | 25.06        | 9.00    | 7.86 | 3.4               | 2.60            | 96.3  |
| 912      | 3/13/2011 23:46 | 11.29  | 39.68  | 25.25        | 9.14    | 7.87 | 5.7               | 2.63            | 97.9  |
| 913      | 3/14/2011 0:01  | 11.18  | 39.00  | 24.78        | 9.19    | 7.82 | 5.3               | 2.52            | 97.9  |
| 914      | 3/14/2011 0:16  | 11.31  | 39.58  | 25.18        | 9.08    | 7.87 | 4.7               | 2.52            | 97.2  |
| 915      | 3/14/2011 0:31  | 11.30  | 39.41  | 25.07        | 9.13    | 7.83 | 5.5               | 2.69            | 97.7  |
| 916      | 3/14/2011 0:46  | 11.29  | 39.71  | 25.28        | 9.14    | 7.87 | 6.0               | 2.59            | 97.9  |
| 917      | 3/14/2011 1:01  | 11.20  | 39.23  | 24.94        | 9.14    | 7.83 | 4.6               | 2.60            | 97.5  |
| 918      | 3/14/2011 1:16  | 11.28  | 39.40  | 25.06        | 9.10    | 7.83 | 4.5               | 2.70            | 97.3  |
| 919      | 3/14/2011 1:31  | 11.30  | 39.89  | 25.40        | 9.12    | 7.83 | 4.6               | 2.73            | 97.8  |
| 920      | 3/14/2011 1:46  | 11.24  | 40.60  | 25.90        | 9.19    | 7.88 | 4.2               | 2.72            | 98.7  |
| 921      | 3/14/2011 2:01  | 11.21  | 40.33  | 25.71        | 9.14    | 7.87 | 4.9               | 2.72            | 98.0  |
| 922      | 3/14/2011 2:16  | 11.21  | 40.75  | 26.00        | 9.19    | 7.89 | 4.3               | 2.84            | 98.7  |
| 923      | 3/14/2011 2:31  | 11.16  | 41.29  | 26.38        | 9.22    | 7.89 | 4.4               | 2.85            | 99.2  |
| 924      | 3/14/2011 2:46  | 11.16  | 40.76  | 26.01        | 9.25    | 7.85 | 4.3               | 2.89            | 99.3  |
| 925      | 3/14/2011 3:01  | 11.13  | 41.36  | 26.43        | 9.24    | 7.86 | 3.7               | 2.96            | 99.4  |
| 926      | 3/14/2011 3:16  | 11.07  | 41.85  | 26.78        | 9.26    | 7.86 | 3.5               | 3.01            | 99.6  |
| 927      | 3/14/2011 3:31  | 11.04  | 42.57  | 27.28        | 9.28    | 7.91 | 3.4               | 3.04            | 100.1 |
| 928      | 3/14/2011 3:46  | 11.01  | 42.95  | 27.55        | 9.32    | 7.91 | 3.9               | 3.11            | 100.7 |
| 929      | 3/14/2011 4:01  | 11.00  | 42.67  | 27.35        | 9.37    | 7.92 | 4.0               | 3.16            | 101.0 |
| 930      | 3/14/2011 4:16  | 10.98  | 42.82  | 27.45        | 9.31    | 7.92 | 3.7               | 3.20            | 100.4 |
| 931      | 3/14/2011 4:31  | 10.93  | 43.30  | 27.79        | 9.36    | 7.92 | 3.8               | 3.27            | 101.1 |
| 932      | 3/14/2011 4:46  | 10.94  | 42.84  | 27.47        | 9.38    | 7.88 | 3.9               | 3.29            | 101.1 |
| 933      | 3/14/2011 5:01  | 10.91  | 43.15  | 27.69        | 9.35    | 7.88 | 3.7               | 3.32            | 100.8 |
| 934      | 3/14/2011 5:16  | 10.93  | 42.56  | 27.27        | 9.34    | 7.88 | 3.7               | 3.39            | 100.6 |
| 935      | 3/14/2011 5:31  | 10.89  | 43.30  | 27.79        | 9.32    | 7.92 | 3.3               | 3.41            | 100.6 |
| 936      | 3/14/2011 5:46  | 10.90  | 43.12  | 27.66        | 9.35    | 7.92 | 3.4               | 3.42            | 100.8 |
| 937      | 3/14/2011 6:01  | 10.90  | 42.93  | 27.53        | 9.28    | 7.92 | 3.2               | 3.42            | 100.0 |
| 938      | 3/14/2011 6:16  | 10.87  | 43.53  | 27.96        | 9.11    | 7.87 | 2.7               | 3.43            | 98.4  |
| 939      | 3/14/2011 6:31  | 10.94  | 42.78  | 27.42        | 9.19    | 7.87 | 3.5               | 3.41            | 99.0  |
| 940      | 3/14/2011 6:46  | 10.90  | 43.35  | 27.83        | 9.18    | 7.87 | 2.8               | 3.42            | 99.1  |
| 941      | 3/14/2011 7:01  | 10.90  | 43.48  | 27.92        | 9.27    | 7.92 | 4.0               | 3.35            | 100.1 |
| 942      | 3/14/2011 7:16  | 10.86  | 43.06  | 27.62        | 9.25    | 7.87 | 6.4               | 3.27            | 99.6  |
| 943      | 3/14/2011 7:31  | 10.68  | 39.13  | 24.84        | 9.16    | 7.82 | 4.6               | 3.29            | 96.6  |
| 944      | 3/14/2011 7:46  | 10.88  | 42.42  | 27.17        | 9.24    | 7.88 | 4.2               | 3.14            | 99.2  |
| 945      | 3/14/2011 8:01  | 10.91  | 41.38  | 26.43        | 9.24    | 7.89 | 6.0               | 3.08            | 98.8  |
| 946      | 3/14/2011 8:16  | 10.95  | 41.45  | 26.49        | 9.24    | 7.89 | 4.5               | 3.10            | 99.0  |
| 947      | 3/14/2011 8:31  | 11.01  | 41.13  | 26.26        | 9.22    | 7.88 | 6.5               | 2.98            | 98.8  |
| 948      | 3/14/2011 8:46  | 11.00  | 39.89  | 25.39        | 9.20    | 7.87 | 5.4               | 2.94            | 98.0  |
| 949      | 3/14/2011 9:01  | 11.03  | 40.92  | 26.12        | 9.22    | 7.89 | 5.1               | 2.81            | 98.7  |
| 950      | 3/14/2011 9:16  | 11.06  | 40.90  | 26.10        | 9.25    | 7.89 | 7.0               | 2.69            | 99.1  |
| 951      | 3/14/2011 9:31  | 11.13  | 39.94  | 25.43        | 9.29    | 7.87 | 8.1               | 2.65            | 99.3  |
| 952      | 3/14/2011 9:46  | 11.18  | 39.73  | 25.28        | 9.25    | 7.87 | 5.7               | 2.58            | 98.8  |
| 953      | 3/14/2011 10:01 | 11.24  | 39.92  | 25.42        | 9.27    | 7.87 | 5.1               | 2.46            | 99.3  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 954      | 3/14/2011 10:16 | 11.43  | 37.97  | 24.06        | 9.43    | 7.88 | 7.8               | 2.32            | 100.5 |
| 955      | 3/14/2011 10:31 | 11.56  | 39.17  | 24.90        | 9.63    | 7.90 | 6.3               | 2.31            | 103.5 |
| 956      | 3/14/2011 10:46 | 11.52  | 38.89  | 24.71        | 9.36    | 7.84 | 5.3               | 2.18            | 100.4 |
| 957      | 3/14/2011 11:01 | 11.70  | 39.22  | 24.94        | 9.81    | 7.92 | 5.7               | 2.05            | 105.8 |
| 958      | 3/14/2011 11:16 | 11.61  | 38.88  | 24.70        | 9.40    | 7.89 | 6.8               | 2.00            | 101.0 |
| 959      | 3/14/2011 11:31 | 11.67  | 38.48  | 24.42        | 9.40    | 7.89 | 6.3               | 1.90            | 101.0 |
| 960      | 3/14/2011 11:46 | 11.76  | 38.69  | 24.57        | 9.55    | 7.86 | 8.1               | 1.76            | 102.8 |
| 961      | 3/14/2011 12:01 | 11.73  | 38.60  | 24.52        | 9.45    | 7.90 | 7.2               | 1.70            | 101.7 |
| 962      | 3/14/2011 12:16 | 11.83  | 38.53  | 24.46        | 9.48    | 7.91 | 7.3               | 1.69            | 102.2 |
| 963      | 3/14/2011 12:31 | 11.91  | 38.41  | 24.39        | 9.44    | 7.91 | 7.0               | 1.62            | 102.0 |
| 964      | 3/14/2011 12:46 | 11.88  | 38.37  | 24.36        | 9.37    | 7.86 | 6.3               | 1.53            | 101.0 |
| 965      | 3/14/2011 13:01 | 11.54  | 39.19  | 24.92        | 9.24    | 7.83 | 4.6               | 1.61            | 99.3  |
| 966      | 3/14/2011 13:16 | 11.90  | 38.55  | 24.48        | 9.39    | 7.86 | 6.0               | 1.48            | 101.4 |
| 967      | 3/14/2011 13:31 | 11.91  | 38.46  | 24.42        | 9.37    | 7.91 | 5.8               | 1.58            | 101.1 |
| 968      | 3/14/2011 13:46 | 11.87  | 38.46  | 24.42        | 9.45    | 7.91 | 6.7               | 1.62            | 102.0 |
| 969      | 3/14/2011 14:01 | 11.76  | 38.75  | 24.62        | 9.45    | 7.90 | 7.3               | 1.60            | 101.8 |
| 970      | 3/14/2011 14:16 | 11.73  | 38.08  | 24.15        | 9.40    | 7.89 | 6.2               | 1.60            | 100.9 |
| 971      | 3/14/2011 14:31 | 11.66  | 38.59  | 24.50        | 9.30    | 7.84 | 4.8               | 1.65            | 99.9  |
| 972      | 3/14/2011 14:46 | 11.59  | 38.67  | 24.56        | 9.20    | 7.84 | 5.0               | 1.75            | 98.8  |
| 973      | 3/14/2011 15:01 | 11.60  | 38.53  | 24.46        | 9.24    | 7.83 | 5.6               | 1.71            | 99.1  |
| 974      | 3/14/2011 15:16 | 11.54  | 38.51  | 24.44        | 9.17    | 7.86 | 5.3               | 1.80            | 98.3  |
| 975      | 3/14/2011 15:31 | 11.51  | 38.68  | 24.56        | 9.20    | 7.87 | 5.4               | 1.93            | 98.5  |
| 976      | 3/14/2011 15:46 | 11.49  | 38.71  | 24.58        | 9.17    | 7.82 | 4.5               | 1.91            | 98.2  |
| 977      | 3/14/2011 16:01 | 11.44  | 38.64  | 24.53        | 9.17    | 7.85 | 4.8               | 1.97            | 98.1  |
| 978      | 3/14/2011 16:16 | 11.36  | 38.81  | 24.64        | 9.14    | 7.86 | 4.6               | 2.09            | 97.6  |
| 979      | 3/14/2011 16:31 | 11.34  | 38.49  | 24.42        | 9.22    | 7.86 | 6.2               | 2.18            | 98.3  |
| 980      | 3/14/2011 16:46 | 11.32  | 38.73  | 24.59        | 9.16    | 7.86 | 4.9               | 2.18            | 97.8  |
| 981      | 3/14/2011 17:01 | 11.28  | 39.34  | 25.02        | 9.17    | 7.85 | 5.2               | 2.26            | 98.0  |
| 982      | 3/14/2011 17:16 | 11.28  | 39.26  | 24.96        | 9.20    | 7.87 | 5.4               | 2.38            | 98.4  |
| 983      | 3/14/2011 17:31 | 11.31  | 39.49  | 25.12        | 9.21    | 7.86 | 5.6               | 2.39            | 98.6  |
| 984      | 3/14/2011 17:46 | 11.27  | 39.52  | 25.14        | 9.28    | 7.88 | 4.8               | 2.49            | 99.3  |
| 985      | 3/14/2011 18:01 | 11.26  | 39.28  | 24.97        | 9.32    | 7.84 | 5.9               | 2.55            | 99.6  |
| 986      | 3/14/2011 18:16 | 11.18  | 40.15  | 25.58        | 9.24    | 7.88 | 5.1               | 2.60            | 98.9  |
| 987      | 3/14/2011 18:31 | 11.13  | 40.34  | 25.71        | 9.25    | 7.87 | 5.5               | 2.68            | 99.0  |
| 988      | 3/14/2011 18:46 | 11.11  | 39.97  | 25.45        | 9.32    | 7.88 | 6.2               | 2.70            | 99.6  |
| 989      | 3/14/2011 19:01 | 11.07  | 40.71  | 25.97        | 9.28    | 7.88 | 5.2               | 2.79            | 99.3  |
| 990      | 3/14/2011 19:16 | 11.04  | 41.14  | 26.27        | 9.29    | 7.89 | 4.9               | 2.82            | 99.6  |
| 991      | 3/14/2011 19:31 | 11.02  | 41.42  | 26.47        | 9.22    | 7.88 | 4.2               | 2.87            | 98.9  |
| 992      | 3/14/2011 19:46 | 10.98  | 41.95  | 26.84        | 9.20    | 7.89 | 4.4               | 2.93            | 98.8  |
| 993      | 3/14/2011 20:01 | 10.98  | 41.41  | 26.46        | 9.14    | 7.85 | 3.4               | 2.93            | 98.0  |
| 994      | 3/14/2011 20:16 | 10.96  | 42.18  | 27.00        | 9.14    | 7.86 | 3.6               | 3.01            | 98.3  |
| 995      | 3/14/2011 20:31 | 10.92  | 42.44  | 27.18        | 9.28    | 7.90 | 4.0               | 2.99            | 99.8  |
| 996      | 3/14/2011 20:46 | 10.95  | 42.20  | 27.02        | 9.18    | 7.90 | 3.5               | 2.98            | 98.7  |
| 997      | 3/14/2011 21:01 | 10.93  | 42.34  | 27.12        | 9.17    | 7.90 | 3.1               | 2.96            | 98.6  |
| 998      | 3/14/2011 21:16 | 10.96  | 42.14  | 26.97        | 9.13    | 7.89 | 3.8               | 2.96            | 98.1  |
| 999      | 3/14/2011 21:31 | 10.98  | 41.76  | 26.70        | 9.16    | 7.89 | 4.0               | 2.99            | 98.3  |
| 1000     | 3/14/2011 21:46 | 10.95  | 42.03  | 26.89        | 9.14    | 7.89 | 3.8               | 2.93            | 98.1  |
| 1001     | 3/14/2011 22:01 | 10.98  | 41.94  | 26.83        | 9.19    | 7.89 | 4.5               | 2.88            | 98.7  |
| 1002     | 3/14/2011 22:16 | 11.03  | 41.15  | 26.27        | 9.16    | 7.88 | 4.5               | 2.83            | 98.1  |
| 1003     | 3/14/2011 22:31 | 11.06  | 40.34  | 25.71        | 9.23    | 7.84 | 5.8               | 2.79            | 98.6  |
| 1004     | 3/14/2011 22:46 | 11.08  | 40.01  | 25.48        | 9.24    | 7.86 | 6.1               | 2.80            | 98.7  |
| 1005     | 3/14/2011 23:01 | 11.05  | 40.62  | 25.90        | 9.22    | 7.87 | 5.0               | 2.72            | 98.6  |
| 1006     | 3/14/2011 23:16 | 11.06  | 40.42  | 25.76        | 9.22    | 7.88 | 5.7               | 2.70            | 98.6  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1007     | 3/14/2011 23:31 | 11.10  | 39.79  | 25.32        | 9.23    | 7.84 | 6.0               | 2.68            | 98.5  |
| 1008     | 3/14/2011 23:46 | 11.08  | 40.02  | 25.49        | 9.23    | 7.86 | 7.3               | 2.61            | 98.5  |
| 1009     | 3/15/2011 0:01  | 11.10  | 40.23  | 25.63        | 9.14    | 7.87 | 5.1               | 2.54            | 97.7  |
| 1010     | 3/15/2011 0:16  | 11.13  | 39.97  | 25.45        | 9.17    | 7.86 | 5.7               | 2.48            | 98.0  |
| 1011     | 3/15/2011 0:31  | 11.17  | 39.49  | 25.12        | 9.19    | 7.87 | 5.3               | 2.54            | 98.0  |
| 1012     | 3/15/2011 0:46  | 11.17  | 37.95  | 24.04        | 9.15    | 7.85 | 4.3               | 2.46            | 97.0  |
| 1013     | 3/15/2011 1:01  | 11.16  | 38.41  | 24.36        | 9.03    | 7.86 | 4.3               | 2.46            | 95.9  |
| 1014     | 3/15/2011 1:16  | 11.17  | 38.07  | 24.13        | 9.01    | 7.84 | 3.2               | 2.48            | 95.5  |
| 1015     | 3/15/2011 1:31  | 11.13  | 39.81  | 25.34        | 9.13    | 7.86 | 5.1               | 2.50            | 97.5  |
| 1016     | 3/15/2011 1:46  | 11.13  | 39.84  | 25.36        | 9.15    | 7.83 | 5.3               | 2.50            | 97.7  |
| 1017     | 3/15/2011 2:01  | 11.13  | 40.03  | 25.49        | 9.11    | 7.83 | 4.9               | 2.49            | 97.3  |
| 1018     | 3/15/2011 2:16  | 11.13  | 39.81  | 25.34        | 9.18    | 7.85 | 4.8               | 2.54            | 98.0  |
| 1019     | 3/15/2011 2:31  | 11.10  | 40.40  | 25.76        | 9.09    | 7.87 | 4.8               | 2.54            | 97.2  |
| 1020     | 3/15/2011 2:46  | 11.06  | 40.92  | 26.11        | 9.09    | 7.88 | 4.5               | 2.57            | 97.4  |
| 1021     | 3/15/2011 3:01  | 11.00  | 41.49  | 26.51        | 9.17    | 7.89 | 5.1               | 2.63            | 98.3  |
| 1022     | 3/15/2011 3:16  | 10.99  | 41.39  | 26.44        | 9.24    | 7.86 | 4.9               | 2.65            | 99.1  |
| 1023     | 3/15/2011 3:31  | 10.99  | 41.28  | 26.37        | 9.24    | 7.87 | 5.1               | 2.69            | 99.0  |
| 1024     | 3/15/2011 3:46  | 10.95  | 40.73  | 25.98        | 9.36    | 7.88 | 7.1               | 2.78            | 99.9  |
| 1025     | 3/15/2011 4:01  | 10.98  | 40.73  | 25.98        | 9.42    | 7.87 | 9.2               | 2.80            | 100.7 |
| 1026     | 3/15/2011 4:16  | 10.99  | 40.79  | 26.02        | 9.42    | 7.88 | 5.2               | 2.82            | 100.7 |
| 1027     | 3/15/2011 4:31  | 10.95  | 40.95  | 26.13        | 9.44    | 7.90 | 6.0               | 2.98            | 100.9 |
| 1028     | 3/15/2011 4:46  | 10.92  | 41.41  | 26.46        | 9.47    | 7.87 | 7.9               | 3.00            | 101.4 |
| 1029     | 3/15/2011 5:01  | 10.89  | 41.79  | 26.72        | 9.49    | 7.89 | 5.7               | 3.06            | 101.7 |
| 1030     | 3/15/2011 5:16  | 10.83  | 42.03  | 26.89        | 9.55    | 7.90 | 5.3               | 3.16            | 102.3 |
| 1031     | 3/15/2011 5:31  | 10.80  | 42.24  | 27.03        | 9.59    | 7.92 | 6.9               | 3.20            | 102.8 |
| 1032     | 3/15/2011 5:46  | 10.76  | 42.56  | 27.26        | 9.63    | 7.92 | 6.3               | 3.30            | 103.3 |
| 1033     | 3/15/2011 6:01  | 10.70  | 43.35  | 27.82        | 9.71    | 7.91 | 6.2               | 3.30            | 104.3 |
| 1034     | 3/15/2011 6:16  | 10.67  | 43.81  | 28.14        | 9.72    | 7.90 | 6.1               | 3.38            | 104.6 |
| 1035     | 3/15/2011 6:31  | 10.65  | 43.94  | 28.23        | 9.76    | 7.92 | 6.8               | 3.42            | 105.0 |
| 1036     | 3/15/2011 6:46  | 10.63  | 44.11  | 28.35        | 9.80    | 7.93 | 6.0               | 3.49            | 105.5 |
| 1037     | 3/15/2011 7:01  | 10.62  | 44.19  | 28.41        | 9.77    | 7.93 | 6.3               | 3.48            | 105.2 |
| 1038     | 3/15/2011 7:16  | 10.61  | 44.42  | 28.57        | 9.75    | 7.93 | 6.1               | 3.53            | 105.1 |
| 1039     | 3/15/2011 7:31  | 10.62  | 44.21  | 28.42        | 9.68    | 7.92 | 4.4               | 3.53            | 104.2 |
| 1040     | 3/15/2011 7:46  | 10.60  | 44.20  | 28.42        | 9.76    | 7.90 | 5.9               | 3.52            | 105.0 |
| 1041     | 3/15/2011 8:01  | 10.59  | 44.43  | 28.58        | 9.76    | 7.93 | 5.3               | 3.51            | 105.1 |
| 1042     | 3/15/2011 8:16  | 10.63  | 44.16  | 28.39        | 9.67    | 7.93 | 5.6               | 3.49            | 104.1 |
| 1043     | 3/15/2011 8:31  | 10.62  | 44.25  | 28.45        | 9.77    | 7.93 | 7.9               | 3.41            | 105.3 |
| 1044     | 3/15/2011 8:46  | 10.78  | 42.66  | 27.33        | 9.60    | 7.90 | 6.3               | 3.39            | 103.0 |
| 1045     | 3/15/2011 9:01  | 10.89  | 41.32  | 26.39        | 9.54    | 7.90 | 5.7               | 3.31            | 102.0 |
| 1046     | 3/15/2011 9:16  | 10.83  | 41.87  | 26.77        | 9.58    | 7.89 | 7.9               | 3.18            | 102.5 |
| 1047     | 3/15/2011 9:31  | 10.85  | 41.84  | 26.75        | 9.56    | 7.90 | 9.5               | 3.14            | 102.3 |
| 1048     | 3/15/2011 9:46  | 10.83  | 42.22  | 27.03        | 9.58    | 7.91 | 7.8               | 3.06            | 102.7 |
| 1049     | 3/15/2011 10:01 | 10.86  | 41.88  | 26.78        | 9.54    | 7.89 | 8.8               | 2.93            | 102.2 |
| 1050     | 3/15/2011 10:16 | 10.90  | 41.22  | 26.32        | 9.54    | 7.90 | 9.8               | 2.84            | 102.0 |
| 1051     | 3/15/2011 10:31 | 10.94  | 41.11  | 26.24        | 9.49    | 7.90 | 7.8               | 2.75            | 101.5 |
| 1052     | 3/15/2011 10:46 | 10.98  | 40.54  | 25.84        | 9.47    | 7.89 | 6.7               | 2.64            | 101.1 |
| 1053     | 3/15/2011 11:01 | 11.04  | 40.22  | 25.62        | 9.49    | 7.85 | 6.3               | 2.54            | 101.3 |
| 1054     | 3/15/2011 11:16 | 11.08  | 40.40  | 25.75        | 9.52    | 7.87 | 5.1               | 2.43            | 101.8 |
| 1055     | 3/15/2011 11:31 | 11.11  | 40.13  | 25.56        | 9.50    | 7.89 | 5.6               | 2.32            | 101.6 |
| 1056     | 3/15/2011 11:46 | 11.17  | 40.14  | 25.57        | 9.47    | 7.88 | 5.7               | 2.22            | 101.3 |
| 1057     | 3/15/2011 12:01 | 11.21  | 39.48  | 25.11        | 9.50    | 7.88 | 6.5               | 2.11            | 101.4 |
| 1058     | 3/15/2011 12:16 | 11.28  | 39.89  | 25.40        | 9.49    | 7.87 | 7.6               | 1.98            | 101.7 |
| 1059     | 3/15/2011 12:31 | 11.30  | 39.67  | 25.25        | 9.44    | 7.88 | 7.2               | 1.93            | 101.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1060     | 3/15/2011 12:46 | 11.36  | 39.58  | 25.18        | 9.46    | 7.88 | 7.6               | 1.80            | 101.5 |
| 1061     | 3/15/2011 13:01 | 11.41  | 39.50  | 25.13        | 9.47    | 7.89 | 8.9               | 1.70            | 101.6 |
| 1062     | 3/15/2011 13:16 | 11.44  | 39.62  | 25.21        | 9.40    | 7.88 | 10.0              | 1.58            | 100.9 |
| 1063     | 3/15/2011 13:31 | 11.47  | 39.10  | 24.85        | 9.38    | 7.88 | 9.1               | 1.58            | 100.6 |
| 1064     | 3/15/2011 13:46 | 11.52  | 39.19  | 24.92        | 9.34    | 7.88 | 7.0               | 1.50            | 100.3 |
| 1065     | 3/15/2011 14:01 | 11.53  | 39.16  | 24.90        | 9.25    | 7.86 | 4.2               | 1.43            | 99.3  |
| 1066     | 3/15/2011 14:16 | 11.54  | 39.19  | 24.92        | 9.29    | 7.86 | 12.9              | 1.47            | 99.8  |
| 1067     | 3/15/2011 14:31 | 11.45  | 39.26  | 24.96        | 9.28    | 7.87 | 7.9               | 1.48            | 99.6  |
| 1068     | 3/15/2011 14:46 | 11.44  | 39.24  | 24.95        | 9.34    | 7.88 | 6.8               | 1.49            | 100.2 |
| 1069     | 3/15/2011 15:01 | 11.44  | 39.23  | 24.94        | 9.37    | 7.87 | 8.5               | 1.49            | 100.5 |
| 1070     | 3/15/2011 15:16 | 11.39  | 37.61  | 23.81        | 9.42    | 7.85 | 10.9              | 1.57            | 100.2 |
| 1071     | 3/15/2011 15:31 | 11.39  | 38.93  | 24.73        | 9.32    | 7.87 | 6.4               | 1.65            | 99.7  |
| 1072     | 3/15/2011 15:46 | 11.37  | 38.04  | 24.11        | 9.36    | 7.86 | 7.3               | 1.68            | 99.7  |
| 1073     | 3/15/2011 16:01 | 11.36  | 39.12  | 24.86        | 9.28    | 7.86 | 5.7               | 1.75            | 99.2  |
| 1074     | 3/15/2011 16:16 | 11.32  | 38.98  | 24.76        | 9.25    | 7.86 | 5.2               | 1.83            | 98.8  |
| 1075     | 3/15/2011 16:31 | 11.30  | 38.22  | 24.23        | 9.38    | 7.86 | 8.2               | 1.88            | 99.8  |
| 1076     | 3/15/2011 16:46 | 11.28  | 38.49  | 24.42        | 9.32    | 7.85 | 5.8               | 1.95            | 99.3  |
| 1077     | 3/15/2011 17:01 | 11.27  | 38.76  | 24.61        | 9.31    | 7.86 | 5.1               | 2.05            | 99.3  |
| 1078     | 3/15/2011 17:16 | 11.25  | 39.01  | 24.78        | 9.32    | 7.86 | 5.9               | 2.12            | 99.4  |
| 1079     | 3/15/2011 17:31 | 11.22  | 39.20  | 24.92        | 9.33    | 7.86 | 6.2               | 2.19            | 99.6  |
| 1080     | 3/15/2011 17:46 | 11.20  | 39.45  | 25.09        | 9.34    | 7.87 | 6.3               | 2.32            | 99.8  |
| 1081     | 3/15/2011 18:01 | 11.18  | 39.73  | 25.29        | 9.36    | 7.87 | 6.3               | 2.37            | 100.0 |
| 1082     | 3/15/2011 18:16 | 11.15  | 39.72  | 25.28        | 9.39    | 7.87 | 6.5               | 2.45            | 100.3 |
| 1083     | 3/15/2011 18:31 | 11.12  | 39.41  | 25.06        | 9.45    | 7.87 | 7.2               | 2.53            | 100.7 |
| 1084     | 3/15/2011 18:46 | 11.08  | 39.60  | 25.19        | 9.44    | 7.87 | 6.8               | 2.59            | 100.6 |
| 1085     | 3/15/2011 19:01 | 11.09  | 40.03  | 25.49        | 9.38    | 7.87 | 6.4               | 2.68            | 100.2 |
| 1086     | 3/15/2011 19:16 | 11.07  | 40.21  | 25.61        | 9.38    | 7.88 | 6.8               | 2.75            | 100.2 |
| 1087     | 3/15/2011 19:31 | 11.04  | 39.97  | 25.45        | 9.41    | 7.88 | 6.8               | 2.82            | 100.3 |
| 1088     | 3/15/2011 19:46 | 11.02  | 40.49  | 25.81        | 9.42    | 7.86 | 6.7               | 2.90            | 100.6 |
| 1089     | 3/15/2011 20:01 | 11.00  | 40.68  | 25.95        | 9.44    | 7.88 | 7.3               | 2.97            | 101.0 |
| 1090     | 3/15/2011 20:16 | 10.99  | 41.01  | 26.18        | 9.46    | 7.89 | 8.8               | 3.03            | 101.3 |
| 1091     | 3/15/2011 20:31 | 10.95  | 41.46  | 26.49        | 9.52    | 7.90 | 10.1              | 3.09            | 102.0 |
| 1092     | 3/15/2011 20:46 | 10.89  | 41.90  | 26.80        | 9.59    | 7.91 | 9.8               | 3.12            | 102.8 |
| 1093     | 3/15/2011 21:01 | 10.84  | 42.35  | 27.12        | 9.71    | 7.92 | 8.5               | 3.16            | 104.2 |
| 1094     | 3/15/2011 21:16 | 10.85  | 41.93  | 26.82        | 9.63    | 7.91 | 5.7               | 3.19            | 103.1 |
| 1095     | 3/15/2011 21:31 | 10.82  | 42.32  | 27.10        | 9.73    | 7.89 | 7.5               | 3.19            | 104.4 |
| 1096     | 3/15/2011 21:46 | 10.82  | 42.54  | 27.25        | 9.68    | 7.92 | 7.4               | 3.19            | 103.9 |
| 1097     | 3/15/2011 22:01 | 10.88  | 41.94  | 26.83        | 9.57    | 7.91 | 6.1               | 3.18            | 102.6 |
| 1098     | 3/15/2011 22:16 | 10.89  | 41.90  | 26.80        | 9.60    | 7.90 | 10.7              | 3.07            | 102.9 |
| 1099     | 3/15/2011 22:31 | 10.93  | 40.12  | 25.55        | 9.40    | 7.88 | 9.5               | 3.04            | 100.1 |
| 1100     | 3/15/2011 22:46 | 10.99  | 39.89  | 25.39        | 9.25    | 7.86 | 6.6               | 3.03            | 98.5  |
| 1101     | 3/15/2011 23:01 | 11.01  | 40.29  | 25.67        | 9.31    | 7.87 | 7.4               | 2.93            | 99.4  |
| 1102     | 3/15/2011 23:16 | 11.06  | 39.96  | 25.44        | 9.21    | 7.86 | 9.0               | 2.83            | 98.3  |
| 1103     | 3/15/2011 23:31 | 11.03  | 39.93  | 25.42        | 9.24    | 7.87 | 5.9               | 2.81            | 98.5  |
| 1104     | 3/15/2011 23:46 | 11.03  | 39.61  | 25.20        | 9.22    | 7.86 | 5.6               | 2.73            | 98.1  |
| 1105     | 3/16/2011 0:01  | 11.01  | 39.66  | 25.23        | 9.24    | 7.86 | 5.3               | 2.64            | 98.4  |
| 1106     | 3/16/2011 0:16  | 11.00  | 39.56  | 25.16        | 9.25    | 7.84 | 5.1               | 2.59            | 98.4  |
| 1107     | 3/16/2011 0:31  | 10.99  | 39.12  | 24.85        | 9.24    | 7.85 | 4.9               | 2.54            | 98.0  |
| 1108     | 3/16/2011 0:46  | 10.98  | 39.03  | 24.79        | 9.22    | 7.85 | 5.2               | 2.48            | 97.8  |
| 1109     | 3/16/2011 1:01  | 10.99  | 38.92  | 24.71        | 9.20    | 7.85 | 5.3               | 2.42            | 97.6  |
| 1110     | 3/16/2011 1:16  | 10.96  | 38.95  | 24.73        | 9.21    | 7.85 | 5.2               | 2.37            | 97.6  |
| 1111     | 3/16/2011 1:31  | 10.96  | 38.71  | 24.56        | 9.19    | 7.84 | 5.1               | 2.36            | 97.2  |
| 1112     | 3/16/2011 1:46  | 10.96  | 38.57  | 24.46        | 9.03    | 7.84 | 4.1               | 2.34            | 95.5  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1113     | 3/16/2011 2:01  | 10.98  | 38.41  | 24.36        | 9.02    | 7.83 | 4.4        | 2.27   | 95.4  |
| 1114     | 3/16/2011 2:16  | 10.99  | 38.73  | 24.58        | 9.19    | 7.84 | 5.1        | 2.29   | 97.4  |
| 1115     | 3/16/2011 2:31  | 11.01  | 38.97  | 24.75        | 9.20    | 7.85 | 5.1        | 2.29   | 97.6  |
| 1116     | 3/16/2011 2:46  | 11.00  | 38.80  | 24.63        | 9.17    | 7.85 | 4.6        | 2.29   | 97.2  |
| 1117     | 3/16/2011 3:01  | 11.03  | 38.85  | 24.66        | 9.21    | 7.85 | 4.8        | 2.30   | 97.7  |
| 1118     | 3/16/2011 3:16  | 11.01  | 38.66  | 24.53        | 9.20    | 7.85 | 4.8        | 2.32   | 97.4  |
| 1119     | 3/16/2011 3:31  | 11.00  | 38.61  | 24.49        | 9.20    | 7.85 | 5.4        | 2.38   | 97.4  |
| 1120     | 3/16/2011 3:46  | 11.01  | 38.84  | 24.65        | 9.21    | 7.85 | 5.2        | 2.44   | 97.6  |
| 1121     | 3/16/2011 4:01  | 11.00  | 38.62  | 24.50        | 9.23    | 7.85 | 7.9        | 2.47   | 97.8  |
| 1122     | 3/16/2011 4:16  | 10.99  | 38.76  | 24.60        | 9.24    | 7.85 | 5.9        | 2.53   | 97.9  |
| 1123     | 3/16/2011 4:31  | 10.97  | 38.98  | 24.75        | 9.29    | 7.86 | 6.8        | 2.62   | 98.5  |
| 1124     | 3/16/2011 4:46  | 10.97  | 39.13  | 24.86        | 9.31    | 7.86 | 7.0        | 2.68   | 98.7  |
| 1125     | 3/16/2011 5:01  | 10.93  | 38.85  | 24.66        | 9.36    | 7.86 | 7.0        | 2.71   | 99.0  |
| 1126     | 3/16/2011 5:16  | 10.93  | 38.72  | 24.56        | 9.41    | 7.87 | 6.0        | 2.80   | 99.6  |
| 1127     | 3/16/2011 5:31  | 10.85  | 38.96  | 24.74        | 9.48    | 7.87 | 9.6        | 2.88   | 100.3 |
| 1128     | 3/16/2011 5:46  | 10.73  | 39.02  | 24.77        | 9.58    | 7.87 | 10.1       | 2.95   | 101.0 |
| 1129     | 3/16/2011 6:01  | 10.69  | 39.17  | 24.87        | 9.61    | 7.84 | 12.9       | 3.00   | 101.4 |
| 1130     | 3/16/2011 6:16  | 10.67  | 39.98  | 25.44        | 9.63    | 7.88 | 11.2       | 3.13   | 101.8 |
| 1131     | 3/16/2011 6:31  | 10.66  | 40.89  | 26.08        | 9.64    | 7.90 | 9.9        | 3.19   | 102.3 |
| 1132     | 3/16/2011 6:46  | 10.61  | 41.06  | 26.20        | 9.67    | 7.88 | 9.7        | 3.25   | 102.6 |
| 1133     | 3/16/2011 7:01  | 10.55  | 41.09  | 26.21        | 9.70    | 7.91 | 7.6        | 3.35   | 102.8 |
| 1134     | 3/16/2011 7:16  | 10.53  | 41.82  | 26.72        | 9.74    | 7.92 | 7.5        | 3.37   | 103.6 |
| 1135     | 3/16/2011 7:31  | 10.62  | 42.44  | 27.17        | 9.72    | 7.91 | 6.5        | 3.46   | 103.9 |
| 1136     | 3/16/2011 7:46  | 10.60  | 42.70  | 27.35        | 9.73    | 7.91 | 6.4        | 3.51   | 104.0 |
| 1137     | 3/16/2011 8:01  | 10.58  | 42.86  | 27.46        | 9.71    | 7.93 | 6.9        | 3.50   | 103.8 |
| 1138     | 3/16/2011 8:16  | 10.57  | 42.95  | 27.53        | 9.71    | 7.93 | 6.7        | 3.59   | 103.8 |
| 1139     | 3/16/2011 8:31  | 10.56  | 42.50  | 27.21        | 9.71    | 7.92 | 5.2        | 3.61   | 103.6 |
| 1140     | 3/16/2011 8:46  | 10.55  | 42.01  | 26.86        | 9.75    | 7.92 | 5.9        | 3.58   | 103.8 |
| 1141     | 3/16/2011 9:01  | 10.56  | 42.27  | 27.05        | 9.78    | 7.91 | 8.1        | 3.55   | 104.3 |
| 1142     | 3/16/2011 9:16  | 10.55  | 42.44  | 27.17        | 9.77    | 7.91 | 7.8        | 3.58   | 104.2 |
| 1143     | 3/16/2011 9:31  | 10.69  | 41.77  | 26.70        | 9.65    | 7.89 | 7.0        | 3.53   | 102.9 |
| 1144     | 3/16/2011 9:46  | 10.67  | 41.86  | 26.76        | 9.70    | 7.89 | 9.1        | 3.39   | 103.4 |
| 1145     | 3/16/2011 10:01 | 10.73  | 41.89  | 26.78        | 9.62    | 7.91 | 6.9        | 3.35   | 102.8 |
| 1146     | 3/16/2011 10:16 | 10.93  | 40.58  | 25.87        | 9.59    | 7.87 | 7.3        | 3.25   | 102.3 |
| 1147     | 3/16/2011 10:31 | 10.98  | 40.40  | 25.75        | 9.59    | 7.89 | 6.3        | 3.18   | 102.4 |
| 1148     | 3/16/2011 10:46 | 10.96  | 40.40  | 25.75        | 9.62    | 7.89 | 5.6        | 3.09   | 102.6 |
| 1149     | 3/16/2011 11:01 | 10.96  | 40.01  | 25.47        | 9.64    | 7.89 | 5.9        | 2.96   | 102.7 |
| 1150     | 3/16/2011 11:16 | 10.96  | 39.32  | 24.99        | 9.66    | 7.88 | 6.7        | 2.88   | 102.5 |
| 1151     | 3/16/2011 11:31 | 11.03  | 39.69  | 25.25        | 9.66    | 7.88 | 6.8        | 2.76   | 102.8 |
| 1152     | 3/16/2011 11:46 | 11.16  | 39.95  | 25.44        | 9.66    | 7.89 | 8.0        | 2.67   | 103.2 |
| 1153     | 3/16/2011 12:01 | 11.20  | 39.47  | 25.11        | 9.68    | 7.86 | 10.4       | 2.54   | 103.3 |
| 1154     | 3/16/2011 12:16 | 11.19  | 38.63  | 24.51        | 9.65    | 7.85 | 9.4        | 2.44   | 102.6 |
| 1155     | 3/16/2011 12:31 | 11.27  | 38.45  | 24.39        | 9.69    | 7.87 | 7.3        | 2.30   | 103.1 |
| 1156     | 3/16/2011 12:46 | 11.51  | 38.59  | 24.49        | 10.01   | 7.91 | 7.5        | 2.21   | 107.1 |
| 1157     | 3/16/2011 13:01 | 11.55  | 38.01  | 24.10        | 9.95    | 7.89 | 7.3        | 2.02   | 106.3 |
| 1158     | 3/16/2011 13:16 | 11.68  | 37.56  | 23.79        | 9.91    | 7.90 | 7.9        | 1.91   | 106.1 |
| 1159     | 3/16/2011 13:31 | 11.81  | 37.38  | 23.66        | 10.07   | 7.92 | 8.0        | 1.81   | 107.9 |
| 1160     | 3/16/2011 13:46 | 11.77  | 37.35  | 23.64        | 9.97    | 7.90 | 7.3        | 1.68   | 106.8 |
| 1161     | 3/16/2011 14:01 | 11.80  | 37.34  | 23.64        | 9.91    | 7.90 | 7.3        | 1.57   | 106.2 |
| 1162     | 3/16/2011 14:16 | 11.79  | 37.52  | 23.76        | 9.90    | 7.90 | 7.4        | 1.51   | 106.2 |
| 1163     | 3/16/2011 14:31 | 11.81  | 37.40  | 23.68        | 9.83    | 7.89 | 7.8        | 1.43   | 105.4 |
| 1164     | 3/16/2011 14:46 | 11.78  | 37.33  | 23.63        | 9.60    | 7.88 | 5.4        | 1.38   | 102.9 |
| 1165     | 3/16/2011 15:01 | 11.85  | 37.67  | 23.87        | 9.77    | 7.89 | 8.3        | 1.33   | 105.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1166     | 3/16/2011 15:16 | 11.65  | 37.58  | 23.80        | 9.70    | 7.88 | 5.4               | 1.39            | 103.7 |
| 1167     | 3/16/2011 15:31 | 11.73  | 37.48  | 23.73        | 9.80    | 7.89 | 7.4               | 1.37            | 104.9 |
| 1168     | 3/16/2011 15:46 | 11.73  | 37.64  | 23.84        | 9.81    | 7.89 | 7.6               | 1.40            | 105.1 |
| 1169     | 3/16/2011 16:01 | 11.69  | 37.42  | 23.69        | 9.76    | 7.88 | 7.1               | 1.45            | 104.4 |
| 1170     | 3/16/2011 16:16 | 11.68  | 37.44  | 23.70        | 9.74    | 7.88 | 6.7               | 1.51            | 104.2 |
| 1171     | 3/16/2011 16:31 | 11.65  | 37.29  | 23.59        | 9.74    | 7.88 | 7.4               | 1.60            | 104.1 |
| 1172     | 3/16/2011 16:46 | 11.60  | 36.98  | 23.38        | 9.75    | 7.88 | 7.1               | 1.65            | 103.9 |
| 1173     | 3/16/2011 17:01 | 11.56  | 36.85  | 23.29        | 9.73    | 7.87 | 7.9               | 1.73            | 103.5 |
| 1174     | 3/16/2011 17:16 | 11.53  | 36.54  | 23.07        | 9.71    | 7.86 | 8.5               | 1.83            | 103.2 |
| 1175     | 3/16/2011 17:31 | 11.54  | 36.87  | 23.30        | 9.67    | 7.86 | 7.0               | 1.90            | 102.8 |
| 1176     | 3/16/2011 17:46 | 11.44  | 36.43  | 22.99        | 9.69    | 7.85 | 9.5               | 2.00            | 102.6 |
| 1177     | 3/16/2011 18:01 | 11.39  | 36.83  | 23.27        | 9.65    | 7.85 | 8.9               | 2.11            | 102.2 |
| 1178     | 3/16/2011 18:16 | 11.37  | 36.86  | 23.29        | 9.61    | 7.85 | 8.9               | 2.19            | 101.9 |
| 1179     | 3/16/2011 18:31 | 11.36  | 36.86  | 23.29        | 9.64    | 7.85 | 9.7               | 2.29            | 102.1 |
| 1180     | 3/16/2011 18:46 | 11.33  | 36.95  | 23.35        | 9.66    | 7.85 | 10.3              | 2.40            | 102.3 |
| 1181     | 3/16/2011 19:01 | 11.28  | 38.58  | 24.49        | 9.51    | 7.86 | 9.8               | 2.49            | 101.3 |
| 1182     | 3/16/2011 19:16 | 11.24  | 38.73  | 24.58        | 9.51    | 7.86 | 9.9               | 2.56            | 101.3 |
| 1183     | 3/16/2011 19:31 | 11.21  | 38.98  | 24.76        | 9.52    | 7.86 | 10.6              | 2.65            | 101.4 |
| 1184     | 3/16/2011 19:46 | 11.17  | 39.05  | 24.81        | 9.51    | 7.86 | 11.4              | 2.73            | 101.3 |
| 1185     | 3/16/2011 20:01 | 11.13  | 39.12  | 24.86        | 9.55    | 7.87 | 12.3              | 2.85            | 101.7 |
| 1186     | 3/16/2011 20:16 | 11.12  | 39.35  | 25.02        | 9.61    | 7.87 | 12.8              | 2.89            | 102.4 |
| 1187     | 3/16/2011 20:31 | 11.11  | 39.50  | 25.12        | 9.65    | 7.88 | 20.0              | 2.97            | 102.8 |
| 1188     | 3/16/2011 20:46 | 11.01  | 40.22  | 25.62        | 9.70    | 7.89 | 25.3              | 3.09            | 103.5 |
| 1189     | 3/16/2011 21:01 | 10.86  | 41.18  | 26.29        | 9.95    | 7.91 | 37.1              | 3.13            | 106.3 |
| 1190     | 3/16/2011 21:16 | 10.76  | 41.72  | 26.67        | 10.03   | 7.92 | 29.5              | 3.23            | 107.1 |
| 1191     | 3/16/2011 21:31 | 10.65  | 42.14  | 26.96        | 10.13   | 7.95 | 27.8              | 3.27            | 108.2 |
| 1192     | 3/16/2011 21:46 | 10.60  | 42.08  | 26.91        | 10.22   | 7.95 | 24.0              | 3.32            | 109.0 |
| 1193     | 3/16/2011 22:01 | 10.58  | 42.45  | 27.18        | 10.22   | 7.96 | 20.9              | 3.33            | 109.1 |
| 1194     | 3/16/2011 22:16 | 10.58  | 42.50  | 27.21        | 10.10   | 7.95 | 12.5              | 3.33            | 107.8 |
| 1195     | 3/16/2011 22:31 | 10.57  | 42.21  | 27.01        | 10.24   | 7.93 | 16.3              | 3.35            | 109.1 |
| 1196     | 3/16/2011 22:46 | 10.58  | 40.81  | 26.02        | 10.10   | 7.91 | 15.6              | 3.31            | 107.1 |
| 1197     | 3/16/2011 23:01 | 10.59  | 41.24  | 26.32        | 10.30   | 7.92 | 22.4              | 3.26            | 109.4 |
| 1198     | 3/16/2011 23:16 | 10.64  | 38.61  | 24.48        | 9.92    | 7.89 | 17.1              | 3.19            | 104.3 |
| 1199     | 3/16/2011 23:31 | 10.66  | 37.00  | 23.36        | 9.82    | 7.88 | 12.2              | 3.15            | 102.5 |
| 1200     | 3/16/2011 23:46 | 10.78  | 38.16  | 24.17        | 9.88    | 7.87 | 30.2              | 3.02            | 103.9 |
| 1201     | 3/17/2011 0:01  | 10.82  | 37.74  | 23.88        | 9.77    | 7.88 | 25.9              | 2.92            | 102.6 |
| 1202     | 3/17/2011 0:16  | 10.77  | 37.65  | 23.82        | 9.75    | 7.87 | 14.0              | 2.82            | 102.3 |
| 1203     | 3/17/2011 0:31  | 10.75  | 36.97  | 23.34        | 9.67    | 7.83 | 8.5               | 2.73            | 101.2 |
| 1204     | 3/17/2011 0:46  | 10.74  | 37.14  | 23.46        | 9.64    | 7.83 | 7.4               | 2.64            | 100.8 |
| 1205     | 3/17/2011 1:01  | 10.77  | 36.59  | 23.08        | 9.61    | 7.85 | 7.4               | 2.54            | 100.3 |
| 1206     | 3/17/2011 1:16  | 10.77  | 36.01  | 22.68        | 9.60    | 7.85 | 8.5               | 2.46            | 100.1 |
| 1207     | 3/17/2011 1:31  | 10.75  | 35.74  | 22.49        | 9.59    | 7.84 | 6.9               | 2.40            | 99.7  |
| 1208     | 3/17/2011 1:46  | 10.68  | 37.76  | 23.89        | 9.46    | 7.84 | 6.8               | 2.30            | 99.1  |
| 1209     | 3/17/2011 2:01  | 10.68  | 37.45  | 23.67        | 9.48    | 7.84 | 7.1               | 2.24            | 99.1  |
| 1210     | 3/17/2011 2:16  | 10.72  | 37.03  | 23.38        | 9.48    | 7.84 | 6.5               | 2.17            | 99.1  |
| 1211     | 3/17/2011 2:31  | 10.72  | 36.81  | 23.23        | 9.48    | 7.84 | 6.7               | 2.12            | 99.0  |
| 1212     | 3/17/2011 2:46  | 10.71  | 36.90  | 23.29        | 9.44    | 7.83 | 6.5               | 2.06            | 98.5  |
| 1213     | 3/17/2011 3:01  | 10.80  | 36.38  | 22.94        | 9.53    | 7.83 | 5.7               | 2.06            | 99.5  |
| 1214     | 3/17/2011 3:16  | 10.79  | 36.83  | 23.25        | 9.39    | 7.83 | 5.2               | 2.02            | 98.2  |
| 1215     | 3/17/2011 3:31  | 10.75  | 36.36  | 22.92        | 9.53    | 7.83 | 6.7               | 2.04            | 99.4  |
| 1216     | 3/17/2011 3:46  | 10.73  | 36.30  | 22.88        | 9.58    | 7.83 | 5.9               | 2.06            | 99.8  |
| 1217     | 3/17/2011 4:01  | 10.77  | 36.96  | 23.34        | 9.45    | 7.83 | 7.0               | 2.07            | 98.8  |
| 1218     | 3/17/2011 4:16  | 10.84  | 36.99  | 23.36        | 9.46    | 7.83 | 7.2               | 2.16            | 99.1  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%    |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|--------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |        |
| 1219     | 3/17/2011 4:31  | 10.81  | 36.78  | 23.21        | 9.46    | 7.83 | 8.2        | 2.21   | 99.0   |
| 1220     | 3/17/2011 4:46  | 10.82  | 36.51  | 23.03        | 9.50    | 7.83 | 8.3        | 2.28   | 99.3   |
| 1221     | 3/17/2011 5:01  | 10.82  | 36.49  | 23.01        | 9.51    | 7.83 | 9.6        | 2.33   | 99.4   |
| 1222     | 3/17/2011 5:16  | 10.77  | 36.49  | 23.01        | 9.56    | 7.83 | 9.2        | 2.42   | 99.8   |
| 1223     | 3/17/2011 5:31  | 10.79  | 37.59  | 23.77        | 9.56    | 7.85 | 9.3        | 2.49   | 100.3  |
| 1224     | 3/17/2011 5:46  | 10.76  | 37.91  | 24.00        | 9.60    | 7.85 | 10.7       | 2.57   | 100.8  |
| 1225     | 3/17/2011 6:01  | 10.74  | 37.32  | 23.58        | 9.67    | 7.86 | 12.1       | 2.64   | 101.2  |
| 1226     | 3/17/2011 6:16  | 10.66  | 38.08  | 24.11        | 9.71    | 7.86 | 10.9       | 2.70   | 101.9  |
| 1227     | 3/17/2011 6:31  | 10.60  | 38.71  | 24.55        | 9.73    | 7.87 | 14.9       | 2.79   | 102.2  |
| 1228     | 3/17/2011 6:46  | 10.55  | 38.99  | 24.74        | 9.81    | 7.88 | 11.8       | 2.90   | 103.0  |
| 1229     | 3/17/2011 7:01  | 10.60  | 39.95  | 25.41        | 9.85    | 7.89 | 15.0       | 2.95   | 104.1  |
| 1230     | 3/17/2011 7:16  | 10.58  | 40.15  | 25.55        | 9.90    | 7.90 | 18.6       | 3.07   | 104.6  |
| 1231     | 3/17/2011 7:31  | 10.58  | 40.64  | 25.90        | 9.94    | 7.91 | 25.0       | 3.16   | 105.3  |
| 1232     | 3/17/2011 7:46  | 10.52  | 38.99  | 24.74        | 10.06   | 7.92 | 30.0       | 3.25   | 105.6  |
| 1233     | 3/17/2011 8:01  | 10.41  | 40.89  | 26.06        | 10.05   | 7.93 | 32.8       | 3.34   | 106.1  |
| 1234     | 3/17/2011 8:16  | 10.33  | 41.44  | 26.45        | 10.13   | 7.94 | 36.0       | 3.45   | 107.1  |
| 1235     | 3/17/2011 8:31  | 10.27  | 41.77  | 26.68        | 10.26   | 7.96 | 46.6       | 3.51   | 108.4  |
| 1236     | 3/17/2011 8:46  | 10.24  | 42.29  | 27.05        | 10.28   | 7.96 | 45.6       | 3.55   | 108.8  |
| 1237     | 3/17/2011 9:01  | 10.22  | 42.52  | 27.20        | 10.31   | 7.94 | 41.2       | 3.65   | 109.2  |
| 1238     | 3/17/2011 9:16  | 10.20  | 42.58  | 27.24        | 10.30   | 7.97 | 33.7       | 3.67   | 109.1  |
| 1239     | 3/17/2011 9:31  | 10.17  | 42.93  | 27.49        | 10.29   | 7.94 | 25.3       | 3.70   | 109.1  |
| 1240     | 3/17/2011 9:46  | 10.20  | 42.68  | 27.32        | 10.25   | 7.94 | 19.0       | 3.71   | 108.6  |
| 1241     | 3/17/2011 10:01 | 10.18  | 42.58  | 27.24        | 10.33   | 7.97 | 26.5       | 3.69   | 109.3  |
| 1242     | 3/17/2011 10:16 | 10.21  | 42.62  | 27.28        | 10.27   | 7.97 | 26.2       | 3.65   | 108.8  |
| 1243     | 3/17/2011 10:31 | 10.38  | 41.42  | 26.44        | 10.20   | 7.94 | 25.8       | 3.58   | 107.9  |
| 1244     | 3/17/2011 10:46 | 10.50  | 40.94  | 26.10        | 10.15   | 7.93 | 15.6       | 3.49   | 107.5  |
| 1245     | 3/17/2011 11:01 | 10.58  | 40.92  | 26.09        | 10.10   | 7.90 | 15.3       | 3.38   | 107.1  |
| 1246     | 3/17/2011 11:16 | 10.69  | 40.00  | 25.45        | 9.94    | 7.87 | 17.8       | 3.29   | 105.2  |
| 1247     | 3/17/2011 11:31 | 10.67  | 39.63  | 25.19        | 9.97    | 7.87 | 21.1       | 3.16   | 105.2  |
| 1248     | 3/17/2011 11:46 | 10.80  | 39.34  | 25.00        | 9.93    | 7.89 | 14.1       | 3.06   | 105.0  |
| 1249     | 3/17/2011 12:01 | 10.87  | 39.38  | 25.03        | 9.92    | 7.89 | 11.5       | 2.92   | 105.1  |
| 1250     | 3/17/2011 12:16 | 10.98  | 39.15  | 24.87        | 9.94    | 7.89 | 9.9        | 2.83   | 105.5  |
| 1251     | 3/17/2011 12:31 | 11.02  | 38.71  | 24.56        | 9.94    | 7.89 | 10.6       | 2.68   | 105.4  |
| 1252     | 3/17/2011 12:46 | 11.02  | 38.44  | 24.37        | 9.96    | 7.88 | 14.1       | 2.56   | 105.5  |
| 1253     | 3/17/2011 13:01 | 11.04  | 38.02  | 24.08        | 9.94    | 7.88 | 11.8       | 2.44   | 105.1  |
| 1254     | 3/17/2011 13:16 | 11.21  | 38.17  | 24.19        | 10.06   | 7.90 | 11.7       | 2.30   | 106.8  |
| 1255     | 3/17/2011 13:31 | 11.34  | 38.10  | 24.15        | 10.21   | 7.92 | 14.9       | 2.20   | 108.7  |
| Mean     |                 | 10.89  | 41.36  | 26.42        | 9.42    | 7.88 | 6.19       | 2.60   | 100.73 |
| Minimum  |                 | 9.51   | 35.74  | 22.49        | 8.83    | 7.77 | 1.60       | 1.33   | 94.40  |
| Maximum  |                 | 12.19  | 48.13  | 31.16        | 10.58   | 8.12 | 135.90     | 3.71   | 115.80 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

Japan tsunami recorded in Humboldt Bay at Indian Island on 3/11/11 @ 8:16



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 0        | 3/18/2011 13:46 | 10.34  | 39.40  | 25.02        | 9.57    | 7.85 | 21.2              | 3.16            | 100.3 |
| 1        | 3/18/2011 14:01 | 10.46  | 38.61  | 24.47        | 9.56    | 7.84 | 14.7              | 3.04            | 100.0 |
| 2        | 3/18/2011 14:16 | 10.49  | 38.56  | 24.44        | 9.56    | 7.81 | 12.2              | 2.91            | 100.1 |
| 3        | 3/18/2011 14:31 | 10.53  | 38.59  | 24.46        | 9.56    | 7.80 | 12.8              | 2.77            | 100.2 |
| 4        | 3/18/2011 14:46 | 10.45  | 38.92  | 24.69        | 9.56    | 7.81 | 15.1              | 2.67            | 100.2 |
| 5        | 3/18/2011 15:01 | 10.52  | 39.17  | 24.86        | 9.55    | 7.80 | 12.8              | 2.52            | 100.4 |
| 6        | 3/18/2011 15:16 | 10.64  | 38.98  | 24.73        | 9.57    | 7.80 | 14.9              | 2.40            | 100.7 |
| 7        | 3/18/2011 15:31 | 10.61  | 37.27  | 23.54        | 9.59    | 7.78 | 15.4              | 2.26            | 100.1 |
| 8        | 3/18/2011 15:46 | 10.81  | 37.78  | 23.90        | 9.71    | 7.79 | 15.7              | 2.13            | 102.0 |
| 9        | 3/18/2011 16:01 | 10.84  | 37.27  | 23.55        | 9.76    | 7.79 | 15.2              | 1.99            | 102.3 |
| 10       | 3/18/2011 16:16 | 10.69  | 36.86  | 23.26        | 9.73    | 7.79 | 13.4              | 1.87            | 101.6 |
| 11       | 3/18/2011 16:31 | 10.83  | 37.11  | 23.44        | 9.83    | 7.81 | 15.9              | 1.74            | 103.1 |
| 12       | 3/18/2011 16:46 | 10.80  | 36.91  | 23.30        | 9.77    | 7.80 | 15.7              | 1.63            | 102.3 |
| 13       | 3/18/2011 17:01 | 10.74  | 36.64  | 23.11        | 9.75    | 7.79 | 15.4              | 1.52            | 101.8 |
| 14       | 3/18/2011 17:16 | 10.69  | 36.50  | 23.01        | 9.74    | 7.79 | 16.7              | 1.43            | 101.4 |
| 15       | 3/18/2011 17:31 | 10.63  | 36.35  | 22.91        | 9.73    | 7.87 | 13.8              | 1.41            | 101.2 |
| 16       | 3/18/2011 17:46 | 10.61  | 36.28  | 22.86        | 9.71    | 7.80 | 12.5              | 1.35            | 100.9 |
| 17       | 3/18/2011 18:01 | 10.62  | 36.35  | 22.91        | 9.72    | 7.79 | 12.9              | 1.36            | 101.1 |
| 18       | 3/18/2011 18:16 | 10.63  | 36.38  | 22.93        | 9.72    | 7.98 | 10.5              | 1.37            | 101.1 |
| 19       | 3/18/2011 18:31 | 10.63  | 36.47  | 22.99        | 9.71    | 7.79 | 10.2              | 1.46            | 101.0 |
| 20       | 3/18/2011 18:46 | 10.63  | 36.05  | 22.70        | 9.73    | 7.87 | 12.7              | 1.57            | 101.1 |
| 21       | 3/18/2011 19:01 | 10.58  | 35.03  | 21.99        | 9.72    | 7.76 | 13.6              | 1.64            | 100.4 |
| 22       | 3/18/2011 19:16 | 10.57  | 34.90  | 21.90        | 9.72    | 7.76 | 13.9              | 1.74            | 100.3 |
| 23       | 3/18/2011 19:31 | 10.55  | 34.62  | 21.71        | 9.71    | 7.75 | 13.3              | 1.82            | 100.0 |
| 24       | 3/18/2011 19:46 | 10.61  | 35.89  | 22.59        | 9.64    | 7.76 | 12.9              | 1.94            | 100.0 |
| 25       | 3/18/2011 20:01 | 10.53  | 35.30  | 22.18        | 9.63    | 7.75 | 15.4              | 2.04            | 99.5  |
| 26       | 3/18/2011 20:16 | 10.52  | 35.75  | 22.49        | 9.60    | 7.76 | 14.4              | 2.12            | 99.4  |
| 27       | 3/18/2011 20:31 | 10.51  | 37.08  | 23.41        | 9.55    | 7.76 | 15.2              | 2.25            | 99.3  |
| 28       | 3/18/2011 20:46 | 10.50  | 37.37  | 23.61        | 9.53    | 7.76 | 15.7              | 2.35            | 99.2  |
| 29       | 3/18/2011 21:01 | 10.50  | 37.57  | 23.75        | 9.51    | 7.76 | 19.2              | 2.46            | 99.1  |
| 30       | 3/18/2011 21:16 | 10.44  | 37.51  | 23.71        | 9.53    | 7.86 | 18.1              | 2.56            | 99.2  |
| 31       | 3/18/2011 21:31 | 10.40  | 37.63  | 23.79        | 9.54    | 7.76 | 24.8              | 2.66            | 99.3  |
| 32       | 3/18/2011 21:46 | 10.37  | 38.21  | 24.19        | 9.56    | 7.77 | 34.2              | 2.80            | 99.7  |
| 33       | 3/18/2011 22:01 | 10.31  | 38.55  | 24.42        | 9.57    | 7.78 | 30.4              | 2.93            | 99.7  |
| 34       | 3/18/2011 22:16 | 10.28  | 39.25  | 24.91        | 9.58    | 7.79 | 35.8              | 3.02            | 100.1 |
| 35       | 3/18/2011 22:31 | 10.16  | 40.83  | 26.01        | 9.76    | 7.82 | 40.1              | 3.13            | 102.5 |
| 36       | 3/18/2011 22:46 | 10.11  | 41.78  | 26.68        | 9.89    | 7.83 | 43.2              | 3.28            | 104.1 |
| 37       | 3/18/2011 23:01 | 10.06  | 41.99  | 26.83        | 9.92    | 7.83 | 38.7              | 3.38            | 104.5 |
| 38       | 3/18/2011 23:16 | 10.04  | 42.25  | 27.00        | 9.93    | 7.95 | 41.4              | 3.48            | 104.6 |
| 39       | 3/18/2011 23:31 | 10.03  | 42.31  | 27.05        | 9.94    | 7.84 | 46.8              | 3.58            | 104.8 |
| 40       | 3/18/2011 23:46 | 10.00  | 42.35  | 27.07        | 9.97    | 7.84 | 45.8              | 3.65            | 105.1 |
| 41       | 3/19/2011 0:01  | 9.97   | 42.39  | 27.10        | 9.96    | 7.84 | 37.6              | 3.74            | 104.9 |
| 42       | 3/19/2011 0:16  | 9.95   | 42.57  | 27.23        | 10.00   | 7.85 | 36.9              | 3.78            | 105.3 |
| 43       | 3/19/2011 0:31  | 9.95   | 42.60  | 27.25        | 9.98    | 7.85 | 24.4              | 3.80            | 105.1 |
| 44       | 3/19/2011 0:46  | 9.97   | 42.41  | 27.12        | 9.95    | 7.84 | 31.9              | 3.79            | 104.8 |
| 45       | 3/19/2011 1:01  | 9.97   | 42.52  | 27.20        | 10.00   | 7.85 | 38.1              | 3.79            | 105.3 |
| 46       | 3/19/2011 1:16  | 9.91   | 41.35  | 26.36        | 9.83    | 7.82 | 20.6              | 3.71            | 102.8 |
| 47       | 3/19/2011 1:31  | 9.90   | 41.13  | 26.21        | 9.80    | 7.82 | 19.2              | 3.61            | 102.4 |
| 48       | 3/19/2011 1:46  | 9.75   | 39.08  | 24.77        | 9.84    | 7.81 | 16.4              | 3.50            | 101.5 |
| 49       | 3/19/2011 2:01  | 9.74   | 37.68  | 23.79        | 9.81    | 7.79 | 17.8              | 3.39            | 100.6 |
| 50       | 3/19/2011 2:16  | 9.87   | 38.23  | 24.18        | 9.71    | 7.79 | 22.5              | 3.27            | 100.1 |
| 51       | 3/19/2011 2:31  | 9.98   | 39.03  | 24.75        | 9.67    | 7.79 | 24.4              | 3.14            | 100.3 |
| 52       | 3/19/2011 2:46  | 10.00  | 38.39  | 24.30        | 9.63    | 7.78 | 22.7              | 3.01            | 99.7  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 53       | 3/19/2011 3:01  | 9.98   | 38.13  | 24.12        | 9.64    | 7.78 | 18.8              | 2.89            | 99.6  |
| 54       | 3/19/2011 3:16  | 9.95   | 38.01  | 24.03        | 9.62    | 7.77 | 15.9              | 2.76            | 99.2  |
| 55       | 3/19/2011 3:31  | 9.94   | 37.81  | 23.89        | 9.59    | 7.77 | 15.4              | 2.63            | 98.8  |
| 56       | 3/19/2011 3:46  | 9.89   | 37.80  | 23.89        | 9.59    | 7.77 | 17.1              | 2.50            | 98.8  |
| 57       | 3/19/2011 4:01  | 9.84   | 37.78  | 23.87        | 9.60    | 7.77 | 22.8              | 2.37            | 98.7  |
| 58       | 3/19/2011 4:16  | 9.78   | 37.61  | 23.75        | 9.58    | 7.85 | 25.6              | 2.25            | 98.3  |
| 59       | 3/19/2011 4:31  | 9.85   | 36.63  | 23.07        | 9.57    | 7.76 | 22.4              | 2.14            | 97.9  |
| 60       | 3/19/2011 4:46  | 9.71   | 36.63  | 23.07        | 9.60    | 7.77 | 23.6              | 2.00            | 97.9  |
| 61       | 3/19/2011 5:01  | 9.71   | 36.35  | 22.87        | 9.59    | 7.77 | 20.3              | 1.87            | 97.7  |
| 62       | 3/19/2011 5:16  | 9.61   | 36.53  | 22.99        | 9.60    | 7.77 | 19.6              | 1.78            | 97.6  |
| 63       | 3/19/2011 5:31  | 9.62   | 36.48  | 22.95        | 9.58    | 7.76 | 17.9              | 1.69            | 97.4  |
| 64       | 3/19/2011 5:46  | 9.68   | 36.36  | 22.87        | 9.54    | 7.76 | 16.0              | 1.61            | 97.2  |
| 65       | 3/19/2011 6:01  | 9.71   | 36.28  | 22.82        | 9.52    | 7.76 | 14.8              | 1.57            | 96.9  |
| 66       | 3/19/2011 6:16  | 9.70   | 36.20  | 22.76        | 9.50    | 7.84 | 14.0              | 1.55            | 96.7  |
| 67       | 3/19/2011 6:31  | 9.66   | 36.22  | 22.78        | 9.47    | 7.76 | 12.1              | 1.54            | 96.3  |
| 68       | 3/19/2011 6:46  | 9.67   | 36.25  | 22.80        | 9.55    | 7.76 | 12.8              | 1.59            | 97.2  |
| 69       | 3/19/2011 7:01  | 9.74   | 36.34  | 22.87        | 9.54    | 7.76 | 13.7              | 1.64            | 97.2  |
| 70       | 3/19/2011 7:16  | 9.74   | 35.94  | 22.59        | 9.52    | 7.75 | 14.6              | 1.69            | 96.9  |
| 71       | 3/19/2011 7:31  | 9.73   | 34.88  | 21.86        | 9.59    | 7.74 | 15.1              | 1.80            | 97.1  |
| 72       | 3/19/2011 7:46  | 9.74   | 34.56  | 21.64        | 9.60    | 7.73 | 15.1              | 1.87            | 97.1  |
| 73       | 3/19/2011 8:01  | 9.75   | 34.53  | 21.62        | 9.60    | 7.73 | 15.0              | 2.01            | 97.1  |
| 74       | 3/19/2011 8:16  | 9.81   | 35.29  | 22.14        | 9.57    | 7.74 | 19.0              | 2.12            | 97.2  |
| 75       | 3/19/2011 8:31  | 9.80   | 35.21  | 22.09        | 9.60    | 7.74 | 17.1              | 2.23            | 97.5  |
| 76       | 3/19/2011 8:46  | 9.84   | 36.42  | 22.93        | 9.58    | 7.76 | 18.8              | 2.33            | 97.9  |
| 77       | 3/19/2011 9:01  | 9.89   | 37.34  | 23.57        | 9.57    | 7.77 | 22.2              | 2.43            | 98.3  |
| 78       | 3/19/2011 9:16  | 9.79   | 36.80  | 23.18        | 9.61    | 7.76 | 17.8              | 2.53            | 98.3  |
| 79       | 3/19/2011 9:31  | 9.82   | 37.30  | 23.53        | 9.61    | 7.77 | 21.7              | 2.64            | 98.5  |
| 80       | 3/19/2011 9:46  | 9.83   | 37.43  | 23.62        | 9.63    | 7.77 | 19.0              | 2.76            | 98.8  |
| 81       | 3/19/2011 10:01 | 9.84   | 38.01  | 24.03        | 9.64    | 7.78 | 31.4              | 2.86            | 99.2  |
| 82       | 3/19/2011 10:16 | 9.82   | 38.34  | 24.26        | 9.68    | 7.78 | 32.0              | 2.95            | 99.8  |
| 83       | 3/19/2011 10:31 | 9.80   | 38.96  | 24.69        | 9.74    | 7.88 | 34.7              | 3.07            | 100.5 |
| 84       | 3/19/2011 10:46 | 9.78   | 39.86  | 25.31        | 9.81    | 7.81 | 41.2              | 3.19            | 101.7 |
| 85       | 3/19/2011 11:01 | 9.76   | 40.77  | 25.95        | 9.90    | 7.83 | 45.7              | 3.31            | 103.0 |
| 86       | 3/19/2011 11:16 | 9.77   | 41.29  | 26.32        | 9.91    | 7.83 | 42.8              | 3.40            | 103.4 |
| 87       | 3/19/2011 11:31 | 9.80   | 41.85  | 26.71        | 9.91    | 7.84 | 49.1              | 3.50            | 103.7 |
| 88       | 3/19/2011 11:46 | 9.82   | 42.32  | 27.04        | 9.95    | 7.85 | 52.7              | 3.62            | 104.3 |
| 89       | 3/19/2011 12:01 | 9.87   | 42.55  | 27.21        | 9.94    | 7.85 | 46.8              | 3.64            | 104.5 |
| 90       | 3/19/2011 12:16 | 9.90   | 42.82  | 27.40        | 9.93    | 7.95 | 42.5              | 3.72            | 104.5 |
| 91       | 3/19/2011 12:31 | 9.86   | 43.04  | 27.56        | 9.93    | 7.85 | 34.3              | 3.76            | 104.6 |
| 92       | 3/19/2011 12:46 | 9.87   | 43.13  | 27.62        | 9.90    | 7.85 | 26.7              | 3.76            | 104.4 |
| 93       | 3/19/2011 13:01 | 9.88   | 43.11  | 27.61        | 9.93    | 7.85 | 31.4              | 3.77            | 104.6 |
| 94       | 3/19/2011 13:16 | 9.90   | 43.14  | 27.63        | 9.93    | 7.85 | 42.5              | 3.70            | 104.7 |
| 95       | 3/19/2011 13:31 | 10.00  | 41.53  | 26.50        | 9.86    | 7.83 | 33.8              | 3.66            | 103.4 |
| 96       | 3/19/2011 13:46 | 10.17  | 40.07  | 25.48        | 9.82    | 7.81 | 17.5              | 3.56            | 102.8 |
| 97       | 3/19/2011 14:01 | 10.02  | 41.28  | 26.32        | 9.85    | 7.93 | 31.1              | 3.45            | 103.3 |
| 98       | 3/19/2011 14:16 | 10.25  | 38.84  | 24.62        | 9.76    | 7.79 | 17.5              | 3.30            | 101.8 |
| 99       | 3/19/2011 14:31 | 10.11  | 39.39  | 25.00        | 9.79    | 7.90 | 24.7              | 3.19            | 102.0 |
| 100      | 3/19/2011 14:46 | 10.31  | 37.90  | 23.97        | 9.73    | 7.78 | 19.9              | 3.07            | 101.2 |
| 101      | 3/19/2011 15:01 | 10.34  | 37.90  | 23.97        | 9.74    | 7.78 | 16.0              | 2.93            | 101.4 |
| 102      | 3/19/2011 15:16 | 10.36  | 37.92  | 23.99        | 9.73    | 7.78 | 14.6              | 2.81            | 101.3 |
| 103      | 3/19/2011 15:31 | 10.42  | 37.91  | 23.98        | 9.72    | 7.78 | 16.5              | 2.66            | 101.3 |
| 104      | 3/19/2011 15:46 | 10.38  | 37.99  | 24.04        | 9.75    | 7.79 | 20.7              | 2.53            | 101.6 |
| 105      | 3/19/2011 16:01 | 10.40  | 37.98  | 24.03        | 9.72    | 7.79 | 16.7              | 2.43            | 101.3 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 106      | 3/19/2011 16:16 | 10.37  | 36.88  | 23.26        | 9.75    | 7.77 | 17.1       | 2.29   | 101.0 |
| 107      | 3/19/2011 16:31 | 10.48  | 37.57  | 23.75        | 9.77    | 7.79 | 18.9       | 2.17   | 101.9 |
| 108      | 3/19/2011 16:46 | 10.48  | 36.99  | 23.34        | 9.81    | 7.79 | 18.4       | 2.03   | 101.9 |
| 109      | 3/19/2011 17:01 | 10.45  | 36.70  | 23.14        | 9.92    | 7.80 | 17.1       | 1.92   | 102.9 |
| 110      | 3/19/2011 17:16 | 10.47  | 36.54  | 23.03        | 10.00   | 7.81 | 16.5       | 1.81   | 103.7 |
| 111      | 3/19/2011 17:31 | 10.40  | 36.05  | 22.69        | 9.93    | 7.79 | 13.9       | 1.69   | 102.6 |
| 112      | 3/19/2011 17:46 | 10.37  | 35.79  | 22.51        | 9.93    | 7.88 | 13.7       | 1.60   | 102.4 |
| 113      | 3/19/2011 18:01 | 10.36  | 35.62  | 22.39        | 9.90    | 7.79 | 12.3       | 1.50   | 102.0 |
| 114      | 3/19/2011 18:16 | 10.34  | 35.50  | 22.31        | 9.87    | 7.78 | 11.4       | 1.47   | 101.6 |
| 115      | 3/19/2011 18:31 | 10.32  | 35.36  | 22.21        | 9.87    | 7.78 | 9.6        | 1.43   | 101.5 |
| 116      | 3/19/2011 18:46 | 10.34  | 35.55  | 22.34        | 9.83    | 7.78 | 9.8        | 1.44   | 101.2 |
| 117      | 3/19/2011 19:01 | 10.36  | 35.70  | 22.45        | 9.86    | 7.78 | 11.9       | 1.47   | 101.7 |
| 118      | 3/19/2011 19:16 | 10.35  | 35.76  | 22.49        | 9.87    | 7.78 | 11.5       | 1.52   | 101.7 |
| 119      | 3/19/2011 19:31 | 10.33  | 34.68  | 21.74        | 9.90    | 7.76 | 12.8       | 1.63   | 101.5 |
| 120      | 3/19/2011 19:46 | 10.31  | 34.23  | 21.43        | 9.89    | 7.75 | 14.0       | 1.73   | 101.2 |
| 121      | 3/19/2011 20:01 | 10.29  | 34.12  | 21.36        | 9.88    | 7.75 | 13.7       | 1.83   | 101.0 |
| 122      | 3/19/2011 20:16 | 10.26  | 33.76  | 21.11        | 9.89    | 7.75 | 14.7       | 1.98   | 100.8 |
| 123      | 3/19/2011 20:31 | 10.27  | 34.53  | 21.64        | 9.83    | 7.83 | 15.0       | 2.06   | 100.6 |
| 124      | 3/19/2011 20:46 | 10.23  | 34.53  | 21.64        | 9.82    | 7.75 | 15.3       | 2.18   | 100.4 |
| 125      | 3/19/2011 21:01 | 10.23  | 36.47  | 22.98        | 9.73    | 7.76 | 18.7       | 2.29   | 100.3 |
| 126      | 3/19/2011 21:16 | 10.21  | 36.89  | 23.26        | 9.70    | 7.77 | 18.1       | 2.40   | 100.2 |
| 127      | 3/19/2011 21:31 | 10.20  | 36.80  | 23.20        | 9.70    | 7.76 | 17.3       | 2.50   | 100.1 |
| 128      | 3/19/2011 21:46 | 10.19  | 37.07  | 23.39        | 9.70    | 7.77 | 22.6       | 2.63   | 100.2 |
| 129      | 3/19/2011 22:01 | 10.19  | 37.38  | 23.60        | 9.71    | 7.77 | 33.8       | 2.73   | 100.5 |
| 130      | 3/19/2011 22:16 | 10.16  | 37.94  | 23.99        | 9.74    | 7.78 | 35.5       | 2.85   | 101.0 |
| 131      | 3/19/2011 22:31 | 10.14  | 38.42  | 24.32        | 9.76    | 7.88 | 35.0       | 2.97   | 101.3 |
| 132      | 3/19/2011 22:46 | 10.07  | 39.98  | 25.41        | 9.85    | 7.81 | 42.8       | 3.10   | 102.8 |
| 133      | 3/19/2011 23:01 | 10.04  | 41.28  | 26.33        | 9.87    | 7.83 | 47.1       | 3.22   | 103.5 |
| 134      | 3/19/2011 23:16 | 10.03  | 42.08  | 26.88        | 9.85    | 7.93 | 51.6       | 3.35   | 103.7 |
| 135      | 3/19/2011 23:31 | 9.99   | 43.03  | 27.55        | 9.90    | 7.94 | 50.6       | 3.48   | 104.5 |
| 136      | 3/19/2011 23:46 | 9.96   | 43.52  | 27.90        | 9.96    | 7.85 | 51.3       | 3.58   | 105.4 |
| 137      | 3/20/2011 0:01  | 9.94   | 43.73  | 28.05        | 9.99    | 7.86 | 46.1       | 3.70   | 105.8 |
| 138      | 3/20/2011 0:16  | 9.92   | 43.77  | 28.08        | 10.01   | 7.86 | 44.6       | 3.76   | 106.0 |
| 139      | 3/20/2011 0:31  | 9.91   | 43.78  | 28.08        | 10.01   | 7.86 | 39.1       | 3.85   | 105.9 |
| 140      | 3/20/2011 0:46  | 9.90   | 43.70  | 28.03        | 10.01   | 7.96 | 34.9       | 3.91   | 105.8 |
| 141      | 3/20/2011 1:01  | 9.90   | 43.65  | 27.99        | 9.96    | 7.97 | 29.5       | 3.95   | 105.2 |
| 142      | 3/20/2011 1:16  | 9.91   | 43.40  | 27.81        | 9.93    | 7.96 | 28.3       | 3.95   | 104.9 |
| 143      | 3/20/2011 1:31  | 9.90   | 43.48  | 27.87        | 9.95    | 7.96 | 31.9       | 3.94   | 105.1 |
| 144      | 3/20/2011 1:46  | 9.91   | 43.56  | 27.93        | 10.00   | 7.85 | 41.0       | 3.87   | 105.7 |
| 145      | 3/20/2011 2:01  | 9.88   | 43.16  | 27.64        | 9.91    | 7.85 | 31.4       | 3.78   | 104.4 |
| 146      | 3/20/2011 2:16  | 9.87   | 43.34  | 27.77        | 9.88    | 7.96 | 36.3       | 3.68   | 104.2 |
| 147      | 3/20/2011 2:31  | 9.83   | 43.62  | 27.96        | 9.96    | 7.97 | 36.1       | 3.54   | 105.1 |
| 148      | 3/20/2011 2:46  | 9.86   | 42.04  | 26.85        | 9.84    | 7.83 | 24.6       | 3.40   | 103.2 |
| 149      | 3/20/2011 3:01  | 9.88   | 41.02  | 26.14        | 9.78    | 7.93 | 24.2       | 3.28   | 102.1 |
| 150      | 3/20/2011 3:16  | 9.87   | 40.29  | 25.62        | 9.73    | 7.81 | 25.8       | 3.14   | 101.2 |
| 151      | 3/20/2011 3:31  | 9.89   | 39.62  | 25.15        | 9.72    | 7.80 | 22.9       | 2.98   | 100.9 |
| 152      | 3/20/2011 3:46  | 9.88   | 39.40  | 25.00        | 9.70    | 7.80 | 20.6       | 2.84   | 100.6 |
| 153      | 3/20/2011 4:01  | 9.90   | 38.78  | 24.56        | 9.70    | 7.80 | 22.5       | 2.71   | 100.3 |
| 154      | 3/20/2011 4:16  | 9.89   | 38.35  | 24.27        | 9.67    | 7.79 | 19.2       | 2.57   | 99.8  |
| 155      | 3/20/2011 4:31  | 9.88   | 38.00  | 24.02        | 9.66    | 7.79 | 18.8       | 2.43   | 99.5  |
| 156      | 3/20/2011 4:46  | 9.89   | 37.07  | 23.38        | 9.64    | 7.77 | 18.9       | 2.30   | 99.0  |
| 157      | 3/20/2011 5:01  | 9.86   | 37.00  | 23.33        | 9.61    | 7.77 | 18.5       | 2.15   | 98.5  |
| 158      | 3/20/2011 5:16  | 9.88   | 36.44  | 22.94        | 9.61    | 7.77 | 16.7       | 2.00   | 98.3  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 159      | 3/20/2011 5:31  | 9.89   | 36.42  | 22.93        | 9.60    | 7.77 | 16.4              | 1.88            | 98.3  |
| 160      | 3/20/2011 5:46  | 9.89   | 36.22  | 22.79        | 9.60    | 7.76 | 15.7              | 1.76            | 98.1  |
| 161      | 3/20/2011 6:01  | 9.83   | 36.34  | 22.87        | 9.56    | 7.76 | 15.6              | 1.64            | 97.6  |
| 162      | 3/20/2011 6:16  | 9.78   | 36.20  | 22.77        | 9.56    | 7.76 | 14.2              | 1.52            | 97.5  |
| 163      | 3/20/2011 6:31  | 9.80   | 35.68  | 22.41        | 9.57    | 7.76 | 12.9              | 1.42            | 97.4  |
| 164      | 3/20/2011 6:46  | 9.79   | 35.35  | 22.19        | 9.58    | 7.76 | 12.0              | 1.37            | 97.4  |
| 165      | 3/20/2011 7:01  | 9.79   | 35.22  | 22.10        | 9.55    | 7.75 | 10.9              | 1.30            | 97.0  |
| 166      | 3/20/2011 7:16  | 9.78   | 35.11  | 22.02        | 9.53    | 7.83 | 10.1              | 1.27            | 96.7  |
| 167      | 3/20/2011 7:31  | 9.84   | 35.42  | 22.24        | 9.55    | 7.76 | 11.5              | 1.30            | 97.1  |
| 168      | 3/20/2011 7:46  | 9.81   | 35.54  | 22.32        | 9.54    | 7.75 | 11.3              | 1.35            | 97.1  |
| 169      | 3/20/2011 8:01  | 9.80   | 35.47  | 22.27        | 9.59    | 7.76 | 10.2              | 1.42            | 97.5  |
| 170      | 3/20/2011 8:16  | 9.73   | 33.83  | 21.14        | 9.62    | 7.72 | 13.4              | 1.53            | 97.0  |
| 171      | 3/20/2011 8:31  | 9.75   | 33.11  | 20.65        | 9.68    | 7.72 | 14.3              | 1.64            | 97.3  |
| 172      | 3/20/2011 8:46  | 9.77   | 33.30  | 20.77        | 9.68    | 7.73 | 14.5              | 1.76            | 97.4  |
| 173      | 3/20/2011 9:01  | 9.77   | 32.96  | 20.55        | 9.68    | 7.79 | 17.2              | 1.89            | 97.3  |
| 174      | 3/20/2011 9:16  | 9.81   | 34.12  | 21.34        | 9.68    | 7.74 | 17.9              | 2.01            | 97.8  |
| 175      | 3/20/2011 9:31  | 9.86   | 36.31  | 22.85        | 9.65    | 7.77 | 18.4              | 2.13            | 98.6  |
| 176      | 3/20/2011 9:46  | 9.85   | 36.49  | 22.97        | 9.68    | 7.78 | 21.6              | 2.25            | 99.0  |
| 177      | 3/20/2011 10:01 | 9.80   | 35.81  | 22.50        | 9.70    | 7.77 | 16.4              | 2.36            | 98.8  |
| 178      | 3/20/2011 10:16 | 9.82   | 36.54  | 23.01        | 9.68    | 7.77 | 16.7              | 2.46            | 99.0  |
| 179      | 3/20/2011 10:31 | 9.84   | 36.76  | 23.16        | 9.68    | 7.78 | 18.6              | 2.58            | 99.1  |
| 180      | 3/20/2011 10:46 | 9.84   | 37.36  | 23.58        | 9.67    | 7.78 | 28.1              | 2.69            | 99.3  |
| 181      | 3/20/2011 11:01 | 9.84   | 37.75  | 23.85        | 9.68    | 7.86 | 24.5              | 2.81            | 99.5  |
| 182      | 3/20/2011 11:16 | 9.86   | 38.17  | 24.14        | 9.68    | 7.87 | 23.7              | 2.92            | 99.8  |
| 183      | 3/20/2011 11:31 | 9.85   | 39.51  | 25.08        | 9.72    | 7.81 | 33.8              | 3.03            | 100.7 |
| 184      | 3/20/2011 11:46 | 9.84   | 40.54  | 25.79        | 9.74    | 7.82 | 37.0              | 3.15            | 101.4 |
| 185      | 3/20/2011 12:01 | 9.84   | 40.94  | 26.08        | 9.74    | 7.83 | 35.1              | 3.26            | 101.5 |
| 186      | 3/20/2011 12:16 | 9.85   | 41.55  | 26.50        | 9.72    | 7.83 | 36.6              | 3.37            | 101.6 |
| 187      | 3/20/2011 12:31 | 9.85   | 42.30  | 27.03        | 9.69    | 7.84 | 39.8              | 3.47            | 101.7 |
| 188      | 3/20/2011 12:46 | 9.90   | 43.79  | 28.09        | 9.66    | 7.85 | 35.9              | 3.54            | 102.2 |
| 189      | 3/20/2011 13:01 | 9.91   | 44.35  | 28.49        | 9.64    | 7.85 | 30.0              | 3.62            | 102.2 |
| 190      | 3/20/2011 13:16 | 9.93   | 44.61  | 28.67        | 9.62    | 7.95 | 23.7              | 3.66            | 102.2 |
| 191      | 3/20/2011 13:31 | 9.94   | 44.68  | 28.72        | 9.59    | 7.85 | 17.3              | 3.70            | 102.0 |
| 192      | 3/20/2011 13:46 | 9.94   | 44.54  | 28.62        | 9.59    | 7.95 | 21.5              | 3.71            | 101.9 |
| 193      | 3/20/2011 14:01 | 9.94   | 44.44  | 28.55        | 9.58    | 7.84 | 16.1              | 3.68            | 101.8 |
| 194      | 3/20/2011 14:16 | 9.94   | 44.01  | 28.25        | 9.61    | 7.84 | 19.8              | 3.63            | 101.9 |
| 195      | 3/20/2011 14:31 | 9.99   | 40.76  | 25.95        | 9.69    | 7.92 | 19.8              | 3.55            | 101.3 |
| 196      | 3/20/2011 14:46 | 10.00  | 40.73  | 25.93        | 9.67    | 7.81 | 15.2              | 3.45            | 101.1 |
| 197      | 3/20/2011 15:01 | 10.00  | 39.24  | 24.89        | 9.68    | 7.80 | 12.9              | 3.35            | 100.6 |
| 198      | 3/20/2011 15:16 | 10.01  | 39.08  | 24.78        | 9.72    | 7.81 | 12.5              | 3.23            | 100.9 |
| 199      | 3/20/2011 15:31 | 10.02  | 38.74  | 24.54        | 9.71    | 7.80 | 14.3              | 3.11            | 100.7 |
| 200      | 3/20/2011 15:46 | 10.04  | 38.42  | 24.32        | 9.71    | 7.89 | 15.3              | 2.99            | 100.6 |
| 201      | 3/20/2011 16:01 | 10.08  | 38.17  | 24.15        | 9.71    | 7.79 | 18.8              | 2.87            | 100.5 |
| 202      | 3/20/2011 16:16 | 10.12  | 38.22  | 24.19        | 9.69    | 7.89 | 20.4              | 2.75            | 100.4 |
| 203      | 3/20/2011 16:31 | 10.14  | 37.67  | 23.80        | 9.70    | 7.79 | 15.5              | 2.63            | 100.4 |
| 204      | 3/20/2011 16:46 | 10.19  | 37.09  | 23.41        | 9.72    | 7.78 | 14.0              | 2.50            | 100.5 |
| 205      | 3/20/2011 17:01 | 10.22  | 37.26  | 23.52        | 9.71    | 7.78 | 13.7              | 2.38            | 100.5 |
| 206      | 3/20/2011 17:16 | 10.26  | 36.99  | 23.34        | 9.70    | 7.78 | 12.6              | 2.26            | 100.4 |
| 207      | 3/20/2011 17:31 | 10.26  | 36.42  | 22.94        | 9.77    | 7.78 | 12.8              | 2.15            | 100.8 |
| 208      | 3/20/2011 17:46 | 10.27  | 36.10  | 22.72        | 9.84    | 7.86 | 12.2              | 2.03            | 101.4 |
| 209      | 3/20/2011 18:01 | 10.34  | 36.03  | 22.68        | 9.84    | 7.79 | 12.3              | 1.92            | 101.5 |
| 210      | 3/20/2011 18:16 | 10.35  | 35.48  | 22.30        | 9.90    | 7.87 | 12.3              | 1.84            | 101.9 |
| 211      | 3/20/2011 18:31 | 10.35  | 35.45  | 22.28        | 9.88    | 7.87 | 11.5              | 1.73            | 101.7 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 212      | 3/20/2011 18:46 | 10.31  | 35.29  | 22.16        | 9.83    | 7.79 | 11.6              | 1.66            | 101.0 |
| 213      | 3/20/2011 19:01 | 10.30  | 35.23  | 22.12        | 9.80    | 7.79 | 10.9              | 1.63            | 100.6 |
| 214      | 3/20/2011 19:16 | 10.29  | 35.13  | 22.05        | 9.75    | 7.78 | 9.6               | 1.61            | 100.1 |
| 215      | 3/20/2011 19:31 | 10.30  | 35.29  | 22.17        | 9.80    | 7.87 | 10.7              | 1.61            | 100.7 |
| 216      | 3/20/2011 19:46 | 10.27  | 35.35  | 22.20        | 9.75    | 7.78 | 10.6              | 1.64            | 100.2 |
| 217      | 3/20/2011 20:01 | 10.26  | 35.32  | 22.18        | 9.76    | 7.78 | 12.2              | 1.72            | 100.2 |
| 218      | 3/20/2011 20:16 | 10.17  | 33.15  | 20.69        | 9.81    | 7.75 | 12.6              | 1.81            | 99.6  |
| 219      | 3/20/2011 20:31 | 10.18  | 33.56  | 20.97        | 9.78    | 7.75 | 11.9              | 1.90            | 99.5  |
| 220      | 3/20/2011 20:46 | 10.16  | 34.18  | 21.39        | 9.75    | 7.82 | 12.7              | 2.02            | 99.4  |
| 221      | 3/20/2011 21:01 | 10.16  | 35.24  | 22.12        | 9.70    | 7.83 | 18.1              | 2.16            | 99.3  |
| 222      | 3/20/2011 21:16 | 10.12  | 35.38  | 22.22        | 9.70    | 7.76 | 14.1              | 2.27            | 99.3  |
| 223      | 3/20/2011 21:31 | 10.08  | 36.18  | 22.77        | 9.68    | 7.84 | 17.3              | 2.37            | 99.3  |
| 224      | 3/20/2011 21:46 | 10.06  | 36.59  | 23.05        | 9.66    | 7.78 | 16.7              | 2.49            | 99.2  |
| 225      | 3/20/2011 22:01 | 10.05  | 36.92  | 23.28        | 9.66    | 7.85 | 15.4              | 2.60            | 99.4  |
| 226      | 3/20/2011 22:16 | 10.05  | 37.38  | 23.60        | 9.66    | 7.79 | 22.3              | 2.71            | 99.6  |
| 227      | 3/20/2011 22:31 | 10.04  | 37.92  | 23.97        | 9.66    | 7.79 | 24.5              | 2.82            | 99.9  |
| 228      | 3/20/2011 22:46 | 10.02  | 38.26  | 24.21        | 9.67    | 7.80 | 20.5              | 2.95            | 100.0 |
| 229      | 3/20/2011 23:01 | 10.00  | 38.65  | 24.48        | 9.66    | 7.80 | 20.1              | 3.06            | 100.1 |
| 230      | 3/20/2011 23:16 | 9.99   | 40.06  | 25.47        | 9.65    | 7.90 | 23.4              | 3.19            | 100.6 |
| 231      | 3/20/2011 23:31 | 9.98   | 41.48  | 26.46        | 9.64    | 7.83 | 27.6              | 3.32            | 101.1 |
| 232      | 3/20/2011 23:46 | 9.97   | 42.02  | 26.84        | 9.64    | 7.92 | 22.9              | 3.45            | 101.3 |
| 233      | 3/21/2011 0:01  | 9.98   | 42.42  | 27.13        | 9.64    | 7.92 | 23.9              | 3.57            | 101.5 |
| 234      | 3/21/2011 0:16  | 9.96   | 42.86  | 27.43        | 9.72    | 7.86 | 27.1              | 3.68            | 102.5 |
| 235      | 3/21/2011 0:31  | 9.94   | 42.94  | 27.49        | 9.76    | 7.86 | 25.3              | 3.79            | 102.9 |
| 236      | 3/21/2011 0:46  | 9.93   | 42.97  | 27.51        | 9.82    | 7.87 | 21.0              | 3.89            | 103.5 |
| 237      | 3/21/2011 1:01  | 9.91   | 42.93  | 27.48        | 9.82    | 7.88 | 18.4              | 3.96            | 103.5 |
| 238      | 3/21/2011 1:16  | 9.90   | 42.84  | 27.42        | 9.81    | 7.87 | 17.9              | 4.03            | 103.4 |
| 239      | 3/21/2011 1:31  | 9.90   | 42.85  | 27.42        | 9.79    | 7.87 | 15.4              | 4.08            | 103.1 |
| 240      | 3/21/2011 1:46  | 9.90   | 42.80  | 27.39        | 9.76    | 7.87 | 13.2              | 4.08            | 102.8 |
| 241      | 3/21/2011 2:01  | 9.93   | 42.58  | 27.24        | 9.71    | 7.86 | 16.1              | 4.08            | 102.3 |
| 242      | 3/21/2011 2:16  | 9.91   | 42.75  | 27.36        | 9.83    | 7.87 | 21.4              | 4.04            | 103.5 |
| 243      | 3/21/2011 2:31  | 9.91   | 42.61  | 27.25        | 9.72    | 7.85 | 16.6              | 3.97            | 102.3 |
| 244      | 3/21/2011 2:46  | 9.92   | 42.60  | 27.25        | 9.67    | 7.85 | 13.9              | 3.86            | 101.8 |
| 245      | 3/21/2011 3:01  | 9.91   | 42.53  | 27.20        | 9.70    | 7.95 | 18.4              | 3.73            | 102.0 |
| 246      | 3/21/2011 3:16  | 9.90   | 41.95  | 26.79        | 9.66    | 7.84 | 13.0              | 3.61            | 101.4 |
| 247      | 3/21/2011 3:31  | 9.89   | 41.08  | 26.17        | 9.63    | 7.92 | 14.1              | 3.47            | 100.6 |
| 248      | 3/21/2011 3:46  | 9.86   | 39.93  | 25.37        | 9.63    | 7.81 | 17.7              | 3.34            | 100.0 |
| 249      | 3/21/2011 4:01  | 9.85   | 39.89  | 25.34        | 9.61    | 7.81 | 16.0              | 3.20            | 99.8  |
| 250      | 3/21/2011 4:16  | 9.85   | 38.73  | 24.53        | 9.62    | 7.80 | 15.2              | 3.05            | 99.4  |
| 251      | 3/21/2011 4:31  | 9.86   | 38.15  | 24.13        | 9.61    | 7.87 | 18.4              | 2.92            | 99.0  |
| 252      | 3/21/2011 4:46  | 9.84   | 37.11  | 23.40        | 9.63    | 7.78 | 24.3              | 2.77            | 98.7  |
| 253      | 3/21/2011 5:01  | 9.86   | 36.97  | 23.31        | 9.62    | 7.78 | 23.5              | 2.63            | 98.6  |
| 254      | 3/21/2011 5:16  | 9.88   | 36.75  | 23.15        | 9.63    | 7.77 | 28.1              | 2.48            | 98.6  |
| 255      | 3/21/2011 5:31  | 9.89   | 36.66  | 23.09        | 9.58    | 7.77 | 25.5              | 2.33            | 98.2  |
| 256      | 3/21/2011 5:46  | 9.89   | 36.35  | 22.88        | 9.59    | 7.84 | 25.2              | 2.18            | 98.1  |
| 257      | 3/21/2011 6:01  | 9.86   | 36.08  | 22.69        | 9.58    | 7.83 | 23.6              | 2.02            | 97.8  |
| 258      | 3/21/2011 6:16  | 9.90   | 35.58  | 22.35        | 9.59    | 7.76 | 23.9              | 1.89            | 97.8  |
| 259      | 3/21/2011 6:31  | 9.81   | 35.62  | 22.37        | 9.58    | 7.76 | 21.8              | 1.77            | 97.5  |
| 260      | 3/21/2011 6:46  | 9.83   | 35.42  | 22.23        | 9.58    | 7.82 | 20.2              | 1.62            | 97.5  |
| 261      | 3/21/2011 7:01  | 9.81   | 35.33  | 22.17        | 9.57    | 7.82 | 21.7              | 1.51            | 97.3  |
| 262      | 3/21/2011 7:16  | 9.82   | 35.07  | 21.99        | 9.58    | 7.75 | 20.6              | 1.38            | 97.3  |
| 263      | 3/21/2011 7:31  | 9.84   | 34.82  | 21.82        | 9.58    | 7.75 | 18.6              | 1.30            | 97.2  |
| 264      | 3/21/2011 7:46  | 9.84   | 34.62  | 21.68        | 9.56    | 7.75 | 18.8              | 1.26            | 97.0  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 265      | 3/21/2011 8:01  | 9.82   | 34.54  | 21.63        | 9.53    | 7.75 | 15.7              | 1.23            | 96.5  |
| 266      | 3/21/2011 8:16  | 9.82   | 34.62  | 21.69        | 9.55    | 7.75 | 14.6              | 1.23            | 96.7  |
| 267      | 3/21/2011 8:31  | 9.85   | 34.85  | 21.84        | 9.56    | 7.75 | 12.9              | 1.32            | 97.0  |
| 268      | 3/21/2011 8:46  | 9.86   | 34.85  | 21.84        | 9.58    | 7.75 | 13.6              | 1.40            | 97.3  |
| 269      | 3/21/2011 9:01  | 9.80   | 33.07  | 20.62        | 9.63    | 7.72 | 17.3              | 1.50            | 96.9  |
| 270      | 3/21/2011 9:16  | 9.81   | 33.43  | 20.87        | 9.61    | 7.79 | 15.9              | 1.61            | 96.9  |
| 271      | 3/21/2011 9:31  | 9.81   | 33.18  | 20.69        | 9.61    | 7.78 | 16.5              | 1.70            | 96.7  |
| 272      | 3/21/2011 9:46  | 9.82   | 33.23  | 20.73        | 9.61    | 7.78 | 17.3              | 1.81            | 96.8  |
| 273      | 3/21/2011 10:01 | 9.84   | 33.97  | 21.24        | 9.58    | 7.79 | 21.4              | 1.96            | 96.9  |
| 274      | 3/21/2011 10:16 | 9.83   | 34.40  | 21.54        | 9.60    | 7.74 | 19.0              | 2.08            | 97.2  |
| 275      | 3/21/2011 10:31 | 9.83   | 34.89  | 21.87        | 9.61    | 7.76 | 18.0              | 2.20            | 97.5  |
| 276      | 3/21/2011 10:46 | 9.85   | 35.92  | 22.58        | 9.59    | 7.77 | 18.9              | 2.28            | 97.8  |
| 277      | 3/21/2011 11:01 | 9.87   | 36.41  | 22.92        | 9.58    | 7.78 | 19.7              | 2.40            | 97.9  |
| 278      | 3/21/2011 11:16 | 9.90   | 36.28  | 22.83        | 9.60    | 7.78 | 17.5              | 2.51            | 98.2  |
| 279      | 3/21/2011 11:31 | 9.91   | 37.24  | 23.50        | 9.57    | 7.78 | 21.7              | 2.63            | 98.3  |
| 280      | 3/21/2011 11:46 | 9.91   | 37.42  | 23.62        | 9.56    | 7.85 | 22.9              | 2.74            | 98.3  |
| 281      | 3/21/2011 12:01 | 9.91   | 37.42  | 23.62        | 9.58    | 7.85 | 36.6              | 2.85            | 98.5  |
| 282      | 3/21/2011 12:16 | 9.96   | 37.86  | 23.93        | 9.59    | 7.86 | 28.1              | 2.94            | 98.9  |
| 283      | 3/21/2011 12:31 | 9.96   | 38.90  | 24.65        | 9.66    | 7.88 | 29.7              | 3.08            | 100.1 |
| 284      | 3/21/2011 12:46 | 9.94   | 39.63  | 25.16        | 9.71    | 7.89 | 28.8              | 3.15            | 100.9 |
| 285      | 3/21/2011 13:01 | 9.94   | 40.20  | 25.56        | 9.70    | 7.82 | 29.2              | 3.27            | 101.0 |
| 286      | 3/21/2011 13:16 | 9.95   | 40.97  | 26.10        | 9.69    | 7.83 | 30.3              | 3.37            | 101.3 |
| 287      | 3/21/2011 13:31 | 9.93   | 42.61  | 27.25        | 9.65    | 7.92 | 40.3              | 3.47            | 101.5 |
| 288      | 3/21/2011 13:46 | 10.06  | 42.58  | 27.24        | 9.64    | 7.84 | 17.0              | 3.53            | 101.8 |
| 289      | 3/21/2011 14:01 | 9.98   | 43.93  | 28.19        | 9.56    | 7.84 | 17.8              | 3.62            | 101.4 |
| 290      | 3/21/2011 14:16 | 10.00  | 44.66  | 28.71        | 9.53    | 7.94 | 15.1              | 3.60            | 101.4 |
| 291      | 3/21/2011 14:31 | 10.00  | 44.77  | 28.79        | 9.53    | 7.85 | 14.9              | 3.68            | 101.5 |
| 292      | 3/21/2011 14:46 | 9.96   | 44.67  | 28.71        | 9.51    | 7.85 | 15.4              | 3.64            | 101.1 |
| 293      | 3/21/2011 15:01 | 10.03  | 43.62  | 27.98        | 9.57    | 7.94 | 13.5              | 3.60            | 101.5 |
| 294      | 3/21/2011 15:16 | 10.29  | 40.99  | 26.13        | 9.68    | 7.93 | 22.9              | 3.52            | 102.0 |
| 295      | 3/21/2011 15:31 | 10.33  | 39.73  | 25.25        | 9.68    | 7.91 | 10.7              | 3.43            | 101.5 |
| 296      | 3/21/2011 15:46 | 10.47  | 39.81  | 25.31        | 9.66    | 7.81 | 16.4              | 3.33            | 101.7 |
| 297      | 3/21/2011 16:01 | 10.48  | 39.44  | 25.05        | 9.68    | 7.80 | 11.0              | 3.24            | 101.7 |
| 298      | 3/21/2011 16:16 | 10.51  | 39.18  | 24.87        | 9.69    | 7.80 | 13.3              | 3.13            | 101.8 |
| 299      | 3/21/2011 16:31 | 10.59  | 38.47  | 24.38        | 9.71    | 7.89 | 13.0              | 3.00            | 101.8 |
| 300      | 3/21/2011 16:46 | 10.61  | 38.26  | 24.23        | 9.72    | 7.89 | 10.9              | 2.89            | 101.8 |
| 301      | 3/21/2011 17:01 | 10.62  | 37.60  | 23.77        | 9.72    | 7.88 | 11.4              | 2.79            | 101.6 |
| 302      | 3/21/2011 17:16 | 10.65  | 37.12  | 23.44        | 9.73    | 7.79 | 10.1              | 2.68            | 101.6 |
| 303      | 3/21/2011 17:31 | 10.67  | 36.25  | 22.84        | 9.73    | 7.78 | 11.2              | 2.58            | 101.3 |
| 304      | 3/21/2011 17:46 | 10.67  | 36.04  | 22.70        | 9.74    | 7.78 | 12.1              | 2.46            | 101.2 |
| 305      | 3/21/2011 18:01 | 10.70  | 35.89  | 22.59        | 9.84    | 7.79 | 9.0               | 2.35            | 102.3 |
| 306      | 3/21/2011 18:16 | 10.76  | 35.74  | 22.49        | 9.93    | 7.89 | 9.3               | 2.27            | 103.3 |
| 307      | 3/21/2011 18:31 | 10.78  | 35.21  | 22.13        | 9.91    | 7.80 | 9.8               | 2.16            | 102.9 |
| 308      | 3/21/2011 18:46 | 10.82  | 34.98  | 21.97        | 9.91    | 7.80 | 9.9               | 2.07            | 102.9 |
| 309      | 3/21/2011 19:01 | 10.90  | 34.54  | 21.67        | 9.96    | 7.79 | 10.1              | 1.97            | 103.4 |
| 310      | 3/21/2011 19:16 | 10.89  | 34.61  | 21.72        | 9.97    | 7.80 | 9.9               | 1.92            | 103.5 |
| 311      | 3/21/2011 19:31 | 10.87  | 34.44  | 21.60        | 9.94    | 7.80 | 9.5               | 1.88            | 103.0 |
| 312      | 3/21/2011 19:46 | 10.88  | 34.35  | 21.53        | 9.89    | 7.79 | 9.0               | 1.86            | 102.5 |
| 313      | 3/21/2011 20:01 | 10.88  | 34.37  | 21.55        | 9.86    | 7.79 | 9.6               | 1.83            | 102.2 |
| 314      | 3/21/2011 20:16 | 10.88  | 34.44  | 21.60        | 9.91    | 7.79 | 9.2               | 1.83            | 102.7 |
| 315      | 3/21/2011 20:31 | 10.87  | 34.49  | 21.64        | 9.91    | 7.79 | 9.2               | 1.86            | 102.8 |
| 316      | 3/21/2011 20:46 | 10.82  | 33.99  | 21.29        | 9.92    | 7.78 | 9.6               | 1.96            | 102.6 |
| 317      | 3/21/2011 21:01 | 10.84  | 33.63  | 21.04        | 9.91    | 7.77 | 10.6              | 2.02            | 102.3 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 318      | 3/21/2011 21:16 | 10.78  | 33.06  | 20.65        | 9.89    | 7.76 | 12.8              | 2.13            | 101.7 |
| 319      | 3/21/2011 21:31 | 10.76  | 33.84  | 21.18        | 9.84    | 7.83 | 13.1              | 2.24            | 101.5 |
| 320      | 3/21/2011 21:46 | 10.67  | 33.27  | 20.79        | 9.85    | 7.76 | 14.8              | 2.35            | 101.2 |
| 321      | 3/21/2011 22:01 | 10.58  | 33.84  | 21.17        | 9.81    | 7.76 | 15.7              | 2.43            | 100.8 |
| 322      | 3/21/2011 22:16 | 10.46  | 36.67  | 23.13        | 9.70    | 7.79 | 22.0              | 2.56            | 100.6 |
| 323      | 3/21/2011 22:31 | 10.47  | 37.18  | 23.48        | 9.69    | 7.79 | 15.7              | 2.66            | 100.8 |
| 324      | 3/21/2011 22:46 | 10.46  | 38.12  | 24.13        | 9.68    | 7.87 | 20.4              | 2.76            | 101.1 |
| 325      | 3/21/2011 23:01 | 10.41  | 38.22  | 24.20        | 9.69    | 7.81 | 21.2              | 2.86            | 101.2 |
| 326      | 3/21/2011 23:16 | 10.41  | 38.62  | 24.48        | 9.69    | 7.81 | 20.7              | 2.96            | 101.3 |
| 327      | 3/21/2011 23:31 | 10.41  | 39.32  | 24.97        | 9.66    | 7.81 | 22.5              | 3.09            | 101.3 |
| 328      | 3/21/2011 23:46 | 10.39  | 39.54  | 25.12        | 9.67    | 7.82 | 24.9              | 3.20            | 101.4 |
| 329      | 3/22/2011 0:01  | 10.36  | 40.57  | 25.84        | 9.66    | 7.83 | 26.2              | 3.33            | 101.8 |
| 330      | 3/22/2011 0:16  | 10.31  | 42.01  | 26.85        | 9.67    | 7.84 | 26.5              | 3.45            | 102.4 |
| 331      | 3/22/2011 0:31  | 10.30  | 42.61  | 27.27        | 9.68    | 7.84 | 25.3              | 3.55            | 102.7 |
| 332      | 3/22/2011 0:46  | 10.29  | 43.34  | 27.79        | 9.66    | 7.93 | 24.7              | 3.68            | 102.8 |
| 333      | 3/22/2011 1:01  | 10.23  | 44.12  | 28.34        | 9.62    | 7.93 | 23.8              | 3.77            | 102.6 |
| 334      | 3/22/2011 1:16  | 10.18  | 44.89  | 28.89        | 9.60    | 7.85 | 19.5              | 3.88            | 102.7 |
| 335      | 3/22/2011 1:31  | 10.15  | 45.69  | 29.45        | 9.58    | 7.86 | 15.7              | 3.95            | 102.8 |
| 336      | 3/22/2011 1:46  | 10.13  | 46.03  | 29.69        | 9.57    | 7.86 | 13.4              | 4.03            | 102.8 |
| 337      | 3/22/2011 2:01  | 10.13  | 46.19  | 29.81        | 9.55    | 7.86 | 11.5              | 4.08            | 102.6 |
| 338      | 3/22/2011 2:16  | 10.12  | 46.40  | 29.96        | 9.51    | 7.86 | 8.8               | 4.11            | 102.3 |
| 339      | 3/22/2011 2:31  | 10.13  | 46.10  | 29.74        | 9.52    | 7.85 | 10.6              | 4.13            | 102.3 |
| 340      | 3/22/2011 2:46  | 10.12  | 46.44  | 29.99        | 9.51    | 7.96 | 11.8              | 4.10            | 102.3 |
| 341      | 3/22/2011 3:01  | 10.10  | 43.83  | 28.13        | 9.59    | 7.84 | 14.6              | 4.05            | 102.0 |
| 342      | 3/22/2011 3:16  | 10.13  | 45.87  | 29.58        | 9.55    | 7.85 | 13.7              | 3.94            | 102.5 |
| 343      | 3/22/2011 3:31  | 10.12  | 44.91  | 28.90        | 9.57    | 7.85 | 13.6              | 3.84            | 102.3 |
| 344      | 3/22/2011 3:46  | 10.11  | 42.61  | 27.26        | 9.63    | 7.83 | 14.7              | 3.72            | 101.9 |
| 345      | 3/22/2011 4:01  | 10.10  | 40.03  | 25.45        | 9.65    | 7.82 | 15.7              | 3.60            | 100.9 |
| 346      | 3/22/2011 4:16  | 10.11  | 38.94  | 24.68        | 9.67    | 7.81 | 14.3              | 3.48            | 100.6 |
| 347      | 3/22/2011 4:31  | 10.15  | 40.16  | 25.54        | 9.62    | 7.91 | 16.3              | 3.33            | 100.7 |
| 348      | 3/22/2011 4:46  | 10.17  | 39.56  | 25.12        | 9.63    | 7.81 | 19.4              | 3.20            | 100.6 |
| 349      | 3/22/2011 5:01  | 10.20  | 39.93  | 25.38        | 9.64    | 7.82 | 17.8              | 3.06            | 100.9 |
| 350      | 3/22/2011 5:16  | 10.22  | 39.40  | 25.01        | 9.64    | 7.81 | 22.0              | 2.89            | 100.7 |
| 351      | 3/22/2011 5:31  | 10.26  | 38.53  | 24.41        | 9.60    | 7.80 | 17.5              | 2.76            | 100.0 |
| 352      | 3/22/2011 5:46  | 10.25  | 37.73  | 23.85        | 9.61    | 7.88 | 20.5              | 2.61            | 99.7  |
| 353      | 3/22/2011 6:01  | 10.17  | 37.31  | 23.56        | 9.61    | 7.87 | 17.8              | 2.47            | 99.3  |
| 354      | 3/22/2011 6:16  | 10.10  | 37.12  | 23.42        | 9.59    | 7.87 | 14.5              | 2.30            | 98.9  |
| 355      | 3/22/2011 6:31  | 10.02  | 37.04  | 23.36        | 9.56    | 7.78 | 13.9              | 2.13            | 98.4  |
| 356      | 3/22/2011 6:46  | 10.01  | 36.66  | 23.10        | 9.56    | 7.78 | 15.3              | 1.99            | 98.2  |
| 357      | 3/22/2011 7:01  | 10.06  | 36.25  | 22.82        | 9.57    | 7.78 | 17.2              | 1.84            | 98.2  |
| 358      | 3/22/2011 7:16  | 10.12  | 35.76  | 22.48        | 9.56    | 7.77 | 16.5              | 1.67            | 98.0  |
| 359      | 3/22/2011 7:31  | 10.10  | 35.81  | 22.51        | 9.54    | 7.83 | 18.3              | 1.56            | 97.9  |
| 360      | 3/22/2011 7:46  | 10.14  | 35.50  | 22.30        | 9.54    | 7.83 | 17.6              | 1.40            | 97.8  |
| 361      | 3/22/2011 8:01  | 10.14  | 35.12  | 22.04        | 9.53    | 7.76 | 16.2              | 1.31            | 97.5  |
| 362      | 3/22/2011 8:16  | 10.14  | 35.02  | 21.97        | 9.52    | 7.82 | 14.4              | 1.20            | 97.4  |
| 363      | 3/22/2011 8:31  | 10.15  | 34.81  | 21.83        | 9.49    | 7.75 | 21.2              | 1.16            | 97.0  |
| 364      | 3/22/2011 8:46  | 10.11  | 34.94  | 21.91        | 9.48    | 7.75 | 17.3              | 1.13            | 96.9  |
| 365      | 3/22/2011 9:01  | 10.16  | 35.30  | 22.16        | 9.48    | 7.76 | 14.0              | 1.16            | 97.2  |
| 366      | 3/22/2011 9:16  | 10.11  | 35.26  | 22.13        | 9.50    | 7.76 | 16.1              | 1.21            | 97.2  |
| 367      | 3/22/2011 9:31  | 10.14  | 35.51  | 22.31        | 9.53    | 7.82 | 12.9              | 1.33            | 97.7  |
| 368      | 3/22/2011 9:46  | 10.09  | 34.39  | 21.53        | 9.59    | 7.81 | 13.9              | 1.42            | 97.7  |
| 369      | 3/22/2011 10:01 | 10.09  | 34.21  | 21.41        | 9.58    | 7.75 | 14.5              | 1.52            | 97.5  |
| 370      | 3/22/2011 10:16 | 10.09  | 34.39  | 21.53        | 9.56    | 7.75 | 15.4              | 1.61            | 97.4  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 371      | 3/22/2011 10:31 | 10.10  | 34.41  | 21.55        | 9.56    | 7.75 | 14.5       | 1.71   | 97.4  |
| 372      | 3/22/2011 10:46 | 10.11  | 34.56  | 21.65        | 9.55    | 7.75 | 14.0       | 1.82   | 97.4  |
| 373      | 3/22/2011 11:01 | 10.13  | 34.65  | 21.72        | 9.56    | 7.75 | 13.9       | 1.93   | 97.6  |
| 374      | 3/22/2011 11:16 | 10.13  | 34.77  | 21.80        | 9.57    | 7.76 | 13.1       | 2.03   | 97.7  |
| 375      | 3/22/2011 11:31 | 10.13  | 35.36  | 22.20        | 9.61    | 7.78 | 13.1       | 2.15   | 98.4  |
| 376      | 3/22/2011 11:46 | 10.13  | 35.13  | 22.05        | 9.64    | 7.77 | 14.5       | 2.25   | 98.6  |
| 377      | 3/22/2011 12:01 | 10.16  | 36.34  | 22.88        | 9.60    | 7.79 | 15.0       | 2.35   | 98.8  |
| 378      | 3/22/2011 12:16 | 10.19  | 36.37  | 22.90        | 9.62    | 7.79 | 17.0       | 2.46   | 99.1  |
| 379      | 3/22/2011 12:31 | 10.34  | 36.47  | 22.98        | 9.65    | 7.78 | 17.2       | 2.56   | 99.7  |
| 380      | 3/22/2011 12:46 | 10.35  | 37.06  | 23.39        | 9.64    | 7.85 | 18.6       | 2.68   | 99.9  |
| 381      | 3/22/2011 13:01 | 10.29  | 37.57  | 23.74        | 9.62    | 7.79 | 19.2       | 2.76   | 99.8  |
| 382      | 3/22/2011 13:16 | 10.34  | 38.02  | 24.06        | 9.63    | 7.80 | 17.3       | 2.86   | 100.2 |
| 383      | 3/22/2011 13:31 | 10.33  | 39.09  | 24.80        | 9.66    | 7.81 | 17.9       | 2.95   | 101.0 |
| 384      | 3/22/2011 13:46 | 10.32  | 40.29  | 25.64        | 9.68    | 7.89 | 18.7       | 3.05   | 101.8 |
| 385      | 3/22/2011 14:01 | 10.34  | 40.93  | 26.09        | 9.67    | 7.83 | 17.2       | 3.14   | 102.0 |
| 386      | 3/22/2011 14:16 | 10.35  | 41.30  | 26.35        | 9.67    | 7.83 | 16.8       | 3.24   | 102.1 |
| 387      | 3/22/2011 14:31 | 10.34  | 41.85  | 26.74        | 9.63    | 7.91 | 18.3       | 3.31   | 102.0 |
| 388      | 3/22/2011 14:46 | 10.21  | 43.21  | 27.69        | 9.55    | 7.84 | 21.1       | 3.37   | 101.4 |
| 389      | 3/22/2011 15:01 | 10.35  | 43.28  | 27.75        | 9.52    | 7.84 | 13.3       | 3.44   | 101.4 |
| 390      | 3/22/2011 15:16 | 10.28  | 44.22  | 28.41        | 9.46    | 7.84 | 10.2       | 3.46   | 101.1 |
| 391      | 3/22/2011 15:31 | 10.26  | 44.76  | 28.80        | 9.45    | 7.84 | 8.8        | 3.48   | 101.2 |
| 392      | 3/22/2011 15:46 | 10.16  | 45.08  | 29.02        | 9.39    | 7.84 | 10.7       | 3.48   | 100.5 |
| 393      | 3/22/2011 16:01 | 10.16  | 45.36  | 29.22        | 9.39    | 7.93 | 10.0       | 3.44   | 100.6 |
| 394      | 3/22/2011 16:16 | 10.28  | 44.25  | 28.44        | 9.52    | 7.93 | 12.5       | 3.38   | 101.7 |
| 395      | 3/22/2011 16:31 | 10.54  | 42.60  | 27.28        | 9.56    | 7.93 | 18.8       | 3.30   | 102.0 |
| 396      | 3/22/2011 16:46 | 10.59  | 41.21  | 26.30        | 9.66    | 7.92 | 27.4       | 3.21   | 102.5 |
| 397      | 3/22/2011 17:01 | 10.61  | 40.68  | 25.93        | 9.67    | 7.92 | 21.9       | 3.10   | 102.4 |
| 398      | 3/22/2011 17:16 | 10.58  | 40.34  | 25.69        | 9.68    | 7.91 | 19.1       | 3.01   | 102.4 |
| 399      | 3/22/2011 17:31 | 10.94  | 37.88  | 23.98        | 9.77    | 7.90 | 14.6       | 2.90   | 103.0 |
| 400      | 3/22/2011 17:46 | 11.01  | 38.22  | 24.22        | 9.74    | 7.80 | 10.2       | 2.80   | 103.0 |
| 401      | 3/22/2011 18:01 | 10.95  | 38.33  | 24.30        | 9.74    | 7.81 | 9.7        | 2.72   | 103.0 |
| 402      | 3/22/2011 18:16 | 10.96  | 37.63  | 23.81        | 9.76    | 7.80 | 9.6        | 2.61   | 102.8 |
| 403      | 3/22/2011 18:31 | 10.92  | 37.40  | 23.65        | 9.75    | 7.80 | 9.8        | 2.51   | 102.5 |
| 404      | 3/22/2011 18:46 | 10.95  | 36.54  | 23.05        | 9.76    | 7.79 | 9.5        | 2.44   | 102.3 |
| 405      | 3/22/2011 19:01 | 10.88  | 37.15  | 23.47        | 9.79    | 7.80 | 8.7        | 2.34   | 102.8 |
| 406      | 3/22/2011 19:16 | 10.92  | 36.51  | 23.03        | 9.77    | 7.80 | 8.4        | 2.28   | 102.4 |
| 407      | 3/22/2011 19:31 | 10.96  | 35.98  | 22.66        | 9.79    | 7.88 | 8.1        | 2.20   | 102.5 |
| 408      | 3/22/2011 19:46 | 10.97  | 36.00  | 22.68        | 9.77    | 7.79 | 8.5        | 2.14   | 102.2 |
| 409      | 3/22/2011 20:01 | 11.01  | 35.61  | 22.41        | 9.74    | 7.79 | 8.6        | 2.08   | 101.9 |
| 410      | 3/22/2011 20:16 | 11.11  | 34.91  | 21.93        | 9.79    | 7.78 | 7.8        | 2.04   | 102.2 |
| 411      | 3/22/2011 20:31 | 10.89  | 36.25  | 22.85        | 9.64    | 7.79 | 7.5        | 2.03   | 100.9 |
| 412      | 3/22/2011 20:46 | 11.09  | 34.90  | 21.92        | 9.74    | 7.86 | 8.1        | 2.04   | 101.7 |
| 413      | 3/22/2011 21:01 | 11.09  | 34.79  | 21.84        | 9.77    | 7.79 | 7.1        | 2.07   | 101.9 |
| 414      | 3/22/2011 21:16 | 10.91  | 35.99  | 22.67        | 9.70    | 7.79 | 8.7        | 2.10   | 101.3 |
| 415      | 3/22/2011 21:31 | 10.99  | 35.30  | 22.20        | 9.76    | 7.79 | 8.2        | 2.17   | 101.9 |
| 416      | 3/22/2011 21:46 | 11.02  | 34.60  | 21.71        | 9.80    | 7.78 | 10.4       | 2.25   | 102.1 |
| 417      | 3/22/2011 22:01 | 10.97  | 35.13  | 22.08        | 9.78    | 7.84 | 9.2        | 2.33   | 102.0 |
| 418      | 3/22/2011 22:16 | 10.90  | 36.48  | 23.01        | 9.71    | 7.85 | 10.0       | 2.42   | 101.7 |
| 419      | 3/22/2011 22:31 | 10.92  | 36.71  | 23.17        | 9.74    | 7.80 | 8.9        | 2.52   | 102.1 |
| 420      | 3/22/2011 22:46 | 10.86  | 37.22  | 23.52        | 9.72    | 7.87 | 9.7        | 2.59   | 102.0 |
| 421      | 3/22/2011 23:01 | 10.83  | 37.52  | 23.73        | 9.73    | 7.80 | 11.9       | 2.70   | 102.2 |
| 422      | 3/22/2011 23:16 | 10.78  | 37.73  | 23.87        | 9.72    | 7.81 | 8.7        | 2.79   | 102.1 |
| 423      | 3/22/2011 23:31 | 10.69  | 38.04  | 24.09        | 9.72    | 7.81 | 9.6        | 2.86   | 102.0 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 424      | 3/22/2011 23:46 | 10.66  | 38.96  | 24.72        | 9.70    | 7.88 | 8.9               | 2.98            | 102.2 |
| 425      | 3/23/2011 0:01  | 10.60  | 41.41  | 26.44        | 9.60    | 7.83 | 13.9              | 3.07            | 102.1 |
| 426      | 3/23/2011 0:16  | 10.58  | 41.90  | 26.79        | 9.59    | 7.84 | 20.1              | 3.19            | 102.1 |
| 427      | 3/23/2011 0:31  | 10.57  | 42.14  | 26.96        | 9.61    | 7.84 | 20.6              | 3.30            | 102.4 |
| 428      | 3/23/2011 0:46  | 10.53  | 42.95  | 27.53        | 9.60    | 7.84 | 19.8              | 3.41            | 102.6 |
| 429      | 3/23/2011 1:01  | 10.49  | 43.77  | 28.11        | 9.57    | 7.92 | 19.5              | 3.52            | 102.6 |
| 430      | 3/23/2011 1:16  | 10.46  | 44.44  | 28.58        | 9.56    | 7.93 | 16.1              | 3.63            | 102.7 |
| 431      | 3/23/2011 1:31  | 10.45  | 44.90  | 28.91        | 9.55    | 7.94 | 15.1              | 3.73            | 102.7 |
| 432      | 3/23/2011 1:46  | 10.44  | 45.12  | 29.06        | 9.54    | 7.94 | 13.3              | 3.82            | 102.7 |
| 433      | 3/23/2011 2:01  | 10.43  | 45.38  | 29.25        | 9.52    | 7.85 | 12.9              | 3.89            | 102.7 |
| 434      | 3/23/2011 2:16  | 10.38  | 45.59  | 29.39        | 9.55    | 7.86 | 11.0              | 3.97            | 103.0 |
| 435      | 3/23/2011 2:31  | 10.30  | 45.64  | 29.43        | 9.60    | 7.96 | 9.6               | 4.03            | 103.3 |
| 436      | 3/23/2011 2:46  | 10.26  | 45.44  | 29.28        | 9.60    | 7.87 | 9.4               | 4.06            | 103.2 |
| 437      | 3/23/2011 3:01  | 10.25  | 45.40  | 29.25        | 9.60    | 7.87 | 8.6               | 4.09            | 103.1 |
| 438      | 3/23/2011 3:16  | 10.31  | 45.15  | 29.07        | 9.51    | 7.86 | 8.5               | 4.08            | 102.1 |
| 439      | 3/23/2011 3:31  | 10.34  | 45.27  | 29.17        | 9.53    | 7.85 | 10.6              | 4.06            | 102.5 |
| 440      | 3/23/2011 3:46  | 10.36  | 44.46  | 28.59        | 9.51    | 7.94 | 8.4               | 3.97            | 101.9 |
| 441      | 3/23/2011 4:01  | 10.36  | 41.50  | 26.49        | 9.55    | 7.82 | 8.0               | 3.91            | 101.0 |
| 442      | 3/23/2011 4:16  | 10.37  | 41.77  | 26.68        | 9.56    | 7.83 | 10.1              | 3.81            | 101.3 |
| 443      | 3/23/2011 4:31  | 10.45  | 39.59  | 25.16        | 9.60    | 7.81 | 12.6              | 3.69            | 100.9 |
| 444      | 3/23/2011 4:46  | 10.48  | 40.38  | 25.71        | 9.57    | 7.82 | 14.6              | 3.57            | 101.0 |
| 445      | 3/23/2011 5:01  | 10.53  | 40.09  | 25.51        | 9.56    | 7.81 | 11.2              | 3.44            | 100.9 |
| 446      | 3/23/2011 5:16  | 10.53  | 39.99  | 25.44        | 9.55    | 7.89 | 11.9              | 3.31            | 100.7 |
| 447      | 3/23/2011 5:31  | 10.55  | 39.40  | 25.03        | 9.56    | 7.90 | 12.8              | 3.18            | 100.6 |
| 448      | 3/23/2011 5:46  | 10.55  | 40.58  | 25.86        | 9.55    | 7.82 | 13.8              | 3.05            | 101.0 |
| 449      | 3/23/2011 6:01  | 10.60  | 39.19  | 24.88        | 9.56    | 7.81 | 12.3              | 2.92            | 100.7 |
| 450      | 3/23/2011 6:16  | 10.61  | 38.07  | 24.10        | 9.60    | 7.80 | 15.9              | 2.76            | 100.6 |
| 451      | 3/23/2011 6:31  | 10.60  | 38.35  | 24.29        | 9.59    | 7.80 | 25.7              | 2.61            | 100.6 |
| 452      | 3/23/2011 6:46  | 10.57  | 38.46  | 24.37        | 9.57    | 7.81 | 35.6              | 2.49            | 100.4 |
| 453      | 3/23/2011 7:01  | 10.54  | 38.36  | 24.30        | 9.56    | 7.80 | 29.9              | 2.38            | 100.1 |
| 454      | 3/23/2011 7:16  | 10.46  | 38.10  | 24.11        | 9.57    | 7.80 | 35.4              | 2.21            | 99.9  |
| 455      | 3/23/2011 7:31  | 10.50  | 38.17  | 24.17        | 9.54    | 7.80 | 34.5              | 2.07            | 99.7  |
| 456      | 3/23/2011 7:46  | 10.49  | 38.26  | 24.23        | 9.53    | 7.80 | 29.5              | 1.93            | 99.7  |
| 457      | 3/23/2011 8:01  | 10.47  | 38.27  | 24.23        | 9.51    | 7.80 | 23.3              | 1.79            | 99.4  |
| 458      | 3/23/2011 8:16  | 10.50  | 38.16  | 24.16        | 9.49    | 7.87 | 19.4              | 1.65            | 99.2  |
| 459      | 3/23/2011 8:31  | 10.52  | 37.87  | 23.96        | 9.48    | 7.79 | 16.8              | 1.53            | 99.0  |
| 460      | 3/23/2011 8:46  | 10.53  | 37.46  | 23.68        | 9.48    | 7.79 | 15.2              | 1.42            | 98.8  |
| 461      | 3/23/2011 9:01  | 10.56  | 37.20  | 23.50        | 9.46    | 7.79 | 13.6              | 1.34            | 98.6  |
| 462      | 3/23/2011 9:16  | 10.58  | 37.00  | 23.36        | 9.44    | 7.79 | 12.0              | 1.26            | 98.3  |
| 463      | 3/23/2011 9:31  | 10.59  | 36.97  | 23.34        | 9.42    | 7.79 | 11.4              | 1.24            | 98.2  |
| 464      | 3/23/2011 9:46  | 10.57  | 37.00  | 23.36        | 9.41    | 7.79 | 12.1              | 1.24            | 98.0  |
| 465      | 3/23/2011 10:01 | 10.58  | 37.29  | 23.56        | 9.47    | 7.86 | 10.8              | 1.28            | 98.8  |
| 466      | 3/23/2011 10:16 | 10.58  | 37.53  | 23.72        | 9.47    | 7.87 | 11.4              | 1.32            | 98.9  |
| 467      | 3/23/2011 10:31 | 10.62  | 37.58  | 23.76        | 9.49    | 7.80 | 10.3              | 1.39            | 99.2  |
| 468      | 3/23/2011 10:46 | 10.57  | 37.00  | 23.36        | 9.49    | 7.86 | 10.9              | 1.48            | 98.8  |
| 469      | 3/23/2011 11:01 | 10.53  | 36.40  | 22.94        | 9.50    | 7.78 | 12.1              | 1.58            | 98.6  |
| 470      | 3/23/2011 11:16 | 10.51  | 36.11  | 22.74        | 9.51    | 7.84 | 12.3              | 1.69            | 98.5  |
| 471      | 3/23/2011 11:31 | 10.51  | 35.92  | 22.60        | 9.51    | 7.83 | 13.1              | 1.78            | 98.5  |
| 472      | 3/23/2011 11:46 | 10.54  | 35.56  | 22.36        | 9.53    | 7.77 | 12.9              | 1.87            | 98.6  |
| 473      | 3/23/2011 12:01 | 10.55  | 36.32  | 22.88        | 9.51    | 7.78 | 11.8              | 1.98            | 98.7  |
| 474      | 3/23/2011 12:16 | 10.55  | 37.29  | 23.56        | 9.48    | 7.79 | 12.7              | 2.07            | 98.8  |
| 475      | 3/23/2011 12:31 | 10.61  | 37.17  | 23.48        | 9.52    | 7.79 | 12.3              | 2.16            | 99.3  |
| 476      | 3/23/2011 12:46 | 10.69  | 37.58  | 23.76        | 9.54    | 7.79 | 16.1              | 2.28            | 99.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 477      | 3/23/2011 13:01 | 10.72  | 38.02  | 24.07        | 9.53    | 7.86 | 14.0              | 2.38            | 100.1 |
| 478      | 3/23/2011 13:16 | 10.69  | 38.37  | 24.32        | 9.52    | 7.81 | 13.7              | 2.47            | 100.1 |
| 479      | 3/23/2011 13:31 | 10.67  | 38.68  | 24.53        | 9.52    | 7.81 | 15.5              | 2.57            | 100.2 |
| 480      | 3/23/2011 13:46 | 10.66  | 38.78  | 24.60        | 9.54    | 7.81 | 19.8              | 2.64            | 100.3 |
| 481      | 3/23/2011 14:01 | 10.64  | 39.09  | 24.82        | 9.54    | 7.88 | 22.8              | 2.74            | 100.4 |
| 482      | 3/23/2011 14:16 | 10.61  | 39.53  | 25.12        | 9.54    | 7.81 | 20.2              | 2.83            | 100.5 |
| 483      | 3/23/2011 14:31 | 10.56  | 40.28  | 25.65        | 9.54    | 7.89 | 18.6              | 2.93            | 100.8 |
| 484      | 3/23/2011 14:46 | 10.55  | 41.17  | 26.27        | 9.56    | 7.83 | 16.5              | 3.01            | 101.4 |
| 485      | 3/23/2011 15:01 | 10.60  | 41.67  | 26.63        | 9.55    | 7.83 | 14.2              | 3.09            | 101.6 |
| 486      | 3/23/2011 15:16 | 10.58  | 41.95  | 26.82        | 9.53    | 7.91 | 13.9              | 3.17            | 101.5 |
| 487      | 3/23/2011 15:31 | 10.57  | 42.38  | 27.13        | 9.52    | 7.84 | 13.6              | 3.24            | 101.6 |
| 488      | 3/23/2011 15:46 | 10.50  | 43.21  | 27.71        | 9.49    | 7.92 | 14.0              | 3.31            | 101.4 |
| 489      | 3/23/2011 16:01 | 10.46  | 44.02  | 28.28        | 9.44    | 7.84 | 13.6              | 3.35            | 101.2 |
| 490      | 3/23/2011 16:16 | 10.40  | 44.49  | 28.61        | 9.40    | 7.92 | 9.3               | 3.40            | 100.8 |
| 491      | 3/23/2011 16:31 | 10.38  | 44.94  | 28.93        | 9.37    | 7.93 | 7.8               | 3.39            | 100.7 |
| 492      | 3/23/2011 16:46 | 10.36  | 45.39  | 29.25        | 9.38    | 7.84 | 9.4               | 3.38            | 101.0 |
| 493      | 3/23/2011 17:01 | 10.68  | 43.35  | 27.81        | 9.44    | 7.93 | 9.5               | 3.38            | 101.4 |
| 494      | 3/23/2011 17:16 | 10.58  | 43.17  | 27.68        | 9.52    | 7.84 | 11.2              | 3.31            | 101.9 |
| 495      | 3/23/2011 17:31 | 10.69  | 42.49  | 27.21        | 9.53    | 7.83 | 13.0              | 3.23            | 102.0 |
| 496      | 3/23/2011 17:46 | 10.72  | 41.82  | 26.74        | 9.54    | 7.83 | 14.2              | 3.16            | 101.9 |
| 497      | 3/23/2011 18:01 | 10.86  | 40.76  | 25.99        | 9.58    | 7.83 | 13.3              | 3.07            | 102.1 |
| 498      | 3/23/2011 18:16 | 10.79  | 40.83  | 26.04        | 9.55    | 7.83 | 12.6              | 2.97            | 101.6 |
| 499      | 3/23/2011 18:31 | 10.87  | 39.75  | 25.29        | 9.57    | 7.82 | 14.3              | 2.90            | 101.6 |
| 500      | 3/23/2011 18:46 | 10.84  | 39.55  | 25.14        | 9.57    | 7.81 | 13.4              | 2.82            | 101.4 |
| 501      | 3/23/2011 19:01 | 10.86  | 39.42  | 25.05        | 9.56    | 7.90 | 12.5              | 2.74            | 101.3 |
| 502      | 3/23/2011 19:16 | 10.85  | 39.27  | 24.95        | 9.56    | 7.81 | 12.5              | 2.68            | 101.2 |
| 503      | 3/23/2011 19:31 | 10.82  | 39.16  | 24.87        | 9.56    | 7.81 | 13.9              | 2.60            | 101.1 |
| 504      | 3/23/2011 19:46 | 10.83  | 38.87  | 24.67        | 9.55    | 7.81 | 12.6              | 2.54            | 100.9 |
| 505      | 3/23/2011 20:01 | 10.83  | 38.56  | 24.45        | 9.54    | 7.81 | 13.8              | 2.50            | 100.6 |
| 506      | 3/23/2011 20:16 | 10.80  | 38.59  | 24.47        | 9.52    | 7.81 | 14.7              | 2.45            | 100.4 |
| 507      | 3/23/2011 20:31 | 10.76  | 38.49  | 24.40        | 9.51    | 7.81 | 15.0              | 2.42            | 100.2 |
| 508      | 3/23/2011 20:46 | 10.74  | 38.50  | 24.40        | 9.51    | 7.89 | 14.6              | 2.39            | 100.1 |
| 509      | 3/23/2011 21:01 | 10.82  | 38.71  | 24.55        | 9.39    | 7.89 | 9.9               | 2.36            | 99.1  |
| 510      | 3/23/2011 21:16 | 10.82  | 38.82  | 24.63        | 9.37    | 7.80 | 8.8               | 2.35            | 98.9  |
| 511      | 3/23/2011 21:31 | 10.80  | 38.93  | 24.71        | 9.35    | 7.80 | 8.6               | 2.34            | 98.8  |
| 512      | 3/23/2011 21:46 | 10.75  | 37.46  | 23.68        | 9.53    | 7.81 | 9.6               | 2.36            | 99.9  |
| 513      | 3/23/2011 22:01 | 10.74  | 37.55  | 23.75        | 9.57    | 7.89 | 9.3               | 2.37            | 100.3 |
| 514      | 3/23/2011 22:16 | 10.82  | 38.83  | 24.64        | 9.47    | 7.81 | 10.5              | 2.39            | 100.0 |
| 515      | 3/23/2011 22:31 | 10.78  | 38.67  | 24.53        | 9.51    | 7.89 | 11.0              | 2.44            | 100.3 |
| 516      | 3/23/2011 22:46 | 10.79  | 38.82  | 24.63        | 9.51    | 7.81 | 13.6              | 2.49            | 100.3 |
| 517      | 3/23/2011 23:01 | 10.80  | 39.28  | 24.96        | 9.51    | 7.89 | 15.1              | 2.55            | 100.6 |
| 518      | 3/23/2011 23:16 | 10.78  | 39.29  | 24.96        | 9.53    | 7.90 | 11.8              | 2.61            | 100.8 |
| 519      | 3/23/2011 23:31 | 10.70  | 38.55  | 24.44        | 9.60    | 7.82 | 11.0              | 2.68            | 101.0 |
| 520      | 3/23/2011 23:46 | 10.74  | 39.21  | 24.90        | 9.55    | 7.82 | 10.9              | 2.77            | 100.9 |
| 521      | 3/24/2011 0:01  | 10.72  | 39.30  | 24.96        | 9.55    | 7.82 | 11.0              | 2.85            | 100.8 |
| 522      | 3/24/2011 0:16  | 10.71  | 39.05  | 24.79        | 9.54    | 7.81 | 14.7              | 2.94            | 100.6 |
| 523      | 3/24/2011 0:31  | 10.66  | 39.38  | 25.02        | 9.54    | 7.89 | 10.8              | 3.04            | 100.6 |
| 524      | 3/24/2011 0:46  | 10.60  | 39.86  | 25.35        | 9.55    | 7.82 | 10.8              | 3.13            | 100.8 |
| 525      | 3/24/2011 1:01  | 10.58  | 40.27  | 25.64        | 9.53    | 7.82 | 10.4              | 3.22            | 100.7 |
| 526      | 3/24/2011 1:16  | 10.52  | 41.62  | 26.59        | 9.49    | 7.83 | 9.5               | 3.32            | 100.8 |
| 527      | 3/24/2011 1:31  | 10.49  | 43.62  | 28.00        | 9.42    | 7.91 | 10.3              | 3.42            | 100.9 |
| 528      | 3/24/2011 1:46  | 10.46  | 44.87  | 28.88        | 9.40    | 7.92 | 18.4              | 3.51            | 101.1 |
| 529      | 3/24/2011 2:01  | 10.44  | 45.03  | 29.00        | 9.39    | 7.85 | 20.9              | 3.60            | 101.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 530      | 3/24/2011 2:16  | 10.40  | 45.27  | 29.17        | 9.39    | 7.85 | 21.1              | 3.69            | 101.1 |
| 531      | 3/24/2011 2:31  | 10.37  | 45.34  | 29.22        | 9.37    | 7.85 | 17.9              | 3.76            | 100.9 |
| 532      | 3/24/2011 2:46  | 10.33  | 45.92  | 29.63        | 9.36    | 7.85 | 13.4              | 3.83            | 101.0 |
| 533      | 3/24/2011 3:01  | 10.31  | 46.35  | 29.93        | 9.32    | 7.94 | 12.0              | 3.89            | 100.7 |
| 534      | 3/24/2011 3:16  | 10.29  | 46.50  | 30.04        | 9.30    | 7.94 | 10.4              | 3.93            | 100.5 |
| 535      | 3/24/2011 3:31  | 10.28  | 46.68  | 30.17        | 9.28    | 7.85 | 9.4               | 3.97            | 100.3 |
| 536      | 3/24/2011 3:46  | 10.25  | 46.62  | 30.12        | 9.28    | 7.85 | 8.2               | 3.99            | 100.2 |
| 537      | 3/24/2011 4:01  | 10.27  | 46.54  | 30.07        | 9.25    | 7.94 | 8.1               | 3.99            | 99.9  |
| 538      | 3/24/2011 4:16  | 10.28  | 46.59  | 30.10        | 9.26    | 7.85 | 9.3               | 3.96            | 100.0 |
| 539      | 3/24/2011 4:31  | 10.30  | 45.67  | 29.44        | 9.27    | 7.84 | 10.3              | 3.92            | 99.8  |
| 540      | 3/24/2011 4:46  | 10.29  | 46.29  | 29.89        | 9.28    | 7.84 | 9.8               | 3.84            | 100.1 |
| 541      | 3/24/2011 5:01  | 10.18  | 42.17  | 26.95        | 9.46    | 7.83 | 9.2               | 3.76            | 100.0 |
| 542      | 3/24/2011 5:16  | 10.17  | 40.94  | 26.09        | 9.50    | 7.83 | 10.9              | 3.66            | 99.8  |
| 543      | 3/24/2011 5:31  | 10.20  | 40.95  | 26.10        | 9.49    | 7.92 | 15.1              | 3.57            | 99.8  |
| 544      | 3/24/2011 5:46  | 10.22  | 41.19  | 26.27        | 9.48    | 7.83 | 15.0              | 3.45            | 99.8  |
| 545      | 3/24/2011 6:01  | 10.22  | 41.25  | 26.31        | 9.48    | 7.83 | 12.5              | 3.34            | 99.9  |
| 546      | 3/24/2011 6:16  | 10.24  | 41.37  | 26.40        | 9.47    | 7.83 | 13.1              | 3.25            | 99.9  |
| 547      | 3/24/2011 6:31  | 10.24  | 41.38  | 26.40        | 9.49    | 7.83 | 11.9              | 3.12            | 100.0 |
| 548      | 3/24/2011 6:46  | 10.23  | 41.44  | 26.44        | 9.48    | 7.83 | 11.7              | 3.01            | 99.9  |
| 549      | 3/24/2011 7:01  | 10.18  | 40.94  | 26.09        | 9.47    | 7.90 | 10.6              | 2.88            | 99.5  |
| 550      | 3/24/2011 7:16  | 10.17  | 40.64  | 25.88        | 9.49    | 7.90 | 14.3              | 2.76            | 99.5  |
| 551      | 3/24/2011 7:31  | 10.12  | 39.86  | 25.33        | 9.53    | 7.82 | 16.2              | 2.64            | 99.5  |
| 552      | 3/24/2011 7:46  | 10.04  | 39.52  | 25.09        | 9.56    | 7.82 | 16.8              | 2.52            | 99.5  |
| 553      | 3/24/2011 8:01  | 10.01  | 39.05  | 24.76        | 9.57    | 7.88 | 17.2              | 2.41            | 99.3  |
| 554      | 3/24/2011 8:16  | 9.94   | 39.69  | 25.21        | 9.55    | 7.89 | 17.7              | 2.27            | 99.3  |
| 555      | 3/24/2011 8:31  | 9.87   | 39.48  | 25.05        | 9.54    | 7.82 | 17.8              | 2.14            | 99.0  |
| 556      | 3/24/2011 8:46  | 9.86   | 38.74  | 24.53        | 9.55    | 7.87 | 18.4              | 2.02            | 98.7  |
| 557      | 3/24/2011 9:01  | 9.80   | 38.59  | 24.43        | 9.56    | 7.87 | 16.4              | 1.92            | 98.6  |
| 558      | 3/24/2011 9:16  | 9.79   | 38.13  | 24.11        | 9.59    | 7.81 | 15.2              | 1.82            | 98.6  |
| 559      | 3/24/2011 9:31  | 9.72   | 38.16  | 24.13        | 9.61    | 7.87 | 17.0              | 1.68            | 98.7  |
| 560      | 3/24/2011 9:46  | 9.77   | 37.64  | 23.77        | 9.60    | 7.82 | 15.0              | 1.62            | 98.5  |
| 561      | 3/24/2011 10:01 | 9.80   | 37.33  | 23.55        | 9.59    | 7.87 | 12.9              | 1.55            | 98.3  |
| 562      | 3/24/2011 10:16 | 9.74   | 37.35  | 23.56        | 9.54    | 7.82 | 13.0              | 1.47            | 97.7  |
| 563      | 3/24/2011 10:31 | 9.79   | 37.11  | 23.40        | 9.57    | 7.88 | 11.5              | 1.47            | 98.0  |
| 564      | 3/24/2011 10:46 | 9.82   | 37.11  | 23.40        | 9.56    | 7.82 | 11.4              | 1.46            | 98.0  |
| 565      | 3/24/2011 11:01 | 9.86   | 37.22  | 23.48        | 9.61    | 7.87 | 10.3              | 1.48            | 98.6  |
| 566      | 3/24/2011 11:16 | 9.88   | 37.34  | 23.56        | 9.61    | 7.82 | 10.3              | 1.52            | 98.7  |
| 567      | 3/24/2011 11:31 | 9.89   | 37.32  | 23.55        | 9.61    | 7.81 | 11.8              | 1.58            | 98.7  |
| 568      | 3/24/2011 11:46 | 9.90   | 36.23  | 22.79        | 9.60    | 7.79 | 12.0              | 1.64            | 98.1  |
| 569      | 3/24/2011 12:01 | 9.92   | 36.21  | 22.78        | 9.59    | 7.79 | 10.9              | 1.73            | 98.1  |
| 570      | 3/24/2011 12:16 | 9.91   | 36.26  | 22.82        | 9.59    | 7.84 | 10.8              | 1.83            | 98.1  |
| 571      | 3/24/2011 12:31 | 9.91   | 36.01  | 22.64        | 9.57    | 7.79 | 10.9              | 1.92            | 97.8  |
| 572      | 3/24/2011 12:46 | 9.96   | 36.66  | 23.10        | 9.53    | 7.80 | 12.6              | 2.00            | 97.8  |
| 573      | 3/24/2011 13:01 | 10.00  | 36.99  | 23.33        | 9.51    | 7.80 | 11.4              | 2.08            | 97.8  |
| 574      | 3/24/2011 13:16 | 10.01  | 37.11  | 23.41        | 9.54    | 7.80 | 11.5              | 2.19            | 98.2  |
| 575      | 3/24/2011 13:31 | 10.04  | 37.32  | 23.56        | 9.53    | 7.80 | 11.5              | 2.27            | 98.3  |
| 576      | 3/24/2011 13:46 | 10.12  | 37.33  | 23.57        | 9.58    | 7.86 | 13.1              | 2.35            | 98.9  |
| 577      | 3/24/2011 14:01 | 10.13  | 37.88  | 23.95        | 9.57    | 7.86 | 11.2              | 2.44            | 99.0  |
| 578      | 3/24/2011 14:16 | 10.14  | 38.48  | 24.37        | 9.52    | 7.81 | 12.2              | 2.50            | 98.8  |
| 579      | 3/24/2011 14:31 | 10.18  | 38.77  | 24.57        | 9.50    | 7.81 | 12.5              | 2.59            | 98.9  |
| 580      | 3/24/2011 14:46 | 10.22  | 38.91  | 24.67        | 9.52    | 7.81 | 12.9              | 2.68            | 99.2  |
| 581      | 3/24/2011 15:01 | 10.20  | 39.23  | 24.90        | 9.51    | 7.82 | 12.5              | 2.75            | 99.2  |
| 582      | 3/24/2011 15:16 | 10.21  | 39.40  | 25.01        | 9.49    | 7.82 | 14.0              | 2.82            | 99.1  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 583      | 3/24/2011 15:31 | 10.25  | 39.75  | 25.26        | 9.51    | 7.88 | 15.6              | 2.90            | 99.6  |
| 584      | 3/24/2011 15:46 | 10.24  | 39.95  | 25.40        | 9.50    | 7.88 | 15.4              | 2.98            | 99.6  |
| 585      | 3/24/2011 16:01 | 10.19  | 40.65  | 25.89        | 9.47    | 7.89 | 26.2              | 3.04            | 99.4  |
| 586      | 3/24/2011 16:16 | 10.19  | 41.23  | 26.29        | 9.48    | 7.83 | 23.6              | 3.11            | 99.7  |
| 587      | 3/24/2011 16:31 | 10.15  | 41.90  | 26.77        | 9.44    | 7.83 | 17.5              | 3.17            | 99.6  |
| 588      | 3/24/2011 16:46 | 10.13  | 42.51  | 27.19        | 9.41    | 7.90 | 13.4              | 3.22            | 99.4  |
| 589      | 3/24/2011 17:01 | 10.12  | 42.64  | 27.29        | 9.39    | 7.84 | 10.6              | 3.26            | 99.3  |
| 590      | 3/24/2011 17:16 | 10.12  | 42.85  | 27.44        | 9.37    | 7.91 | 7.5               | 3.27            | 99.2  |
| 591      | 3/24/2011 17:31 | 10.12  | 42.86  | 27.44        | 9.38    | 7.90 | 9.0               | 3.29            | 99.3  |
| 592      | 3/24/2011 17:46 | 10.11  | 42.75  | 27.36        | 9.35    | 7.83 | 8.5               | 3.29            | 99.0  |
| 593      | 3/24/2011 18:01 | 10.11  | 42.58  | 27.24        | 9.37    | 7.83 | 9.1               | 3.27            | 99.1  |
| 594      | 3/24/2011 18:16 | 10.11  | 42.76  | 27.37        | 9.38    | 7.83 | 11.8              | 3.21            | 99.2  |
| 595      | 3/24/2011 18:31 | 10.12  | 42.26  | 27.02        | 9.37    | 7.90 | 10.8              | 3.16            | 98.9  |
| 596      | 3/24/2011 18:46 | 10.12  | 41.09  | 26.19        | 9.44    | 7.90 | 19.5              | 3.10            | 99.1  |
| 597      | 3/24/2011 19:01 | 10.01  | 37.48  | 23.67        | 9.64    | 7.82 | 14.5              | 3.05            | 99.3  |
| 598      | 3/24/2011 19:16 | 9.96   | 38.56  | 24.42        | 9.62    | 7.89 | 10.9              | 2.96            | 99.5  |
| 599      | 3/24/2011 19:31 | 9.90   | 37.44  | 23.63        | 9.65    | 7.81 | 11.4              | 2.88            | 99.2  |
| 600      | 3/24/2011 19:46 | 9.87   | 36.85  | 23.22        | 9.67    | 7.87 | 12.8              | 2.85            | 99.1  |
| 601      | 3/24/2011 20:01 | 9.88   | 37.13  | 23.42        | 9.62    | 7.81 | 11.7              | 2.79            | 98.7  |
| 602      | 3/24/2011 20:16 | 9.90   | 37.66  | 23.79        | 9.63    | 7.87 | 11.7              | 2.74            | 99.1  |
| 603      | 3/24/2011 20:31 | 10.01  | 38.38  | 24.29        | 9.52    | 7.87 | 9.3               | 2.69            | 98.5  |
| 604      | 3/24/2011 20:46 | 10.05  | 38.50  | 24.38        | 9.47    | 7.81 | 8.7               | 2.64            | 98.1  |
| 605      | 3/24/2011 21:01 | 10.07  | 38.77  | 24.57        | 9.42    | 7.87 | 7.4               | 2.61            | 97.8  |
| 606      | 3/24/2011 21:16 | 10.04  | 38.20  | 24.17        | 9.43    | 7.81 | 6.9               | 2.60            | 97.6  |
| 607      | 3/24/2011 21:31 | 10.00  | 38.13  | 24.12        | 9.43    | 7.87 | 6.7               | 2.56            | 97.5  |
| 608      | 3/24/2011 21:46 | 9.98   | 37.77  | 23.86        | 9.46    | 7.81 | 7.3               | 2.53            | 97.6  |
| 609      | 3/24/2011 22:01 | 9.95   | 37.77  | 23.86        | 9.40    | 7.87 | 6.8               | 2.55            | 96.9  |
| 610      | 3/24/2011 22:16 | 9.93   | 37.63  | 23.77        | 9.42    | 7.86 | 7.9               | 2.53            | 97.0  |
| 611      | 3/24/2011 22:31 | 9.95   | 37.76  | 23.86        | 9.44    | 7.86 | 9.3               | 2.53            | 97.3  |
| 612      | 3/24/2011 22:46 | 9.93   | 37.52  | 23.69        | 9.54    | 7.81 | 10.6              | 2.54            | 98.2  |
| 613      | 3/24/2011 23:01 | 9.92   | 37.26  | 23.51        | 9.60    | 7.81 | 10.4              | 2.56            | 98.7  |
| 614      | 3/24/2011 23:16 | 9.95   | 37.66  | 23.79        | 9.58    | 7.81 | 9.9               | 2.60            | 98.7  |
| 615      | 3/24/2011 23:31 | 10.05  | 38.48  | 24.36        | 9.45    | 7.81 | 9.7               | 2.60            | 97.9  |
| 616      | 3/24/2011 23:46 | 10.07  | 38.98  | 24.72        | 9.44    | 7.87 | 10.3              | 2.67            | 98.0  |
| 617      | 3/25/2011 0:01  | 10.05  | 39.10  | 24.80        | 9.49    | 7.87 | 16.2              | 2.69            | 98.6  |
| 618      | 3/25/2011 0:16  | 10.03  | 39.27  | 24.91        | 9.49    | 7.87 | 12.0              | 2.73            | 98.6  |
| 619      | 3/25/2011 0:31  | 10.01  | 38.90  | 24.66        | 9.52    | 7.87 | 11.8              | 2.81            | 98.7  |
| 620      | 3/25/2011 0:46  | 9.95   | 38.26  | 24.21        | 9.57    | 7.82 | 12.7              | 2.87            | 98.9  |
| 621      | 3/25/2011 1:01  | 9.94   | 39.03  | 24.74        | 9.55    | 7.82 | 12.3              | 2.96            | 99.0  |
| 622      | 3/25/2011 1:16  | 10.01  | 41.30  | 26.34        | 9.45    | 7.83 | 11.7              | 3.01            | 99.1  |
| 623      | 3/25/2011 1:31  | 9.98   | 41.15  | 26.23        | 9.46    | 7.83 | 12.5              | 3.09            | 99.1  |
| 624      | 3/25/2011 1:46  | 10.00  | 41.65  | 26.58        | 9.46    | 7.84 | 12.7              | 3.19            | 99.3  |
| 625      | 3/25/2011 2:01  | 9.97   | 41.44  | 26.43        | 9.48    | 7.83 | 12.1              | 3.26            | 99.3  |
| 626      | 3/25/2011 2:16  | 9.98   | 42.14  | 26.92        | 9.44    | 7.90 | 12.8              | 3.36            | 99.3  |
| 627      | 3/25/2011 2:31  | 9.99   | 42.40  | 27.11        | 9.43    | 7.91 | 12.2              | 3.44            | 99.3  |
| 628      | 3/25/2011 2:46  | 9.99   | 43.05  | 27.57        | 9.42    | 7.91 | 12.8              | 3.52            | 99.5  |
| 629      | 3/25/2011 3:01  | 9.98   | 43.23  | 27.69        | 9.40    | 7.91 | 12.3              | 3.59            | 99.4  |
| 630      | 3/25/2011 3:16  | 9.96   | 43.42  | 27.83        | 9.42    | 7.92 | 13.2              | 3.66            | 99.7  |
| 631      | 3/25/2011 3:31  | 9.95   | 43.64  | 27.98        | 9.41    | 7.92 | 10.1              | 3.69            | 99.6  |
| 632      | 3/25/2011 3:46  | 9.94   | 43.65  | 27.99        | 9.45    | 7.85 | 9.8               | 3.77            | 100.0 |
| 633      | 3/25/2011 4:01  | 9.96   | 43.97  | 28.22        | 9.41    | 7.85 | 8.3               | 3.77            | 99.7  |
| 634      | 3/25/2011 4:16  | 9.93   | 43.87  | 28.15        | 9.33    | 7.92 | 5.9               | 3.82            | 98.8  |
| 635      | 3/25/2011 4:31  | 9.97   | 44.03  | 28.26        | 9.28    | 7.85 | 7.0               | 3.82            | 98.4  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 636      | 3/25/2011 4:46  | 9.97   | 44.17  | 28.36        | 9.32    | 7.85 | 7.6               | 3.84            | 98.9 |
| 637      | 3/25/2011 5:01  | 9.96   | 43.96  | 28.22        | 9.27    | 7.84 | 6.2               | 3.79            | 98.2 |
| 638      | 3/25/2011 5:16  | 9.96   | 43.88  | 28.15        | 9.34    | 7.84 | 9.3               | 3.75            | 99.0 |
| 639      | 3/25/2011 5:31  | 9.96   | 42.52  | 27.19        | 9.37    | 7.83 | 9.7               | 3.74            | 98.6 |
| 640      | 3/25/2011 5:46  | 9.96   | 43.04  | 27.56        | 9.38    | 7.91 | 13.6              | 3.67            | 99.0 |
| 641      | 3/25/2011 6:01  | 9.92   | 42.07  | 26.88        | 9.43    | 7.91 | 17.3              | 3.60            | 99.1 |
| 642      | 3/25/2011 6:16  | 9.90   | 41.41  | 26.41        | 9.45    | 7.90 | 20.1              | 3.55            | 98.9 |
| 643      | 3/25/2011 6:31  | 9.72   | 39.15  | 24.81        | 9.58    | 7.88 | 18.1              | 3.47            | 98.8 |
| 644      | 3/25/2011 6:46  | 9.54   | 37.06  | 23.36        | 9.74    | 7.87 | 10.9              | 3.37            | 99.2 |
| 645      | 3/25/2011 7:01  | 9.63   | 38.30  | 24.22        | 9.65    | 7.82 | 10.7              | 3.27            | 99.0 |
| 646      | 3/25/2011 7:16  | 9.65   | 38.40  | 24.29        | 9.64    | 7.87 | 11.6              | 3.15            | 99.0 |
| 647      | 3/25/2011 7:31  | 9.65   | 38.19  | 24.14        | 9.65    | 7.87 | 13.8              | 3.06            | 98.9 |
| 648      | 3/25/2011 7:46  | 9.66   | 37.92  | 23.95        | 9.66    | 7.87 | 12.5              | 2.95            | 99.0 |
| 649      | 3/25/2011 8:01  | 9.65   | 37.80  | 23.87        | 9.66    | 7.86 | 12.7              | 2.83            | 98.9 |
| 650      | 3/25/2011 8:16  | 9.65   | 38.26  | 24.19        | 9.64    | 7.87 | 12.6              | 2.73            | 98.9 |
| 651      | 3/25/2011 8:31  | 9.64   | 39.04  | 24.74        | 9.63    | 7.87 | 12.2              | 2.62            | 99.1 |
| 652      | 3/25/2011 8:46  | 9.63   | 38.08  | 24.07        | 9.67    | 7.86 | 14.2              | 2.49            | 99.0 |
| 653      | 3/25/2011 9:01  | 9.62   | 37.26  | 23.50        | 9.66    | 7.85 | 12.0              | 2.40            | 98.6 |
| 654      | 3/25/2011 9:16  | 9.61   | 37.86  | 23.92        | 9.64    | 7.81 | 12.0              | 2.27            | 98.6 |
| 655      | 3/25/2011 9:31  | 9.61   | 37.99  | 24.00        | 9.64    | 7.85 | 12.3              | 2.18            | 98.7 |
| 656      | 3/25/2011 9:46  | 9.59   | 37.27  | 23.50        | 9.63    | 7.85 | 12.6              | 2.06            | 98.3 |
| 657      | 3/25/2011 10:01 | 9.55   | 37.04  | 23.34        | 9.67    | 7.84 | 12.5              | 1.97            | 98.5 |
| 658      | 3/25/2011 10:16 | 9.53   | 36.84  | 23.20        | 9.69    | 7.84 | 12.5              | 1.87            | 98.5 |
| 659      | 3/25/2011 10:31 | 9.52   | 36.78  | 23.16        | 9.71    | 7.84 | 12.9              | 1.78            | 98.7 |
| 660      | 3/25/2011 10:46 | 9.50   | 36.62  | 23.05        | 9.72    | 7.84 | 14.8              | 1.69            | 98.7 |
| 661      | 3/25/2011 11:01 | 9.49   | 36.42  | 22.91        | 9.71    | 7.84 | 15.9              | 1.66            | 98.5 |
| 662      | 3/25/2011 11:16 | 9.48   | 36.36  | 22.87        | 9.70    | 7.84 | 14.1              | 1.59            | 98.3 |
| 663      | 3/25/2011 11:31 | 9.47   | 36.27  | 22.81        | 9.70    | 7.83 | 14.8              | 1.59            | 98.2 |
| 664      | 3/25/2011 11:46 | 9.49   | 36.37  | 22.88        | 9.69    | 7.84 | 10.9              | 1.59            | 98.2 |
| 665      | 3/25/2011 12:01 | 9.50   | 36.37  | 22.88        | 9.72    | 7.84 | 13.1              | 1.59            | 98.5 |
| 666      | 3/25/2011 12:16 | 9.52   | 36.32  | 22.84        | 9.73    | 7.84 | 11.3              | 1.62            | 98.6 |
| 667      | 3/25/2011 12:31 | 9.52   | 36.33  | 22.85        | 9.70    | 7.84 | 10.9              | 1.69            | 98.4 |
| 668      | 3/25/2011 12:46 | 9.53   | 36.22  | 22.77        | 9.69    | 7.80 | 11.5              | 1.74            | 98.3 |
| 669      | 3/25/2011 13:01 | 9.52   | 36.10  | 22.69        | 9.66    | 7.83 | 11.8              | 1.80            | 97.9 |
| 670      | 3/25/2011 13:16 | 9.52   | 36.02  | 22.63        | 9.65    | 7.82 | 12.6              | 1.89            | 97.7 |
| 671      | 3/25/2011 13:31 | 9.53   | 35.79  | 22.48        | 9.64    | 7.82 | 12.3              | 1.98            | 97.6 |
| 672      | 3/25/2011 13:46 | 9.54   | 35.89  | 22.55        | 9.62    | 7.82 | 11.8              | 2.03            | 97.5 |
| 673      | 3/25/2011 14:01 | 9.53   | 35.42  | 22.22        | 9.65    | 7.78 | 12.6              | 2.11            | 97.5 |
| 674      | 3/25/2011 14:16 | 9.54   | 35.46  | 22.25        | 9.66    | 7.81 | 12.1              | 2.19            | 97.6 |
| 675      | 3/25/2011 14:31 | 9.55   | 35.39  | 22.20        | 9.67    | 7.81 | 12.3              | 2.26            | 97.7 |
| 676      | 3/25/2011 14:46 | 9.54   | 35.23  | 22.09        | 9.75    | 7.82 | 12.5              | 2.33            | 98.5 |
| 677      | 3/25/2011 15:01 | 9.56   | 35.49  | 22.27        | 9.75    | 7.82 | 11.8              | 2.40            | 98.6 |
| 678      | 3/25/2011 15:16 | 9.56   | 35.56  | 22.32        | 9.76    | 7.82 | 12.6              | 2.47            | 98.8 |
| 679      | 3/25/2011 15:31 | 9.58   | 35.48  | 22.27        | 9.75    | 7.81 | 12.7              | 2.54            | 98.6 |
| 680      | 3/25/2011 15:46 | 9.58   | 35.85  | 22.52        | 9.72    | 7.82 | 13.3              | 2.62            | 98.5 |
| 681      | 3/25/2011 16:01 | 9.58   | 36.11  | 22.70        | 9.72    | 7.82 | 11.6              | 2.69            | 98.7 |
| 682      | 3/25/2011 16:16 | 9.59   | 36.63  | 23.06        | 9.69    | 7.83 | 11.1              | 2.76            | 98.6 |
| 683      | 3/25/2011 16:31 | 9.56   | 37.46  | 23.64        | 9.64    | 7.84 | 12.0              | 2.82            | 98.3 |
| 684      | 3/25/2011 16:46 | 9.60   | 37.52  | 23.68        | 9.62    | 7.84 | 15.7              | 2.89            | 98.3 |
| 685      | 3/25/2011 17:01 | 9.63   | 37.69  | 23.79        | 9.60    | 7.81 | 15.5              | 2.94            | 98.2 |
| 686      | 3/25/2011 17:16 | 9.65   | 37.73  | 23.82        | 9.60    | 7.81 | 12.6              | 3.00            | 98.3 |
| 687      | 3/25/2011 17:31 | 9.66   | 37.89  | 23.94        | 9.59    | 7.84 | 11.9              | 3.05            | 98.2 |
| 688      | 3/25/2011 17:46 | 9.66   | 38.15  | 24.11        | 9.55    | 7.85 | 9.0               | 3.12            | 97.9 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 689      | 3/25/2011 18:01 | 9.69   | 38.68  | 24.48        | 9.52    | 7.85 | 9.4        | 3.16   | 97.9  |
| 690      | 3/25/2011 18:16 | 9.69   | 38.89  | 24.63        | 9.55    | 7.86 | 9.0        | 3.20   | 98.4  |
| 691      | 3/25/2011 18:31 | 9.68   | 38.38  | 24.27        | 9.49    | 7.85 | 7.5        | 3.17   | 97.5  |
| 692      | 3/25/2011 18:46 | 9.69   | 39.17  | 24.82        | 9.49    | 7.85 | 8.4        | 3.19   | 97.8  |
| 693      | 3/25/2011 19:01 | 9.70   | 39.07  | 24.76        | 9.47    | 7.85 | 8.9        | 3.20   | 97.6  |
| 694      | 3/25/2011 19:16 | 9.69   | 38.64  | 24.46        | 9.46    | 7.85 | 7.2        | 3.16   | 97.3  |
| 695      | 3/25/2011 19:31 | 9.67   | 38.19  | 24.15        | 9.53    | 7.81 | 11.2       | 3.11   | 97.8  |
| 696      | 3/25/2011 19:46 | 9.64   | 37.72  | 23.82        | 9.55    | 7.80 | 13.2       | 3.10   | 97.7  |
| 697      | 3/25/2011 20:01 | 9.62   | 37.37  | 23.57        | 9.54    | 7.83 | 14.7       | 3.04   | 97.4  |
| 698      | 3/25/2011 20:16 | 9.63   | 36.66  | 23.08        | 9.61    | 7.83 | 21.7       | 2.99   | 97.8  |
| 699      | 3/25/2011 20:31 | 9.55   | 34.68  | 21.71        | 9.74    | 7.81 | 12.9       | 2.95   | 98.1  |
| 700      | 3/25/2011 20:46 | 9.57   | 34.61  | 21.67        | 9.73    | 7.77 | 13.4       | 2.88   | 98.0  |
| 701      | 3/25/2011 21:01 | 9.59   | 35.42  | 22.22        | 9.65    | 7.78 | 11.2       | 2.84   | 97.6  |
| 702      | 3/25/2011 21:16 | 9.60   | 36.39  | 22.89        | 9.56    | 7.79 | 8.9        | 2.78   | 97.1  |
| 703      | 3/25/2011 21:31 | 9.60   | 36.41  | 22.91        | 9.56    | 7.82 | 8.7        | 2.74   | 97.2  |
| 704      | 3/25/2011 21:46 | 9.61   | 36.30  | 22.83        | 9.56    | 7.82 | 8.1        | 2.72   | 97.2  |
| 705      | 3/25/2011 22:01 | 9.60   | 36.34  | 22.86        | 9.54    | 7.82 | 7.8        | 2.68   | 97.0  |
| 706      | 3/25/2011 22:16 | 9.56   | 34.91  | 21.87        | 9.61    | 7.81 | 8.5        | 2.66   | 96.9  |
| 707      | 3/25/2011 22:31 | 9.55   | 34.70  | 21.73        | 9.57    | 7.77 | 8.2        | 2.64   | 96.4  |
| 708      | 3/25/2011 22:46 | 9.57   | 35.13  | 22.02        | 9.57    | 7.78 | 8.1        | 2.61   | 96.6  |
| 709      | 3/25/2011 23:01 | 9.56   | 34.80  | 21.79        | 9.57    | 7.80 | 7.9        | 2.61   | 96.5  |
| 710      | 3/25/2011 23:16 | 9.54   | 34.37  | 21.50        | 9.64    | 7.80 | 10.3       | 2.62   | 97.0  |
| 711      | 3/25/2011 23:31 | 9.56   | 34.72  | 21.74        | 9.66    | 7.80 | 10.2       | 2.62   | 97.3  |
| 712      | 3/25/2011 23:46 | 9.57   | 35.41  | 22.21        | 9.62    | 7.81 | 8.9        | 2.60   | 97.3  |
| 713      | 3/26/2011 0:01  | 9.57   | 34.67  | 21.71        | 9.62    | 7.80 | 9.6        | 2.63   | 96.9  |
| 714      | 3/26/2011 0:16  | 9.58   | 35.57  | 22.33        | 9.61    | 7.79 | 8.7        | 2.65   | 97.3  |
| 715      | 3/26/2011 0:31  | 9.60   | 36.11  | 22.70        | 9.60    | 7.81 | 8.8        | 2.66   | 97.4  |
| 716      | 3/26/2011 0:46  | 9.62   | 36.62  | 23.05        | 9.59    | 7.82 | 8.6        | 2.70   | 97.6  |
| 717      | 3/26/2011 1:01  | 9.64   | 37.25  | 23.49        | 9.60    | 7.80 | 10.9       | 2.75   | 98.1  |
| 718      | 3/26/2011 1:16  | 9.65   | 37.38  | 23.58        | 9.63    | 7.81 | 10.7       | 2.80   | 98.4  |
| 719      | 3/26/2011 1:31  | 9.64   | 37.22  | 23.47        | 9.65    | 7.83 | 13.2       | 2.82   | 98.5  |
| 720      | 3/26/2011 1:46  | 9.66   | 37.75  | 23.84        | 9.65    | 7.84 | 11.0       | 2.88   | 98.8  |
| 721      | 3/26/2011 2:01  | 9.67   | 38.21  | 24.16        | 9.71    | 7.82 | 10.5       | 2.94   | 99.7  |
| 722      | 3/26/2011 2:16  | 9.72   | 39.98  | 25.39        | 9.75    | 7.84 | 11.8       | 3.00   | 100.9 |
| 723      | 3/26/2011 2:31  | 9.73   | 40.55  | 25.79        | 9.75    | 7.84 | 11.6       | 3.06   | 101.2 |
| 724      | 3/26/2011 2:46  | 9.71   | 40.06  | 25.45        | 9.78    | 7.88 | 14.5       | 3.13   | 101.3 |
| 725      | 3/26/2011 3:01  | 9.74   | 40.67  | 25.88        | 9.76    | 7.85 | 14.3       | 3.21   | 101.4 |
| 726      | 3/26/2011 3:16  | 9.74   | 40.51  | 25.77        | 9.77    | 7.88 | 15.0       | 3.28   | 101.5 |
| 727      | 3/26/2011 3:31  | 9.78   | 41.23  | 26.27        | 9.78    | 7.85 | 15.4       | 3.34   | 102.0 |
| 728      | 3/26/2011 3:46  | 9.81   | 41.87  | 26.73        | 9.76    | 7.86 | 15.1       | 3.40   | 102.1 |
| 729      | 3/26/2011 4:01  | 9.81   | 42.10  | 26.89        | 9.76    | 7.91 | 15.6       | 3.46   | 102.2 |
| 730      | 3/26/2011 4:16  | 9.78   | 41.86  | 26.71        | 9.78    | 7.91 | 14.2       | 3.51   | 102.2 |
| 731      | 3/26/2011 4:31  | 9.84   | 42.85  | 27.42        | 9.74    | 7.87 | 14.6       | 3.57   | 102.4 |
| 732      | 3/26/2011 4:46  | 9.87   | 43.52  | 27.90        | 9.71    | 7.93 | 12.6       | 3.60   | 102.5 |
| 733      | 3/26/2011 5:01  | 9.83   | 42.94  | 27.48        | 9.70    | 7.92 | 11.0       | 3.64   | 102.0 |
| 734      | 3/26/2011 5:16  | 9.85   | 43.10  | 27.59        | 9.57    | 7.92 | 8.2        | 3.67   | 100.8 |
| 735      | 3/26/2011 5:31  | 9.86   | 43.17  | 27.65        | 9.58    | 7.92 | 8.1        | 3.67   | 100.9 |
| 736      | 3/26/2011 5:46  | 9.80   | 42.25  | 26.99        | 9.63    | 7.91 | 8.0        | 3.67   | 100.9 |
| 737      | 3/26/2011 6:01  | 9.84   | 42.91  | 27.46        | 9.64    | 7.92 | 9.3        | 3.65   | 101.4 |
| 738      | 3/26/2011 6:16  | 9.85   | 43.12  | 27.61        | 9.62    | 7.92 | 9.1        | 3.62   | 101.3 |
| 739      | 3/26/2011 6:31  | 9.84   | 42.79  | 27.38        | 9.61    | 7.92 | 10.9       | 3.57   | 101.1 |
| 740      | 3/26/2011 6:46  | 9.80   | 42.37  | 27.08        | 9.70    | 7.92 | 18.0       | 3.51   | 101.8 |
| 741      | 3/26/2011 7:01  | 9.74   | 40.99  | 26.10        | 9.74    | 7.85 | 13.4       | 3.46   | 101.3 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 742      | 3/26/2011 7:16  | 9.70   | 40.44  | 25.72        | 9.74    | 7.84 | 15.9              | 3.39            | 101.0 |
| 743      | 3/26/2011 7:31  | 9.66   | 39.89  | 25.33        | 9.73    | 7.83 | 16.7              | 3.31            | 100.6 |
| 744      | 3/26/2011 7:46  | 9.19   | 35.04  | 21.95        | 9.97    | 7.84 | 15.3              | 3.24            | 99.8  |
| 745      | 3/26/2011 8:01  | 9.36   | 36.68  | 23.09        | 9.87    | 7.85 | 14.0              | 3.15            | 99.9  |
| 746      | 3/26/2011 8:16  | 9.38   | 36.61  | 23.04        | 9.86    | 7.85 | 13.6              | 3.07            | 99.8  |
| 747      | 3/26/2011 8:31  | 9.40   | 36.60  | 23.03        | 9.83    | 7.84 | 14.3              | 2.96            | 99.6  |
| 748      | 3/26/2011 8:46  | 9.42   | 36.68  | 23.09        | 9.81    | 7.81 | 16.0              | 2.88            | 99.4  |
| 749      | 3/26/2011 9:01  | 9.40   | 36.61  | 23.04        | 9.82    | 7.84 | 17.9              | 2.78            | 99.4  |
| 750      | 3/26/2011 9:16  | 9.39   | 36.35  | 22.86        | 9.81    | 7.83 | 15.0              | 2.69            | 99.2  |
| 751      | 3/26/2011 9:31  | 9.33   | 35.53  | 22.29        | 9.81    | 7.82 | 12.8              | 2.61            | 98.7  |
| 752      | 3/26/2011 9:46  | 9.39   | 36.18  | 22.74        | 9.77    | 7.83 | 15.4              | 2.50            | 98.7  |
| 753      | 3/26/2011 10:01 | 9.37   | 36.01  | 22.62        | 9.77    | 7.82 | 15.4              | 2.41            | 98.6  |
| 754      | 3/26/2011 10:16 | 9.35   | 35.65  | 22.38        | 9.81    | 7.82 | 14.3              | 2.32            | 98.8  |
| 755      | 3/26/2011 10:31 | 9.36   | 35.54  | 22.30        | 9.80    | 7.82 | 12.2              | 2.23            | 98.7  |
| 756      | 3/26/2011 10:46 | 9.37   | 35.31  | 22.14        | 9.81    | 7.82 | 10.1              | 2.12            | 98.7  |
| 757      | 3/26/2011 11:01 | 9.39   | 35.26  | 22.10        | 9.82    | 7.80 | 9.3               | 2.02            | 98.9  |
| 758      | 3/26/2011 11:16 | 9.40   | 35.29  | 22.13        | 9.81    | 7.79 | 9.3               | 1.95            | 98.8  |
| 759      | 3/26/2011 11:31 | 9.42   | 35.22  | 22.08        | 9.81    | 7.80 | 8.1               | 1.87            | 98.8  |
| 760      | 3/26/2011 11:46 | 9.42   | 35.65  | 22.37        | 9.73    | 7.82 | 6.8               | 1.79            | 98.1  |
| 761      | 3/26/2011 12:01 | 9.68   | 35.16  | 22.05        | 9.85    | 7.83 | 7.4               | 1.73            | 99.7  |
| 762      | 3/26/2011 12:16 | 9.71   | 34.92  | 21.89        | 9.94    | 7.80 | 9.7               | 1.71            | 100.6 |
| 763      | 3/26/2011 12:31 | 9.76   | 35.06  | 21.99        | 10.03   | 7.81 | 8.4               | 1.70            | 101.7 |
| 764      | 3/26/2011 12:46 | 9.70   | 35.11  | 22.01        | 10.00   | 7.83 | 8.3               | 1.69            | 101.3 |
| 765      | 3/26/2011 13:01 | 9.67   | 35.01  | 21.94        | 9.99    | 7.83 | 7.3               | 1.70            | 101.0 |
| 766      | 3/26/2011 13:16 | 9.70   | 34.98  | 21.93        | 10.00   | 7.80 | 10.7              | 1.74            | 101.2 |
| 767      | 3/26/2011 13:31 | 9.57   | 35.32  | 22.15        | 9.91    | 7.80 | 8.1               | 1.77            | 100.2 |
| 768      | 3/26/2011 13:46 | 9.59   | 34.74  | 21.76        | 9.95    | 7.81 | 8.5               | 1.81            | 100.3 |
| 769      | 3/26/2011 14:01 | 9.49   | 35.54  | 22.30        | 9.82    | 7.81 | 8.7               | 1.86            | 99.2  |
| 770      | 3/26/2011 14:16 | 9.51   | 35.39  | 22.20        | 9.82    | 7.81 | 9.2               | 1.92            | 99.2  |
| 771      | 3/26/2011 14:31 | 9.48   | 35.41  | 22.21        | 9.78    | 7.79 | 8.4               | 1.99            | 98.7  |
| 772      | 3/26/2011 14:46 | 9.49   | 35.11  | 22.01        | 9.80    | 7.79 | 9.5               | 2.04            | 98.8  |
| 773      | 3/26/2011 15:01 | 9.48   | 34.56  | 21.63        | 9.83    | 7.79 | 10.4              | 2.10            | 98.9  |
| 774      | 3/26/2011 15:16 | 9.48   | 34.40  | 21.52        | 9.83    | 7.79 | 10.1              | 2.17            | 98.8  |
| 775      | 3/26/2011 15:31 | 9.53   | 34.15  | 21.35        | 9.86    | 7.78 | 10.3              | 2.24            | 99.0  |
| 776      | 3/26/2011 15:46 | 9.65   | 33.97  | 21.23        | 9.93    | 7.78 | 12.6              | 2.32            | 100.0 |
| 777      | 3/26/2011 16:01 | 9.74   | 33.33  | 20.80        | 10.01   | 7.78 | 13.9              | 2.38            | 100.7 |
| 778      | 3/26/2011 16:16 | 9.82   | 33.15  | 20.67        | 10.04   | 7.78 | 17.3              | 2.46            | 101.1 |
| 779      | 3/26/2011 16:31 | 9.77   | 33.55  | 20.95        | 10.01   | 7.78 | 13.6              | 2.52            | 100.8 |
| 780      | 3/26/2011 16:46 | 9.74   | 33.95  | 21.22        | 9.98    | 7.79 | 11.8              | 2.59            | 100.7 |
| 781      | 3/26/2011 17:01 | 9.74   | 33.89  | 21.18        | 9.98    | 7.79 | 13.6              | 2.67            | 100.6 |
| 782      | 3/26/2011 17:16 | 9.65   | 34.88  | 21.85        | 9.91    | 7.79 | 11.9              | 2.73            | 100.2 |
| 783      | 3/26/2011 17:31 | 9.46   | 36.31  | 22.83        | 9.82    | 7.81 | 10.7              | 2.79            | 99.5  |
| 784      | 3/26/2011 17:46 | 9.53   | 36.34  | 22.85        | 9.81    | 7.81 | 10.9              | 2.85            | 99.5  |
| 785      | 3/26/2011 18:01 | 9.52   | 36.63  | 23.05        | 9.79    | 7.81 | 10.7              | 2.93            | 99.5  |
| 786      | 3/26/2011 18:16 | 9.54   | 37.18  | 23.44        | 9.76    | 7.83 | 10.3              | 2.96            | 99.4  |
| 787      | 3/26/2011 18:31 | 9.61   | 37.45  | 23.62        | 9.75    | 7.84 | 9.6               | 3.03            | 99.5  |
| 788      | 3/26/2011 18:46 | 9.62   | 37.69  | 23.80        | 9.76    | 7.84 | 9.4               | 3.08            | 99.8  |
| 789      | 3/26/2011 19:01 | 9.64   | 38.07  | 24.06        | 9.73    | 7.85 | 9.0               | 3.13            | 99.7  |
| 790      | 3/26/2011 19:16 | 9.70   | 37.34  | 23.55        | 9.74    | 7.84 | 8.2               | 3.15            | 99.7  |
| 791      | 3/26/2011 19:31 | 9.57   | 36.57  | 23.02        | 9.71    | 7.83 | 7.6               | 3.19            | 98.7  |
| 792      | 3/26/2011 19:46 | 9.62   | 37.84  | 23.90        | 9.71    | 7.84 | 7.5               | 3.20            | 99.3  |
| 793      | 3/26/2011 20:01 | 9.65   | 38.21  | 24.16        | 9.64    | 7.85 | 7.5               | 3.19            | 98.9  |
| 794      | 3/26/2011 20:16 | 9.61   | 37.73  | 23.82        | 9.69    | 7.82 | 7.4               | 3.17            | 99.1  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 795      | 3/26/2011 20:31 | 9.55   | 37.32  | 23.54        | 9.70    | 7.84 | 7.9               | 3.14            | 98.9  |
| 796      | 3/26/2011 20:46 | 9.59   | 37.44  | 23.62        | 9.65    | 7.84 | 7.3               | 3.13            | 98.6  |
| 797      | 3/26/2011 21:01 | 9.57   | 36.36  | 22.87        | 9.72    | 7.80 | 7.9               | 3.08            | 98.7  |
| 798      | 3/26/2011 21:16 | 9.62   | 36.41  | 22.91        | 9.75    | 7.80 | 9.4               | 3.05            | 99.1  |
| 799      | 3/26/2011 21:31 | 9.61   | 36.95  | 23.28        | 9.71    | 7.83 | 9.2               | 2.99            | 98.9  |
| 800      | 3/26/2011 21:46 | 9.61   | 36.36  | 22.88        | 9.73    | 7.82 | 9.2               | 2.95            | 98.9  |
| 801      | 3/26/2011 22:01 | 9.58   | 35.40  | 22.21        | 9.71    | 7.81 | 9.6               | 2.92            | 98.2  |
| 802      | 3/26/2011 22:16 | 9.56   | 35.35  | 22.17        | 9.74    | 7.79 | 9.0               | 2.87            | 98.4  |
| 803      | 3/26/2011 22:31 | 9.57   | 34.73  | 21.75        | 9.76    | 7.79 | 7.7               | 2.81            | 98.4  |
| 804      | 3/26/2011 22:46 | 9.56   | 35.00  | 21.93        | 9.77    | 7.78 | 8.9               | 2.79            | 98.6  |
| 805      | 3/26/2011 23:01 | 9.57   | 35.06  | 21.97        | 9.76    | 7.80 | 8.3               | 2.77            | 98.6  |
| 806      | 3/26/2011 23:16 | 9.56   | 34.95  | 21.90        | 9.74    | 7.80 | 7.0               | 2.72            | 98.3  |
| 807      | 3/26/2011 23:31 | 9.56   | 34.91  | 21.87        | 9.71    | 7.80 | 6.7               | 2.71            | 97.9  |
| 808      | 3/26/2011 23:46 | 9.55   | 34.31  | 21.46        | 9.73    | 7.79 | 6.8               | 2.69            | 97.9  |
| 809      | 3/27/2011 0:01  | 9.58   | 34.43  | 21.54        | 9.70    | 7.78 | 5.8               | 2.65            | 97.6  |
| 810      | 3/27/2011 0:16  | 9.59   | 34.53  | 21.61        | 9.75    | 7.80 | 6.7               | 2.62            | 98.2  |
| 811      | 3/27/2011 0:31  | 9.58   | 33.99  | 21.24        | 9.75    | 7.78 | 6.4               | 2.63            | 98.0  |
| 812      | 3/27/2011 0:46  | 9.59   | 33.86  | 21.15        | 9.75    | 7.79 | 6.1               | 2.62            | 98.0  |
| 813      | 3/27/2011 1:01  | 9.56   | 33.79  | 21.10        | 9.76    | 7.78 | 8.0               | 2.63            | 97.9  |
| 814      | 3/27/2011 1:16  | 9.57   | 33.76  | 21.09        | 9.86    | 7.79 | 7.4               | 2.64            | 98.9  |
| 815      | 3/27/2011 1:31  | 9.57   | 34.08  | 21.30        | 9.81    | 7.79 | 7.0               | 2.64            | 98.7  |
| 816      | 3/27/2011 1:46  | 9.60   | 33.91  | 21.19        | 9.84    | 7.79 | 7.8               | 2.68            | 98.9  |
| 817      | 3/27/2011 2:01  | 9.59   | 33.69  | 21.03        | 9.81    | 7.79 | 7.4               | 2.69            | 98.5  |
| 818      | 3/27/2011 2:16  | 9.59   | 35.08  | 21.99        | 9.78    | 7.79 | 7.1               | 2.73            | 98.8  |
| 819      | 3/27/2011 2:31  | 9.61   | 36.19  | 22.75        | 9.76    | 7.81 | 11.0              | 2.76            | 99.1  |
| 820      | 3/27/2011 2:46  | 9.61   | 36.26  | 22.80        | 9.77    | 7.81 | 8.2               | 2.83            | 99.2  |
| 821      | 3/27/2011 3:01  | 9.64   | 36.91  | 23.25        | 9.75    | 7.82 | 8.4               | 2.88            | 99.4  |
| 822      | 3/27/2011 3:16  | 9.65   | 36.88  | 23.24        | 9.76    | 7.82 | 9.5               | 2.92            | 99.6  |
| 823      | 3/27/2011 3:31  | 9.67   | 37.41  | 23.60        | 9.77    | 7.84 | 8.3               | 2.96            | 99.9  |
| 824      | 3/27/2011 3:46  | 9.71   | 38.36  | 24.27        | 9.76    | 7.85 | 9.0               | 3.01            | 100.3 |
| 825      | 3/27/2011 4:01  | 9.69   | 37.88  | 23.93        | 9.80    | 7.85 | 7.6               | 3.07            | 100.4 |
| 826      | 3/27/2011 4:16  | 9.78   | 40.41  | 25.70        | 9.70    | 7.88 | 7.9               | 3.15            | 100.8 |
| 827      | 3/27/2011 4:31  | 9.85   | 41.40  | 26.39        | 9.70    | 7.89 | 8.8               | 3.21            | 101.4 |
| 828      | 3/27/2011 4:46  | 9.86   | 41.44  | 26.42        | 9.70    | 7.90 | 8.9               | 3.26            | 101.5 |
| 829      | 3/27/2011 5:01  | 9.91   | 42.37  | 27.09        | 9.67    | 7.91 | 9.5               | 3.30            | 101.7 |
| 830      | 3/27/2011 5:16  | 9.92   | 42.10  | 26.90        | 9.70    | 7.91 | 9.2               | 3.35            | 101.8 |
| 831      | 3/27/2011 5:31  | 9.93   | 42.42  | 27.12        | 9.67    | 7.92 | 9.0               | 3.41            | 101.7 |
| 832      | 3/27/2011 5:46  | 9.97   | 43.05  | 27.57        | 9.65    | 7.92 | 9.2               | 3.43            | 101.9 |
| 833      | 3/27/2011 6:01  | 9.98   | 43.75  | 28.07        | 9.56    | 7.93 | 8.1               | 3.47            | 101.3 |
| 834      | 3/27/2011 6:16  | 9.92   | 42.76  | 27.36        | 9.57    | 7.88 | 7.4               | 3.50            | 100.8 |
| 835      | 3/27/2011 6:31  | 9.89   | 41.92  | 26.76        | 9.56    | 7.87 | 6.9               | 3.50            | 100.3 |
| 836      | 3/27/2011 6:46  | 9.92   | 42.48  | 27.16        | 9.54    | 7.87 | 6.7               | 3.51            | 100.4 |
| 837      | 3/27/2011 7:01  | 9.89   | 42.01  | 26.83        | 9.49    | 7.86 | 6.4               | 3.50            | 99.5  |
| 838      | 3/27/2011 7:16  | 9.94   | 43.00  | 27.53        | 9.47    | 7.92 | 6.7               | 3.50            | 99.9  |
| 839      | 3/27/2011 7:31  | 9.91   | 42.55  | 27.21        | 9.56    | 7.92 | 6.7               | 3.47            | 100.6 |
| 840      | 3/27/2011 7:46  | 9.89   | 41.69  | 26.60        | 9.54    | 7.91 | 7.3               | 3.41            | 99.9  |
| 841      | 3/27/2011 8:01  | 9.91   | 41.64  | 26.57        | 9.59    | 7.86 | 9.2               | 3.38            | 100.5 |
| 842      | 3/27/2011 8:16  | 9.82   | 40.20  | 25.55        | 9.62    | 7.91 | 8.2               | 3.34            | 100.0 |
| 843      | 3/27/2011 8:31  | 9.80   | 39.85  | 25.31        | 9.60    | 7.89 | 7.8               | 3.25            | 99.6  |
| 844      | 3/27/2011 8:46  | 9.68   | 37.60  | 23.73        | 9.66    | 7.82 | 8.5               | 3.18            | 98.9  |
| 845      | 3/27/2011 9:01  | 9.49   | 35.61  | 22.35        | 9.80    | 7.83 | 11.4              | 3.12            | 99.0  |
| 846      | 3/27/2011 9:16  | 9.51   | 36.03  | 22.64        | 9.84    | 7.84 | 9.0               | 3.05            | 99.6  |
| 847      | 3/27/2011 9:31  | 9.58   | 37.21  | 23.46        | 9.80    | 7.84 | 8.3               | 2.95            | 99.9  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 848      | 3/27/2011 9:46  | 9.59   | 37.42  | 23.61        | 9.80    | 7.85 | 9.8               | 2.86            | 100.0 |
| 849      | 3/27/2011 10:01 | 9.63   | 37.32  | 23.54        | 9.78    | 7.85 | 9.9               | 2.78            | 99.8  |
| 850      | 3/27/2011 10:16 | 9.59   | 36.45  | 22.93        | 9.81    | 7.84 | 9.3               | 2.69            | 99.7  |
| 851      | 3/27/2011 10:31 | 9.59   | 36.58  | 23.03        | 9.76    | 7.81 | 8.6               | 2.61            | 99.3  |
| 852      | 3/27/2011 10:46 | 9.60   | 36.68  | 23.09        | 9.75    | 7.83 | 9.8               | 2.51            | 99.2  |
| 853      | 3/27/2011 11:01 | 9.62   | 35.51  | 22.29        | 9.83    | 7.82 | 8.7               | 2.43            | 99.6  |
| 854      | 3/27/2011 11:16 | 9.63   | 35.77  | 22.47        | 9.83    | 7.83 | 9.5               | 2.36            | 99.7  |
| 855      | 3/27/2011 11:31 | 9.63   | 35.80  | 22.48        | 9.83    | 7.83 | 10.4              | 2.25            | 99.7  |
| 856      | 3/27/2011 11:46 | 9.63   | 36.07  | 22.68        | 9.77    | 7.83 | 11.2              | 2.16            | 99.2  |
| 857      | 3/27/2011 12:01 | 9.65   | 36.02  | 22.64        | 9.76    | 7.81 | 8.8               | 2.10            | 99.1  |
| 858      | 3/27/2011 12:16 | 9.68   | 35.79  | 22.49        | 9.79    | 7.83 | 7.8               | 2.02            | 99.4  |
| 859      | 3/27/2011 12:31 | 9.70   | 36.27  | 22.82        | 9.74    | 7.83 | 7.8               | 1.96            | 99.2  |
| 860      | 3/27/2011 12:46 | 9.72   | 36.10  | 22.70        | 9.75    | 7.83 | 7.0               | 1.90            | 99.3  |
| 861      | 3/27/2011 13:01 | 9.73   | 36.04  | 22.66        | 9.72    | 7.83 | 5.9               | 1.83            | 98.9  |
| 862      | 3/27/2011 13:16 | 9.88   | 34.66  | 21.71        | 10.04   | 7.85 | 8.7               | 1.80            | 101.9 |
| 863      | 3/27/2011 13:31 | 9.77   | 35.01  | 21.95        | 9.88    | 7.83 | 7.1               | 1.74            | 100.2 |
| 864      | 3/27/2011 13:46 | 9.89   | 34.62  | 21.68        | 9.94    | 7.84 | 10.1              | 1.74            | 100.9 |
| 865      | 3/27/2011 14:01 | 9.87   | 34.65  | 21.70        | 10.11   | 7.83 | 9.6               | 1.76            | 102.6 |
| 866      | 3/27/2011 14:16 | 9.85   | 35.25  | 22.12        | 9.90    | 7.85 | 8.2               | 1.76            | 100.7 |
| 867      | 3/27/2011 14:31 | 9.92   | 34.75  | 21.78        | 10.05   | 7.83 | 6.4               | 1.77            | 102.1 |
| 868      | 3/27/2011 14:46 | 10.00  | 34.47  | 21.59        | 10.04   | 7.84 | 6.0               | 1.82            | 102.1 |
| 869      | 3/27/2011 15:01 | 9.90   | 35.07  | 22.00        | 9.93    | 7.83 | 5.7               | 1.88            | 101.0 |
| 870      | 3/27/2011 15:16 | 9.74   | 36.02  | 22.64        | 9.77    | 7.84 | 6.9               | 1.94            | 99.5  |
| 871      | 3/27/2011 15:31 | 9.79   | 35.19  | 22.07        | 9.83    | 7.81 | 7.6               | 1.98            | 99.8  |
| 872      | 3/27/2011 15:46 | 9.72   | 35.84  | 22.52        | 9.74    | 7.82 | 6.5               | 2.05            | 99.0  |
| 873      | 3/27/2011 16:01 | 9.75   | 35.08  | 21.99        | 9.85    | 7.81 | 7.0               | 2.13            | 99.9  |
| 874      | 3/27/2011 16:16 | 9.76   | 34.82  | 21.82        | 9.90    | 7.82 | 7.8               | 2.18            | 100.3 |
| 875      | 3/27/2011 16:31 | 9.74   | 34.65  | 21.70        | 9.84    | 7.81 | 9.6               | 2.25            | 99.6  |
| 876      | 3/27/2011 16:46 | 9.74   | 34.78  | 21.79        | 9.81    | 7.81 | 7.0               | 2.32            | 99.3  |
| 877      | 3/27/2011 17:01 | 9.77   | 34.27  | 21.44        | 9.89    | 7.81 | 8.1               | 2.38            | 100.0 |
| 878      | 3/27/2011 17:16 | 9.81   | 34.07  | 21.31        | 9.92    | 7.81 | 8.1               | 2.46            | 100.3 |
| 879      | 3/27/2011 17:31 | 9.78   | 34.61  | 21.68        | 9.85    | 7.81 | 7.9               | 2.51            | 99.7  |
| 880      | 3/27/2011 17:46 | 9.70   | 35.76  | 22.47        | 9.75    | 7.81 | 7.6               | 2.58            | 99.1  |
| 881      | 3/27/2011 18:01 | 9.69   | 36.60  | 23.05        | 9.72    | 7.82 | 10.5              | 2.65            | 99.1  |
| 882      | 3/27/2011 18:16 | 9.70   | 36.96  | 23.29        | 9.72    | 7.85 | 8.5               | 2.71            | 99.3  |
| 883      | 3/27/2011 18:31 | 9.71   | 37.53  | 23.69        | 9.70    | 7.84 | 8.4               | 2.78            | 99.4  |
| 884      | 3/27/2011 18:46 | 9.72   | 37.58  | 23.72        | 9.69    | 7.85 | 9.1               | 2.84            | 99.3  |
| 885      | 3/27/2011 19:01 | 9.75   | 38.27  | 24.20        | 9.67    | 7.85 | 9.6               | 2.90            | 99.5  |
| 886      | 3/27/2011 19:16 | 9.78   | 38.60  | 24.44        | 9.66    | 7.85 | 9.6               | 2.97            | 99.6  |
| 887      | 3/27/2011 19:31 | 9.82   | 38.90  | 24.65        | 9.66    | 7.85 | 10.2              | 3.03            | 99.8  |
| 888      | 3/27/2011 19:46 | 9.85   | 39.09  | 24.78        | 9.65    | 7.85 | 9.3               | 3.08            | 99.8  |
| 889      | 3/27/2011 20:01 | 9.87   | 38.75  | 24.54        | 9.71    | 7.86 | 9.0               | 3.14            | 100.3 |
| 890      | 3/27/2011 20:16 | 9.88   | 39.29  | 24.92        | 9.63    | 7.87 | 8.4               | 3.18            | 99.8  |
| 891      | 3/27/2011 20:31 | 9.93   | 38.93  | 24.67        | 9.69    | 7.88 | 8.7               | 3.20            | 100.3 |
| 892      | 3/27/2011 20:46 | 9.83   | 39.01  | 24.72        | 9.55    | 7.86 | 6.8               | 3.24            | 98.7  |
| 893      | 3/27/2011 21:01 | 9.86   | 39.28  | 24.91        | 9.58    | 7.87 | 8.7               | 3.24            | 99.2  |
| 894      | 3/27/2011 21:16 | 9.88   | 39.25  | 24.89        | 9.55    | 7.87 | 6.6               | 3.23            | 99.0  |
| 895      | 3/27/2011 21:31 | 9.87   | 38.99  | 24.71        | 9.62    | 7.87 | 7.3               | 3.23            | 99.5  |
| 896      | 3/27/2011 21:46 | 9.82   | 38.80  | 24.58        | 9.57    | 7.87 | 7.1               | 3.20            | 98.8  |
| 897      | 3/27/2011 22:01 | 9.81   | 37.46  | 23.64        | 9.68    | 7.86 | 8.7               | 3.16            | 99.3  |
| 898      | 3/27/2011 22:16 | 9.81   | 35.76  | 22.47        | 9.80    | 7.82 | 9.8               | 3.12            | 99.8  |
| 899      | 3/27/2011 22:31 | 9.84   | 36.69  | 23.11        | 9.75    | 7.85 | 12.6              | 3.08            | 99.8  |
| 900      | 3/27/2011 22:46 | 9.76   | 34.88  | 21.86        | 9.82    | 7.83 | 7.8               | 3.03            | 99.5  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 901      | 3/27/2011 23:01 | 9.76   | 35.42  | 22.23        | 9.78    | 7.83 | 8.7        | 2.98   | 99.3  |
| 902      | 3/27/2011 23:16 | 9.75   | 34.78  | 21.79        | 9.83    | 7.82 | 6.7        | 2.93   | 99.5  |
| 903      | 3/27/2011 23:31 | 9.74   | 34.47  | 21.58        | 9.82    | 7.82 | 6.3        | 2.86   | 99.2  |
| 904      | 3/27/2011 23:46 | 9.75   | 34.61  | 21.68        | 9.89    | 7.82 | 6.5        | 2.80   | 100.1 |
| 905      | 3/28/2011 0:01  | 9.74   | 34.72  | 21.75        | 9.88    | 7.84 | 6.6        | 2.78   | 100.0 |
| 906      | 3/28/2011 0:16  | 9.74   | 34.97  | 21.92        | 9.83    | 7.82 | 6.2        | 2.72   | 99.6  |
| 907      | 3/28/2011 0:31  | 9.75   | 35.07  | 21.99        | 9.78    | 7.82 | 6.3        | 2.68   | 99.2  |
| 908      | 3/28/2011 0:46  | 9.72   | 34.73  | 21.75        | 9.80    | 7.82 | 6.1        | 2.66   | 99.2  |
| 909      | 3/28/2011 1:01  | 9.73   | 34.77  | 21.78        | 9.75    | 7.82 | 5.5        | 2.63   | 98.7  |
| 910      | 3/28/2011 1:16  | 9.77   | 35.85  | 22.53        | 9.67    | 7.82 | 5.6        | 2.60   | 98.4  |
| 911      | 3/28/2011 1:31  | 9.76   | 35.18  | 22.06        | 9.63    | 7.81 | 5.1        | 2.58   | 97.7  |
| 912      | 3/28/2011 1:46  | 9.73   | 34.68  | 21.72        | 9.66    | 7.81 | 5.3        | 2.58   | 97.7  |
| 913      | 3/28/2011 2:01  | 9.76   | 34.60  | 21.67        | 9.61    | 7.81 | 4.8        | 2.58   | 97.2  |
| 914      | 3/28/2011 2:16  | 9.72   | 34.27  | 21.44        | 9.74    | 7.81 | 6.5        | 2.56   | 98.3  |
| 915      | 3/28/2011 2:31  | 9.77   | 34.58  | 21.66        | 9.84    | 7.82 | 5.7        | 2.57   | 99.6  |
| 916      | 3/28/2011 2:46  | 9.77   | 34.90  | 21.87        | 9.77    | 7.81 | 5.9        | 2.59   | 99.0  |
| 917      | 3/28/2011 3:01  | 9.77   | 34.52  | 21.61        | 9.83    | 7.81 | 5.8        | 2.61   | 99.5  |
| 918      | 3/28/2011 3:16  | 9.77   | 34.92  | 21.89        | 9.78    | 7.81 | 6.8        | 2.63   | 99.1  |
| 919      | 3/28/2011 3:31  | 9.78   | 35.40  | 22.22        | 9.76    | 7.82 | 6.0        | 2.67   | 99.2  |
| 920      | 3/28/2011 3:46  | 9.80   | 36.44  | 22.94        | 9.69    | 7.83 | 6.5        | 2.71   | 99.0  |
| 921      | 3/28/2011 4:01  | 9.81   | 36.93  | 23.28        | 9.67    | 7.83 | 6.7        | 2.74   | 99.0  |
| 922      | 3/28/2011 4:16  | 9.81   | 36.55  | 23.01        | 9.72    | 7.83 | 8.1        | 2.79   | 99.3  |
| 923      | 3/28/2011 4:31  | 9.83   | 36.85  | 23.22        | 9.73    | 7.86 | 8.6        | 2.84   | 99.6  |
| 924      | 3/28/2011 4:46  | 9.86   | 37.88  | 23.94        | 9.69    | 7.85 | 7.9        | 2.89   | 99.8  |
| 925      | 3/28/2011 5:01  | 9.89   | 38.48  | 24.36        | 9.71    | 7.86 | 9.6        | 2.95   | 100.2 |
| 926      | 3/28/2011 5:16  | 9.92   | 39.10  | 24.79        | 9.70    | 7.86 | 8.7        | 3.00   | 100.5 |
| 927      | 3/28/2011 5:31  | 9.95   | 39.65  | 25.18        | 9.72    | 7.88 | 8.6        | 3.06   | 101.0 |
| 928      | 3/28/2011 5:46  | 9.94   | 39.36  | 24.97        | 9.75    | 7.88 | 7.5        | 3.12   | 101.2 |
| 929      | 3/28/2011 6:01  | 9.95   | 39.48  | 25.05        | 9.75    | 7.88 | 7.1        | 3.19   | 101.3 |
| 930      | 3/28/2011 6:16  | 9.96   | 39.75  | 25.25        | 9.73    | 7.89 | 7.9        | 3.25   | 101.2 |
| 931      | 3/28/2011 6:31  | 9.99   | 39.92  | 25.37        | 9.74    | 7.87 | 7.4        | 3.30   | 101.5 |
| 932      | 3/28/2011 6:46  | 10.01  | 40.72  | 25.93        | 9.71    | 7.90 | 7.5        | 3.34   | 101.6 |
| 933      | 3/28/2011 7:01  | 10.01  | 40.71  | 25.92        | 9.73    | 7.90 | 7.3        | 3.38   | 101.7 |
| 934      | 3/28/2011 7:16  | 9.96   | 39.49  | 25.07        | 9.75    | 7.89 | 6.3        | 3.43   | 101.2 |
| 935      | 3/28/2011 7:31  | 10.00  | 40.41  | 25.71        | 9.65    | 7.88 | 6.6        | 3.45   | 100.8 |
| 936      | 3/28/2011 7:46  | 10.00  | 40.46  | 25.74        | 9.60    | 7.89 | 6.1        | 3.47   | 100.2 |
| 937      | 3/28/2011 8:01  | 10.04  | 41.53  | 26.50        | 9.46    | 7.90 | 5.6        | 3.47   | 99.4  |
| 938      | 3/28/2011 8:16  | 9.97   | 40.10  | 25.49        | 9.58    | 7.89 | 5.4        | 3.46   | 99.8  |
| 939      | 3/28/2011 8:31  | 10.00  | 40.79  | 25.98        | 9.55    | 7.90 | 5.5        | 3.44   | 99.9  |
| 940      | 3/28/2011 8:46  | 10.00  | 40.51  | 25.78        | 9.57    | 7.90 | 6.2        | 3.42   | 100.0 |
| 941      | 3/28/2011 9:01  | 10.02  | 40.90  | 26.06        | 9.53    | 7.90 | 7.6        | 3.37   | 99.8  |
| 942      | 3/28/2011 9:16  | 9.95   | 39.23  | 24.88        | 9.64    | 7.89 | 7.2        | 3.33   | 100.1 |
| 943      | 3/28/2011 9:31  | 9.80   | 36.13  | 22.72        | 9.68    | 7.84 | 7.1        | 3.29   | 98.7  |
| 944      | 3/28/2011 9:46  | 9.82   | 36.51  | 22.99        | 9.71    | 7.85 | 6.0        | 3.21   | 99.2  |
| 945      | 3/28/2011 10:01 | 9.89   | 37.22  | 23.48        | 9.70    | 7.85 | 11.7       | 3.13   | 99.6  |
| 946      | 3/28/2011 10:16 | 9.91   | 38.23  | 24.18        | 9.65    | 7.86 | 10.3       | 3.07   | 99.6  |
| 947      | 3/28/2011 10:31 | 9.90   | 37.79  | 23.88        | 9.67    | 7.86 | 10.3       | 3.00   | 99.6  |
| 948      | 3/28/2011 10:46 | 9.86   | 37.53  | 23.69        | 9.69    | 7.84 | 9.7        | 2.91   | 99.6  |
| 949      | 3/28/2011 11:01 | 9.87   | 37.42  | 23.62        | 9.71    | 7.85 | 8.9        | 2.82   | 99.8  |
| 950      | 3/28/2011 11:16 | 9.91   | 37.23  | 23.49        | 9.72    | 7.85 | 7.4        | 2.73   | 99.9  |
| 951      | 3/28/2011 11:31 | 9.99   | 37.06  | 23.37        | 9.75    | 7.84 | 7.2        | 2.63   | 100.2 |
| 952      | 3/28/2011 11:46 | 10.05  | 36.82  | 23.21        | 9.78    | 7.86 | 7.0        | 2.55   | 100.6 |
| 953      | 3/28/2011 12:01 | 10.14  | 36.69  | 23.12        | 9.81    | 7.84 | 6.7        | 2.47   | 101.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 954      | 3/28/2011 12:16 | 10.26  | 36.24  | 22.82        | 9.86    | 7.84 | 6.3               | 2.38            | 101.6 |
| 955      | 3/28/2011 12:31 | 10.28  | 36.45  | 22.96        | 9.86    | 7.86 | 6.5               | 2.27            | 101.7 |
| 956      | 3/28/2011 12:46 | 10.18  | 36.52  | 23.01        | 9.83    | 7.84 | 6.5               | 2.18            | 101.3 |
| 957      | 3/28/2011 13:01 | 10.52  | 35.63  | 22.41        | 9.90    | 7.86 | 5.9               | 2.12            | 102.4 |
| 958      | 3/28/2011 13:16 | 10.67  | 35.33  | 22.20        | 9.90    | 7.87 | 5.8               | 1.98            | 102.6 |
| 959      | 3/28/2011 13:31 | 10.86  | 34.90  | 21.91        | 10.07   | 7.88 | 5.4               | 1.92            | 104.6 |
| 960      | 3/28/2011 13:46 | 10.86  | 34.87  | 21.89        | 10.14   | 7.85 | 5.0               | 1.90            | 105.3 |
| 961      | 3/28/2011 14:01 | 10.99  | 34.70  | 21.78        | 10.16   | 7.89 | 5.0               | 1.83            | 105.8 |
| 962      | 3/28/2011 14:16 | 10.92  | 34.72  | 21.79        | 10.10   | 7.89 | 4.8               | 1.83            | 104.9 |
| 963      | 3/28/2011 14:31 | 11.25  | 34.54  | 21.68        | 10.18   | 7.90 | 5.1               | 1.74            | 106.5 |
| 964      | 3/28/2011 14:46 | 10.91  | 34.67  | 21.76        | 10.12   | 7.86 | 5.1               | 1.71            | 105.1 |
| 965      | 3/28/2011 15:01 | 11.59  | 34.82  | 21.88        | 10.23   | 7.89 | 6.0               | 1.73            | 107.9 |
| 966      | 3/28/2011 15:16 | 11.35  | 34.93  | 21.95        | 10.23   | 7.89 | 6.0               | 1.74            | 107.4 |
| 967      | 3/28/2011 15:31 | 11.39  | 34.46  | 21.63        | 10.36   | 7.90 | 5.3               | 1.77            | 108.7 |
| 968      | 3/28/2011 15:46 | 11.22  | 34.44  | 21.61        | 10.40   | 7.91 | 4.8               | 1.79            | 108.7 |
| 969      | 3/28/2011 16:01 | 11.35  | 34.52  | 21.67        | 10.33   | 7.90 | 5.1               | 1.80            | 108.3 |
| 970      | 3/28/2011 16:16 | 10.71  | 35.42  | 22.27        | 10.04   | 7.87 | 5.9               | 1.88            | 104.2 |
| 971      | 3/28/2011 16:31 | 10.45  | 35.59  | 22.37        | 9.98    | 7.87 | 5.6               | 1.97            | 103.0 |
| 972      | 3/28/2011 16:46 | 10.73  | 35.11  | 22.06        | 9.94    | 7.88 | 5.4               | 2.02            | 103.1 |
| 973      | 3/28/2011 17:01 | 10.77  | 34.89  | 21.91        | 10.03   | 7.84 | 5.8               | 2.04            | 103.9 |
| 974      | 3/28/2011 17:16 | 10.52  | 35.20  | 22.11        | 10.00   | 7.86 | 5.9               | 2.14            | 103.2 |
| 975      | 3/28/2011 17:31 | 10.70  | 34.48  | 21.62        | 10.10   | 7.86 | 7.0               | 2.24            | 104.3 |
| 976      | 3/28/2011 17:46 | 10.56  | 34.39  | 21.55        | 9.98    | 7.85 | 8.0               | 2.31            | 102.8 |
| 977      | 3/28/2011 18:01 | 10.53  | 34.36  | 21.53        | 9.97    | 7.85 | 6.9               | 2.36            | 102.5 |
| 978      | 3/28/2011 18:16 | 10.44  | 34.84  | 21.85        | 9.96    | 7.85 | 6.3               | 2.46            | 102.4 |
| 979      | 3/28/2011 18:31 | 10.34  | 35.19  | 22.10        | 9.88    | 7.86 | 6.4               | 2.52            | 101.6 |
| 980      | 3/28/2011 18:46 | 10.19  | 36.14  | 22.74        | 9.82    | 7.84 | 7.3               | 2.58            | 101.0 |
| 981      | 3/28/2011 19:01 | 10.22  | 36.24  | 22.82        | 9.82    | 7.86 | 7.4               | 2.65            | 101.2 |
| 982      | 3/28/2011 19:16 | 10.22  | 36.48  | 22.98        | 9.80    | 7.87 | 7.7               | 2.75            | 101.1 |
| 983      | 3/28/2011 19:31 | 10.19  | 37.35  | 23.58        | 9.74    | 7.88 | 8.7               | 2.83            | 100.8 |
| 984      | 3/28/2011 19:46 | 10.18  | 37.64  | 23.79        | 9.74    | 7.88 | 10.6              | 2.88            | 100.9 |
| 985      | 3/28/2011 20:01 | 10.18  | 37.94  | 23.99        | 9.74    | 7.89 | 12.5              | 2.94            | 101.0 |
| 986      | 3/28/2011 20:16 | 10.16  | 38.62  | 24.47        | 9.72    | 7.89 | 11.5              | 3.04            | 101.0 |
| 987      | 3/28/2011 20:31 | 10.16  | 39.00  | 24.73        | 9.72    | 7.88 | 11.2              | 3.09            | 101.2 |
| 988      | 3/28/2011 20:46 | 10.21  | 39.02  | 24.75        | 9.73    | 7.87 | 11.5              | 3.15            | 101.4 |
| 989      | 3/28/2011 21:01 | 10.23  | 39.42  | 25.03        | 9.75    | 7.88 | 11.4              | 3.19            | 101.8 |
| 990      | 3/28/2011 21:16 | 10.25  | 39.45  | 25.05        | 9.74    | 7.90 | 10.8              | 3.24            | 101.8 |
| 991      | 3/28/2011 21:31 | 10.30  | 39.06  | 24.78        | 9.74    | 7.88 | 9.3               | 3.27            | 101.8 |
| 992      | 3/28/2011 21:46 | 10.23  | 39.16  | 24.84        | 9.63    | 7.87 | 7.8               | 3.30            | 100.5 |
| 993      | 3/28/2011 22:01 | 10.24  | 39.16  | 24.85        | 9.60    | 7.88 | 6.8               | 3.33            | 100.2 |
| 994      | 3/28/2011 22:16 | 10.22  | 39.63  | 25.17        | 9.62    | 7.89 | 8.6               | 3.30            | 100.6 |
| 995      | 3/28/2011 22:31 | 10.29  | 38.01  | 24.05        | 9.68    | 7.88 | 7.3               | 3.28            | 100.6 |
| 996      | 3/28/2011 22:46 | 10.25  | 39.05  | 24.77        | 9.67    | 7.88 | 9.5               | 3.24            | 100.9 |
| 997      | 3/28/2011 23:01 | 10.42  | 36.07  | 22.71        | 9.83    | 7.88 | 10.3              | 3.18            | 101.6 |
| 998      | 3/28/2011 23:16 | 10.33  | 37.37  | 23.60        | 9.74    | 7.87 | 11.0              | 3.14            | 101.1 |
| 999      | 3/28/2011 23:31 | 10.36  | 37.34  | 23.59        | 9.73    | 7.87 | 12.0              | 3.07            | 101.1 |
| 1000     | 3/28/2011 23:46 | 10.35  | 36.72  | 23.15        | 9.75    | 7.88 | 11.1              | 3.01            | 100.9 |
| 1001     | 3/29/2011 0:01  | 10.44  | 35.71  | 22.46        | 9.84    | 7.84 | 8.7               | 2.94            | 101.7 |
| 1002     | 3/29/2011 0:16  | 10.49  | 35.15  | 22.07        | 9.86    | 7.85 | 7.1               | 2.88            | 101.7 |
| 1003     | 3/29/2011 0:31  | 10.52  | 34.82  | 21.85        | 9.85    | 7.87 | 6.6               | 2.83            | 101.5 |
| 1004     | 3/29/2011 0:46  | 10.49  | 35.00  | 21.97        | 9.82    | 7.86 | 6.5               | 2.75            | 101.2 |
| 1005     | 3/29/2011 1:01  | 10.49  | 34.95  | 21.94        | 9.83    | 7.86 | 6.6               | 2.70            | 101.3 |
| 1006     | 3/29/2011 1:16  | 10.47  | 35.00  | 21.97        | 9.78    | 7.86 | 6.3               | 2.66            | 100.8 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1007     | 3/29/2011 1:31  | 10.44  | 35.31  | 22.18        | 9.75    | 7.83 | 6.2        | 2.59   | 100.5 |
| 1008     | 3/29/2011 1:46  | 10.48  | 34.98  | 21.95        | 9.74    | 7.86 | 6.4        | 2.55   | 100.4 |
| 1009     | 3/29/2011 2:01  | 10.62  | 34.27  | 21.47        | 9.80    | 7.86 | 5.6        | 2.54   | 101.0 |
| 1010     | 3/29/2011 2:16  | 10.63  | 34.13  | 21.38        | 9.80    | 7.87 | 5.7        | 2.48   | 101.0 |
| 1011     | 3/29/2011 2:31  | 10.59  | 34.48  | 21.62        | 9.73    | 7.87 | 5.2        | 2.45   | 100.3 |
| 1012     | 3/29/2011 2:46  | 10.44  | 35.50  | 22.31        | 9.58    | 7.86 | 4.6        | 2.46   | 98.9  |
| 1013     | 3/29/2011 3:01  | 10.53  | 34.83  | 21.85        | 9.63    | 7.85 | 4.9        | 2.42   | 99.3  |
| 1014     | 3/29/2011 3:16  | 10.62  | 34.27  | 21.47        | 9.80    | 7.86 | 5.4        | 2.42   | 101.0 |
| 1015     | 3/29/2011 3:31  | 10.54  | 34.66  | 21.74        | 9.79    | 7.84 | 5.4        | 2.43   | 100.8 |
| 1016     | 3/29/2011 3:46  | 10.59  | 34.43  | 21.58        | 9.87    | 7.87 | 5.1        | 2.44   | 101.7 |
| 1017     | 3/29/2011 4:01  | 10.62  | 34.34  | 21.52        | 9.90    | 7.87 | 5.1        | 2.47   | 102.1 |
| 1018     | 3/29/2011 4:16  | 10.65  | 34.18  | 21.41        | 9.91    | 7.87 | 4.9        | 2.46   | 102.2 |
| 1019     | 3/29/2011 4:31  | 10.38  | 35.92  | 22.60        | 9.69    | 7.86 | 6.4        | 2.52   | 100.1 |
| 1020     | 3/29/2011 4:46  | 10.42  | 35.66  | 22.42        | 9.74    | 7.86 | 7.2        | 2.55   | 100.5 |
| 1021     | 3/29/2011 5:01  | 10.37  | 36.24  | 22.82        | 9.70    | 7.86 | 9.0        | 2.61   | 100.3 |
| 1022     | 3/29/2011 5:16  | 10.41  | 36.14  | 22.75        | 9.72    | 7.84 | 9.0        | 2.65   | 100.5 |
| 1023     | 3/29/2011 5:31  | 10.40  | 36.77  | 23.19        | 9.74    | 7.87 | 8.6        | 2.71   | 100.9 |
| 1024     | 3/29/2011 5:46  | 10.40  | 37.15  | 23.46        | 9.74    | 7.88 | 8.7        | 2.75   | 101.1 |
| 1025     | 3/29/2011 6:01  | 10.41  | 37.91  | 23.98        | 9.80    | 7.89 | 9.6        | 2.82   | 102.1 |
| 1026     | 3/29/2011 6:16  | 10.45  | 39.26  | 24.93        | 9.81    | 7.91 | 9.7        | 2.88   | 102.9 |
| 1027     | 3/29/2011 6:31  | 10.46  | 39.38  | 25.01        | 9.81    | 7.88 | 9.5        | 2.95   | 103.0 |
| 1028     | 3/29/2011 6:46  | 10.48  | 39.48  | 25.08        | 9.83    | 7.88 | 8.9        | 3.02   | 103.3 |
| 1029     | 3/29/2011 7:01  | 10.49  | 39.50  | 25.10        | 9.83    | 7.91 | 8.9        | 3.08   | 103.4 |
| 1030     | 3/29/2011 7:16  | 10.50  | 39.49  | 25.09        | 9.83    | 7.88 | 8.9        | 3.14   | 103.3 |
| 1031     | 3/29/2011 7:31  | 10.49  | 38.76  | 24.58        | 9.83    | 7.88 | 8.1        | 3.20   | 103.0 |
| 1032     | 3/29/2011 7:46  | 10.52  | 39.98  | 25.43        | 9.83    | 7.91 | 8.5        | 3.25   | 103.6 |
| 1033     | 3/29/2011 8:01  | 10.53  | 40.25  | 25.62        | 9.82    | 7.89 | 8.0        | 3.30   | 103.7 |
| 1034     | 3/29/2011 8:16  | 10.55  | 40.96  | 26.12        | 9.81    | 7.91 | 8.3        | 3.35   | 104.0 |
| 1035     | 3/29/2011 8:31  | 10.55  | 40.57  | 25.85        | 9.83    | 7.92 | 7.7        | 3.39   | 104.0 |
| 1036     | 3/29/2011 8:46  | 10.54  | 40.52  | 25.81        | 9.76    | 7.91 | 7.2        | 3.41   | 103.1 |
| 1037     | 3/29/2011 9:01  | 10.51  | 40.25  | 25.62        | 9.65    | 7.91 | 5.6        | 3.44   | 101.8 |
| 1038     | 3/29/2011 9:16  | 10.52  | 40.53  | 25.82        | 9.59    | 7.88 | 5.8        | 3.46   | 101.3 |
| 1039     | 3/29/2011 9:31  | 10.55  | 41.08  | 26.21        | 9.67    | 7.88 | 6.8        | 3.43   | 102.5 |
| 1040     | 3/29/2011 9:46  | 10.56  | 41.40  | 26.43        | 9.72    | 7.91 | 6.6        | 3.43   | 103.2 |
| 1041     | 3/29/2011 10:01 | 10.53  | 40.44  | 25.76        | 9.69    | 7.90 | 7.0        | 3.39   | 102.4 |
| 1042     | 3/29/2011 10:16 | 10.45  | 35.72  | 22.46        | 9.72    | 7.83 | 7.8        | 3.36   | 100.4 |
| 1043     | 3/29/2011 10:31 | 10.53  | 38.94  | 24.70        | 9.78    | 7.89 | 9.2        | 3.27   | 102.7 |
| 1044     | 3/29/2011 10:46 | 10.54  | 39.05  | 24.78        | 9.71    | 7.90 | 7.9        | 3.20   | 102.0 |
| 1045     | 3/29/2011 11:01 | 10.51  | 38.41  | 24.34        | 9.78    | 7.89 | 12.0       | 3.14   | 102.4 |
| 1046     | 3/29/2011 11:16 | 10.50  | 38.48  | 24.38        | 9.76    | 7.90 | 8.0        | 3.05   | 102.2 |
| 1047     | 3/29/2011 11:31 | 10.48  | 37.56  | 23.74        | 9.75    | 7.87 | 11.4       | 2.94   | 101.6 |
| 1048     | 3/29/2011 11:46 | 10.51  | 37.56  | 23.74        | 9.76    | 7.86 | 10.7       | 2.87   | 101.8 |
| 1049     | 3/29/2011 12:01 | 10.62  | 36.31  | 22.88        | 9.79    | 7.89 | 7.8        | 2.80   | 101.7 |
| 1050     | 3/29/2011 12:16 | 10.64  | 36.51  | 23.02        | 9.78    | 7.89 | 7.5        | 2.68   | 101.8 |
| 1051     | 3/29/2011 12:31 | 10.72  | 36.07  | 22.72        | 9.82    | 7.89 | 6.8        | 2.60   | 102.2 |
| 1052     | 3/29/2011 12:46 | 10.85  | 35.35  | 22.23        | 9.95    | 7.89 | 7.0        | 2.53   | 103.5 |
| 1053     | 3/29/2011 13:01 | 10.83  | 35.93  | 22.63        | 9.91    | 7.89 | 6.5        | 2.39   | 103.3 |
| 1054     | 3/29/2011 13:16 | 11.01  | 35.14  | 22.08        | 10.13   | 7.90 | 6.4        | 2.30   | 105.7 |
| 1055     | 3/29/2011 13:31 | 10.91  | 35.72  | 22.48        | 9.92    | 7.90 | 6.3        | 2.22   | 103.5 |
| 1056     | 3/29/2011 13:46 | 10.77  | 36.45  | 22.98        | 9.93    | 7.89 | 6.5        | 2.12   | 103.6 |
| 1057     | 3/29/2011 14:01 | 11.11  | 35.21  | 22.14        | 10.23   | 7.91 | 5.8        | 2.00   | 107.0 |
| 1058     | 3/29/2011 14:16 | 10.99  | 35.38  | 22.25        | 10.10   | 7.90 | 6.4        | 1.94   | 105.4 |
| 1059     | 3/29/2011 14:31 | 11.19  | 34.80  | 21.86        | 10.22   | 7.91 | 5.6        | 1.88   | 106.9 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1060     | 3/29/2011 14:46 | 11.31  | 34.77  | 21.84        | 10.36   | 7.93 | 5.6        | 1.81   | 108.6 |
| 1061     | 3/29/2011 15:01 | 11.37  | 34.72  | 21.80        | 10.30   | 7.93 | 5.7        | 1.75   | 108.1 |
| 1062     | 3/29/2011 15:16 | 11.04  | 35.07  | 22.04        | 10.11   | 7.90 | 4.8        | 1.74   | 105.5 |
| 1063     | 3/29/2011 15:31 | 11.32  | 34.75  | 21.83        | 10.23   | 7.92 | 5.8        | 1.73   | 107.3 |
| 1064     | 3/29/2011 15:46 | 11.28  | 34.70  | 21.79        | 10.19   | 7.91 | 5.3        | 1.70   | 106.7 |
| 1065     | 3/29/2011 16:01 | 11.25  | 34.63  | 21.74        | 10.18   | 7.91 | 4.8        | 1.73   | 106.5 |
| 1066     | 3/29/2011 16:16 | 11.23  | 34.63  | 21.74        | 10.14   | 7.90 | 5.6        | 1.78   | 106.1 |
| 1067     | 3/29/2011 16:31 | 11.17  | 33.94  | 21.26        | 10.07   | 7.88 | 6.8        | 1.80   | 104.9 |
| 1068     | 3/29/2011 16:46 | 10.92  | 35.20  | 22.12        | 9.88    | 7.88 | 5.2        | 1.85   | 102.9 |
| 1069     | 3/29/2011 17:01 | 10.85  | 35.33  | 22.21        | 9.79    | 7.88 | 5.2        | 1.91   | 101.9 |
| 1070     | 3/29/2011 17:16 | 10.91  | 35.09  | 22.04        | 9.87    | 7.88 | 5.6        | 1.97   | 102.7 |
| 1071     | 3/29/2011 17:31 | 10.78  | 35.66  | 22.43        | 9.75    | 7.88 | 5.2        | 2.03   | 101.4 |
| 1072     | 3/29/2011 17:46 | 10.83  | 35.19  | 22.11        | 9.83    | 7.88 | 6.5        | 2.10   | 102.1 |
| 1073     | 3/29/2011 18:01 | 10.86  | 34.93  | 21.93        | 9.82    | 7.87 | 6.5        | 2.17   | 102.0 |
| 1074     | 3/29/2011 18:16 | 10.85  | 34.81  | 21.85        | 9.81    | 7.87 | 6.6        | 2.25   | 101.9 |
| 1075     | 3/29/2011 18:31 | 10.91  | 34.78  | 21.83        | 9.85    | 7.87 | 7.5        | 2.34   | 102.4 |
| 1076     | 3/29/2011 18:46 | 10.89  | 34.76  | 21.82        | 9.88    | 7.87 | 6.5        | 2.41   | 102.6 |
| 1077     | 3/29/2011 19:01 | 10.89  | 35.16  | 22.09        | 9.90    | 7.88 | 7.6        | 2.49   | 103.0 |
| 1078     | 3/29/2011 19:16 | 10.79  | 35.87  | 22.58        | 9.84    | 7.89 | 7.0        | 2.56   | 102.4 |
| 1079     | 3/29/2011 19:31 | 10.82  | 35.84  | 22.56        | 9.87    | 7.88 | 8.6        | 2.66   | 102.9 |
| 1080     | 3/29/2011 19:46 | 10.85  | 35.35  | 22.22        | 9.90    | 7.88 | 7.4        | 2.72   | 103.0 |
| 1081     | 3/29/2011 20:01 | 10.76  | 36.20  | 22.81        | 9.83    | 7.88 | 6.6        | 2.80   | 102.5 |
| 1082     | 3/29/2011 20:16 | 10.77  | 36.03  | 22.69        | 9.86    | 7.88 | 9.1        | 2.88   | 102.7 |
| 1083     | 3/29/2011 20:31 | 10.81  | 35.99  | 22.67        | 9.89    | 7.88 | 8.7        | 2.94   | 103.1 |
| 1084     | 3/29/2011 20:46 | 10.77  | 36.91  | 23.30        | 9.84    | 7.89 | 8.1        | 3.02   | 102.9 |
| 1085     | 3/29/2011 21:01 | 10.73  | 37.89  | 23.98        | 9.80    | 7.90 | 8.3        | 3.09   | 102.8 |
| 1086     | 3/29/2011 21:16 | 10.71  | 38.56  | 24.45        | 9.77    | 7.90 | 9.0        | 3.15   | 102.8 |
| 1087     | 3/29/2011 21:31 | 10.67  | 39.47  | 25.08        | 9.74    | 7.91 | 9.8        | 3.21   | 102.8 |
| 1088     | 3/29/2011 21:46 | 10.64  | 40.05  | 25.49        | 9.74    | 7.89 | 9.2        | 3.28   | 103.0 |
| 1089     | 3/29/2011 22:01 | 10.65  | 40.31  | 25.67        | 9.77    | 7.92 | 10.2       | 3.32   | 103.5 |
| 1090     | 3/29/2011 22:16 | 10.67  | 40.08  | 25.51        | 9.71    | 7.92 | 7.4        | 3.35   | 102.7 |
| 1091     | 3/29/2011 22:31 | 10.68  | 40.51  | 25.81        | 9.68    | 7.92 | 7.9        | 3.38   | 102.7 |
| 1092     | 3/29/2011 22:46 | 10.68  | 40.45  | 25.77        | 9.70    | 7.92 | 7.9        | 3.39   | 102.8 |
| 1093     | 3/29/2011 23:01 | 10.68  | 40.53  | 25.83        | 9.67    | 7.92 | 7.3        | 3.37   | 102.6 |
| 1094     | 3/29/2011 23:16 | 10.66  | 40.26  | 25.63        | 9.73    | 7.91 | 9.6        | 3.34   | 103.0 |
| 1095     | 3/29/2011 23:31 | 10.67  | 39.64  | 25.20        | 9.72    | 7.91 | 8.2        | 3.31   | 102.6 |
| 1096     | 3/29/2011 23:46 | 10.70  | 38.94  | 24.71        | 9.69    | 7.90 | 7.8        | 3.26   | 102.1 |
| 1097     | 3/30/2011 0:01  | 10.73  | 38.10  | 24.13        | 9.66    | 7.89 | 8.5        | 3.16   | 101.4 |
| 1098     | 3/30/2011 0:16  | 10.71  | 38.52  | 24.42        | 9.71    | 7.90 | 13.1       | 3.10   | 102.1 |
| 1099     | 3/30/2011 0:31  | 10.73  | 37.39  | 23.63        | 9.67    | 7.89 | 9.0        | 3.05   | 101.3 |
| 1100     | 3/30/2011 0:46  | 10.75  | 36.89  | 23.29        | 9.65    | 7.88 | 7.2        | 2.95   | 100.9 |
| 1101     | 3/30/2011 1:01  | 10.76  | 36.71  | 23.16        | 9.64    | 7.88 | 7.1        | 2.85   | 100.8 |
| 1102     | 3/30/2011 1:16  | 10.76  | 36.66  | 23.13        | 9.64    | 7.88 | 6.2        | 2.80   | 100.7 |
| 1103     | 3/30/2011 1:31  | 10.78  | 36.57  | 23.07        | 9.62    | 7.87 | 5.6        | 2.74   | 100.5 |
| 1104     | 3/30/2011 1:46  | 10.80  | 36.17  | 22.79        | 9.64    | 7.87 | 6.9        | 2.66   | 100.6 |
| 1105     | 3/30/2011 2:01  | 10.83  | 35.99  | 22.67        | 9.62    | 7.87 | 6.2        | 2.59   | 100.4 |
| 1106     | 3/30/2011 2:16  | 10.85  | 35.71  | 22.47        | 9.64    | 7.86 | 6.5        | 2.50   | 100.4 |
| 1107     | 3/30/2011 2:31  | 10.88  | 35.53  | 22.35        | 9.61    | 7.86 | 5.6        | 2.46   | 100.1 |
| 1108     | 3/30/2011 2:46  | 10.95  | 35.15  | 22.09        | 9.64    | 7.87 | 4.9        | 2.41   | 100.4 |
| 1109     | 3/30/2011 3:01  | 10.95  | 35.38  | 22.25        | 9.60    | 7.87 | 5.1        | 2.30   | 100.2 |
| 1110     | 3/30/2011 3:16  | 11.03  | 34.94  | 21.94        | 9.68    | 7.88 | 4.8        | 2.26   | 101.0 |
| 1111     | 3/30/2011 3:31  | 11.10  | 34.52  | 21.66        | 9.77    | 7.89 | 4.3        | 2.25   | 101.9 |
| 1112     | 3/30/2011 3:46  | 11.00  | 34.98  | 21.97        | 9.79    | 7.89 | 4.4        | 2.18   | 102.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1113     | 3/30/2011 4:01  | 10.90  | 35.62  | 22.41        | 9.51    | 7.87 | 4.2               | 2.18            | 99.2  |
| 1114     | 3/30/2011 4:16  | 10.93  | 35.30  | 22.19        | 9.67    | 7.87 | 4.6               | 2.20            | 100.8 |
| 1115     | 3/30/2011 4:31  | 11.01  | 34.71  | 21.79        | 9.69    | 7.88 | 4.9               | 2.22            | 101.0 |
| 1116     | 3/30/2011 4:46  | 10.94  | 35.40  | 22.26        | 9.64    | 7.87 | 5.5               | 2.24            | 100.6 |
| 1117     | 3/30/2011 5:01  | 10.95  | 35.18  | 22.11        | 9.70    | 7.87 | 5.0               | 2.27            | 101.0 |
| 1118     | 3/30/2011 5:16  | 10.91  | 35.41  | 22.27        | 9.63    | 7.86 | 5.4               | 2.34            | 100.3 |
| 1119     | 3/30/2011 5:31  | 10.95  | 34.79  | 21.84        | 9.66    | 7.86 | 6.1               | 2.38            | 100.4 |
| 1120     | 3/30/2011 5:46  | 10.90  | 35.21  | 22.13        | 9.60    | 7.85 | 5.9               | 2.44            | 100.0 |
| 1121     | 3/30/2011 6:01  | 10.86  | 35.50  | 22.33        | 9.60    | 7.85 | 6.3               | 2.51            | 100.0 |
| 1122     | 3/30/2011 6:16  | 10.85  | 35.79  | 22.53        | 9.60    | 7.85 | 6.1               | 2.57            | 100.1 |
| 1123     | 3/30/2011 6:31  | 10.84  | 36.02  | 22.69        | 9.60    | 7.86 | 6.2               | 2.62            | 100.1 |
| 1124     | 3/30/2011 6:46  | 10.82  | 36.24  | 22.84        | 9.61    | 7.87 | 5.9               | 2.69            | 100.3 |
| 1125     | 3/30/2011 7:01  | 10.82  | 36.60  | 23.09        | 9.62    | 7.87 | 6.2               | 2.75            | 100.6 |
| 1126     | 3/30/2011 7:16  | 10.78  | 37.40  | 23.64        | 9.64    | 7.88 | 6.8               | 2.81            | 101.0 |
| 1127     | 3/30/2011 7:31  | 10.77  | 38.20  | 24.20        | 9.65    | 7.89 | 6.7               | 2.87            | 101.5 |
| 1128     | 3/30/2011 7:46  | 10.77  | 38.29  | 24.26        | 9.66    | 7.90 | 7.1               | 2.95            | 101.7 |
| 1129     | 3/30/2011 8:01  | 10.77  | 38.48  | 24.39        | 9.65    | 7.90 | 7.7               | 3.00            | 101.6 |
| 1130     | 3/30/2011 8:16  | 10.77  | 38.97  | 24.74        | 9.64    | 7.91 | 7.6               | 3.07            | 101.8 |
| 1131     | 3/30/2011 8:31  | 10.77  | 39.28  | 24.96        | 9.65    | 7.91 | 7.6               | 3.15            | 102.0 |
| 1132     | 3/30/2011 8:46  | 10.76  | 39.63  | 25.20        | 9.65    | 7.91 | 6.9               | 3.20            | 102.2 |
| 1133     | 3/30/2011 9:01  | 10.76  | 39.76  | 25.29        | 9.66    | 7.91 | 7.3               | 3.27            | 102.3 |
| 1134     | 3/30/2011 9:16  | 10.75  | 40.33  | 25.69        | 9.63    | 7.92 | 6.8               | 3.32            | 102.3 |
| 1135     | 3/30/2011 9:31  | 10.74  | 40.85  | 26.05        | 9.64    | 7.93 | 7.5               | 3.37            | 102.5 |
| 1136     | 3/30/2011 9:46  | 10.74  | 41.09  | 26.22        | 9.62    | 7.93 | 6.9               | 3.40            | 102.4 |
| 1137     | 3/30/2011 10:01 | 10.75  | 40.26  | 25.64        | 9.60    | 7.92 | 6.0               | 3.42            | 101.9 |
| 1138     | 3/30/2011 10:16 | 10.74  | 40.85  | 26.05        | 9.55    | 7.92 | 6.3               | 3.44            | 101.6 |
| 1139     | 3/30/2011 10:31 | 10.75  | 40.47  | 25.78        | 9.56    | 7.92 | 6.5               | 3.43            | 101.5 |
| 1140     | 3/30/2011 10:46 | 10.74  | 40.65  | 25.91        | 9.58    | 7.92 | 6.0               | 3.41            | 101.8 |
| 1141     | 3/30/2011 11:01 | 10.77  | 39.88  | 25.37        | 9.60    | 7.91 | 6.8               | 3.37            | 101.8 |
| 1142     | 3/30/2011 11:16 | 10.91  | 38.95  | 24.73        | 9.61    | 7.90 | 7.4               | 3.32            | 101.7 |
| 1143     | 3/30/2011 11:31 | 10.98  | 38.36  | 24.32        | 9.64    | 7.90 | 6.8               | 3.25            | 101.9 |
| 1144     | 3/30/2011 11:46 | 10.94  | 38.25  | 24.24        | 9.66    | 7.90 | 7.6               | 3.17            | 102.0 |
| 1145     | 3/30/2011 12:01 | 11.00  | 38.04  | 24.10        | 9.66    | 7.87 | 8.1               | 3.08            | 102.0 |
| 1146     | 3/30/2011 12:16 | 11.40  | 37.31  | 23.60        | 9.78    | 7.90 | 6.8               | 2.99            | 103.9 |
| 1147     | 3/30/2011 12:31 | 11.72  | 37.24  | 23.56        | 9.78    | 7.90 | 7.2               | 2.90            | 104.6 |
| 1148     | 3/30/2011 12:46 | 11.66  | 36.78  | 23.24        | 9.86    | 7.89 | 5.7               | 2.83            | 105.1 |
| 1149     | 3/30/2011 13:01 | 11.61  | 36.60  | 23.12        | 9.88    | 7.90 | 6.2               | 2.73            | 105.1 |
| 1150     | 3/30/2011 13:16 | 11.96  | 36.38  | 22.97        | 10.01   | 7.91 | 6.4               | 2.62            | 107.2 |
| 1151     | 3/30/2011 13:31 | 12.28  | 36.27  | 22.91        | 9.98    | 7.92 | 6.3               | 2.53            | 107.5 |
| 1152     | 3/30/2011 13:46 | 12.33  | 35.98  | 22.70        | 10.19   | 7.92 | 5.8               | 2.44            | 109.8 |
| 1153     | 3/30/2011 14:01 | 12.41  | 35.73  | 22.53        | 10.46   | 7.94 | 5.3               | 2.34            | 112.8 |
| 1154     | 3/30/2011 14:16 | 12.51  | 35.51  | 22.38        | 10.39   | 7.95 | 4.9               | 2.23            | 112.2 |
| 1155     | 3/30/2011 14:31 | 12.77  | 35.51  | 22.39        | 10.46   | 7.96 | 5.0               | 2.14            | 113.6 |
| 1156     | 3/30/2011 14:46 | 12.86  | 35.30  | 22.25        | 10.55   | 7.98 | 4.9               | 2.05            | 114.7 |
| 1157     | 3/30/2011 15:01 | 12.31  | 35.42  | 22.31        | 10.31   | 7.95 | 5.9               | 1.96            | 110.8 |
| 1158     | 3/30/2011 15:16 | 12.82  | 35.15  | 22.14        | 10.60   | 7.98 | 5.9               | 1.88            | 115.1 |
| 1159     | 3/30/2011 15:31 | 13.09  | 34.98  | 22.03        | 10.76   | 8.00 | 5.6               | 1.82            | 117.3 |
| 1160     | 3/30/2011 15:46 | 12.83  | 35.07  | 22.08        | 10.60   | 7.99 | 5.2               | 1.76            | 115.0 |
| 1161     | 3/30/2011 16:01 | 12.70  | 34.91  | 21.97        | 10.69   | 7.98 | 4.9               | 1.74            | 115.6 |
| 1162     | 3/30/2011 16:16 | 12.37  | 35.24  | 22.20        | 10.40   | 7.95 | 4.8               | 1.73            | 111.8 |
| 1163     | 3/30/2011 16:31 | 12.58  | 35.12  | 22.12        | 10.41   | 7.96 | 6.0               | 1.70            | 112.3 |
| 1164     | 3/30/2011 16:46 | 12.42  | 34.83  | 21.91        | 10.45   | 7.96 | 4.6               | 1.73            | 112.3 |
| 1165     | 3/30/2011 17:01 | 12.34  | 35.16  | 22.14        | 10.42   | 7.95 | 5.4               | 1.75            | 111.9 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1166     | 3/30/2011 17:16 | 12.26  | 35.16  | 22.13        | 10.28   | 7.94 | 5.4               | 1.78            | 110.3 |
| 1167     | 3/30/2011 17:31 | 12.13  | 35.25  | 22.19        | 10.20   | 7.93 | 5.0               | 1.85            | 109.1 |
| 1168     | 3/30/2011 17:46 | 12.28  | 34.76  | 21.86        | 10.31   | 7.94 | 5.7               | 1.91            | 110.5 |
| 1169     | 3/30/2011 18:01 | 12.07  | 35.10  | 22.08        | 10.14   | 7.92 | 5.4               | 1.97            | 108.2 |
| 1170     | 3/30/2011 18:16 | 12.15  | 34.73  | 21.83        | 10.17   | 7.92 | 5.9               | 2.04            | 108.6 |
| 1171     | 3/30/2011 18:31 | 11.96  | 35.23  | 22.17        | 10.08   | 7.91 | 5.6               | 2.11            | 107.4 |
| 1172     | 3/30/2011 18:46 | 11.96  | 35.00  | 22.01        | 10.05   | 7.91 | 5.7               | 2.19            | 107.0 |
| 1173     | 3/30/2011 19:01 | 11.85  | 35.53  | 22.38        | 9.97    | 7.90 | 5.9               | 2.28            | 106.2 |
| 1174     | 3/30/2011 19:16 | 11.82  | 35.56  | 22.40        | 9.92    | 7.90 | 6.1               | 2.36            | 105.5 |
| 1175     | 3/30/2011 19:31 | 11.70  | 36.30  | 22.91        | 9.84    | 7.90 | 6.4               | 2.44            | 104.7 |
| 1176     | 3/30/2011 19:46 | 11.64  | 36.68  | 23.17        | 9.79    | 7.89 | 6.5               | 2.52            | 104.3 |
| 1177     | 3/30/2011 20:01 | 11.60  | 36.77  | 23.23        | 9.77    | 7.89 | 7.6               | 2.61            | 104.0 |
| 1178     | 3/30/2011 20:16 | 11.56  | 36.90  | 23.32        | 9.77    | 7.89 | 6.7               | 2.68            | 104.0 |
| 1179     | 3/30/2011 20:31 | 11.56  | 36.83  | 23.28        | 9.78    | 7.89 | 7.0               | 2.76            | 104.1 |
| 1180     | 3/30/2011 20:46 | 11.54  | 37.01  | 23.39        | 9.79    | 7.89 | 6.6               | 2.83            | 104.2 |
| 1181     | 3/30/2011 21:01 | 11.46  | 37.40  | 23.66        | 9.77    | 7.90 | 7.6               | 2.92            | 103.9 |
| 1182     | 3/30/2011 21:16 | 11.42  | 37.60  | 23.80        | 9.74    | 7.90 | 6.5               | 2.99            | 103.7 |
| 1183     | 3/30/2011 21:31 | 11.33  | 38.02  | 24.10        | 9.72    | 7.90 | 7.1               | 3.06            | 103.4 |
| 1184     | 3/30/2011 21:46 | 11.14  | 39.24  | 24.94        | 9.66    | 7.91 | 7.9               | 3.15            | 103.0 |
| 1185     | 3/30/2011 22:01 | 11.07  | 40.08  | 25.53        | 9.65    | 7.92 | 16.0              | 3.20            | 103.1 |
| 1186     | 3/30/2011 22:16 | 11.14  | 40.59  | 25.89        | 9.71    | 7.93 | 14.0              | 3.28            | 104.0 |
| 1187     | 3/30/2011 22:31 | 11.18  | 40.78  | 26.02        | 9.72    | 7.93 | 11.1              | 3.34            | 104.3 |
| 1188     | 3/30/2011 22:46 | 11.19  | 41.02  | 26.19        | 9.75    | 7.94 | 10.9              | 3.38            | 104.8 |
| 1189     | 3/30/2011 23:01 | 11.19  | 41.00  | 26.18        | 9.69    | 7.94 | 7.7               | 3.41            | 104.2 |
| 1190     | 3/30/2011 23:16 | 11.18  | 40.82  | 26.05        | 9.66    | 7.93 | 9.3               | 3.43            | 103.7 |
| 1191     | 3/30/2011 23:31 | 11.19  | 41.19  | 26.31        | 9.69    | 7.94 | 8.8               | 3.42            | 104.2 |
| 1192     | 3/30/2011 23:46 | 11.23  | 40.10  | 25.54        | 9.67    | 7.93 | 8.5               | 3.39            | 103.6 |
| 1193     | 3/31/2011 0:01  | 11.21  | 39.99  | 25.47        | 9.68    | 7.92 | 9.0               | 3.34            | 103.6 |
| 1194     | 3/31/2011 0:16  | 11.23  | 39.43  | 25.07        | 9.63    | 7.91 | 9.4               | 3.28            | 102.9 |
| 1195     | 3/31/2011 0:31  | 11.28  | 38.69  | 24.56        | 9.57    | 7.90 | 9.2               | 3.21            | 102.0 |
| 1196     | 3/31/2011 0:46  | 11.26  | 38.92  | 24.72        | 9.61    | 7.91 | 9.8               | 3.12            | 102.5 |
| 1197     | 3/31/2011 1:01  | 11.36  | 37.96  | 24.05        | 9.59    | 7.89 | 7.8               | 3.04            | 102.1 |
| 1198     | 3/31/2011 1:16  | 11.40  | 37.64  | 23.83        | 9.61    | 7.89 | 6.7               | 2.97            | 102.2 |
| 1199     | 3/31/2011 1:31  | 11.39  | 37.63  | 23.82        | 9.60    | 7.89 | 6.8               | 2.90            | 102.1 |
| 1200     | 3/31/2011 1:46  | 11.42  | 37.58  | 23.79        | 9.57    | 7.89 | 6.1               | 2.78            | 101.8 |
| 1201     | 3/31/2011 2:01  | 11.46  | 37.16  | 23.50        | 9.57    | 7.88 | 6.2               | 2.70            | 101.8 |
| 1202     | 3/31/2011 2:16  | 11.55  | 36.64  | 23.14        | 9.59    | 7.88 | 6.5               | 2.64            | 102.0 |
| 1203     | 3/31/2011 2:31  | 11.55  | 36.58  | 23.10        | 9.53    | 7.87 | 5.5               | 2.54            | 101.2 |
| 1204     | 3/31/2011 2:46  | 11.58  | 36.43  | 23.00        | 9.62    | 7.88 | 5.5               | 2.45            | 102.2 |
| 1205     | 3/31/2011 3:01  | 11.61  | 36.30  | 22.91        | 9.53    | 7.88 | 6.1               | 2.38            | 101.3 |
| 1206     | 3/31/2011 3:16  | 11.72  | 35.97  | 22.68        | 9.55    | 7.88 | 5.4               | 2.31            | 101.5 |
| 1207     | 3/31/2011 3:31  | 11.81  | 35.77  | 22.54        | 9.60    | 7.88 | 4.9               | 2.21            | 102.2 |
| 1208     | 3/31/2011 3:46  | 11.84  | 35.67  | 22.48        | 9.65    | 7.89 | 4.9               | 2.15            | 102.7 |
| 1209     | 3/31/2011 4:01  | 11.87  | 35.61  | 22.44        | 9.67    | 7.89 | 4.9               | 2.10            | 103.0 |
| 1210     | 3/31/2011 4:16  | 11.98  | 35.22  | 22.17        | 9.72    | 7.90 | 4.8               | 2.04            | 103.6 |
| 1211     | 3/31/2011 4:31  | 12.06  | 35.06  | 22.06        | 9.77    | 7.91 | 4.5               | 2.01            | 104.3 |
| 1212     | 3/31/2011 4:46  | 11.90  | 35.56  | 22.40        | 9.66    | 7.89 | 4.4               | 2.02            | 103.0 |
| 1213     | 3/31/2011 5:01  | 11.86  | 35.55  | 22.39        | 9.59    | 7.88 | 4.8               | 1.98            | 102.2 |
| 1214     | 3/31/2011 5:16  | 11.98  | 35.22  | 22.17        | 9.72    | 7.91 | 4.6               | 2.01            | 103.6 |
| 1215     | 3/31/2011 5:31  | 11.91  | 35.47  | 22.34        | 9.64    | 7.89 | 5.1               | 2.02            | 102.7 |
| 1216     | 3/31/2011 5:46  | 11.82  | 35.76  | 22.54        | 9.62    | 7.88 | 5.2               | 2.07            | 102.4 |
| 1217     | 3/31/2011 6:01  | 11.88  | 35.55  | 22.39        | 9.68    | 7.89 | 5.1               | 2.13            | 103.1 |
| 1218     | 3/31/2011 6:16  | 11.86  | 35.53  | 22.38        | 9.69    | 7.89 | 5.1               | 2.17            | 103.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1219     | 3/31/2011 6:31  | 11.87  | 35.26  | 22.19        | 9.67    | 7.88 | 6.2        | 2.24   | 102.9 |
| 1220     | 3/31/2011 6:46  | 11.76  | 35.79  | 22.56        | 9.61    | 7.87 | 6.0        | 2.31   | 102.2 |
| 1221     | 3/31/2011 7:01  | 11.70  | 35.96  | 22.68        | 9.58    | 7.87 | 6.3        | 2.38   | 101.9 |
| 1222     | 3/31/2011 7:16  | 11.72  | 35.94  | 22.66        | 9.61    | 7.87 | 6.6        | 2.45   | 102.2 |
| 1223     | 3/31/2011 7:31  | 11.62  | 36.31  | 22.92        | 9.59    | 7.87 | 6.3        | 2.52   | 101.9 |
| 1224     | 3/31/2011 7:46  | 11.60  | 36.62  | 23.13        | 9.58    | 7.88 | 5.9        | 2.58   | 101.9 |
| 1225     | 3/31/2011 8:01  | 11.51  | 36.99  | 23.38        | 9.59    | 7.88 | 7.4        | 2.67   | 102.0 |
| 1226     | 3/31/2011 8:16  | 11.46  | 37.23  | 23.55        | 9.60    | 7.89 | 6.3        | 2.73   | 102.1 |
| 1227     | 3/31/2011 8:31  | 11.40  | 37.98  | 24.07        | 9.61    | 7.89 | 6.4        | 2.80   | 102.4 |
| 1228     | 3/31/2011 8:46  | 11.40  | 37.71  | 23.88        | 9.62    | 7.89 | 6.3        | 2.87   | 102.3 |
| 1229     | 3/31/2011 9:01  | 11.36  | 38.08  | 24.14        | 9.61    | 7.89 | 6.3        | 2.94   | 102.4 |
| 1230     | 3/31/2011 9:16  | 11.35  | 38.11  | 24.16        | 9.64    | 7.90 | 6.1        | 3.02   | 102.6 |
| 1231     | 3/31/2011 9:31  | 11.30  | 38.75  | 24.60        | 9.64    | 7.90 | 6.3        | 3.08   | 102.8 |
| 1232     | 3/31/2011 9:46  | 11.28  | 38.89  | 24.70        | 9.65    | 7.90 | 6.1        | 3.15   | 103.0 |
| 1233     | 3/31/2011 10:01 | 11.19  | 40.09  | 25.54        | 9.65    | 7.92 | 7.4        | 3.21   | 103.3 |
| 1234     | 3/31/2011 10:16 | 11.15  | 40.77  | 26.02        | 9.64    | 7.92 | 7.7        | 3.26   | 103.4 |
| 1235     | 3/31/2011 10:31 | 11.13  | 41.14  | 26.28        | 9.66    | 7.93 | 7.4        | 3.30   | 103.7 |
| 1236     | 3/31/2011 10:46 | 11.12  | 41.38  | 26.44        | 9.60    | 7.93 | 7.4        | 3.33   | 103.2 |
| 1237     | 3/31/2011 11:01 | 11.12  | 41.47  | 26.51        | 9.55    | 7.93 | 6.7        | 3.36   | 102.7 |
| 1238     | 3/31/2011 11:16 | 11.12  | 41.34  | 26.41        | 9.51    | 7.92 | 6.8        | 3.37   | 102.3 |
| 1239     | 3/31/2011 11:31 | 11.13  | 41.05  | 26.21        | 9.56    | 7.92 | 6.3        | 3.34   | 102.6 |
| 1240     | 3/31/2011 11:46 | 11.15  | 41.02  | 26.19        | 9.55    | 7.92 | 6.5        | 3.31   | 102.6 |
| 1241     | 3/31/2011 12:01 | 11.43  | 39.45  | 25.10        | 9.73    | 7.93 | 7.4        | 3.26   | 104.5 |
| 1242     | 3/31/2011 12:16 | 11.58  | 39.13  | 24.88        | 10.01   | 7.95 | 7.8        | 3.20   | 107.6 |
| 1243     | 3/31/2011 12:31 | 11.60  | 39.33  | 25.02        | 9.98    | 7.95 | 9.3        | 3.12   | 107.5 |
| 1244     | 3/31/2011 12:46 | 11.64  | 39.35  | 25.03        | 10.10   | 7.95 | 7.8        | 3.03   | 108.8 |
| 1245     | 3/31/2011 13:01 | 11.76  | 38.85  | 24.69        | 9.97    | 7.93 | 7.9        | 2.95   | 107.5 |
| 1246     | 3/31/2011 13:16 | 11.81  | 38.20  | 24.24        | 9.80    | 7.91 | 8.9        | 2.86   | 105.5 |
| 1247     | 3/31/2011 13:31 | 12.04  | 37.55  | 23.79        | 10.05   | 7.92 | 7.6        | 2.76   | 108.4 |
| 1248     | 3/31/2011 13:46 | 12.31  | 37.15  | 23.52        | 10.21   | 7.94 | 7.3        | 2.67   | 110.6 |
| 1249     | 3/31/2011 14:01 | 12.21  | 37.16  | 23.52        | 9.91    | 7.91 | 8.1        | 2.58   | 107.1 |
| 1250     | 3/31/2011 14:16 | 12.43  | 36.68  | 23.20        | 10.04   | 7.93 | 6.8        | 2.49   | 108.8 |
| 1251     | 3/31/2011 14:31 | 12.85  | 36.76  | 23.26        | 10.28   | 7.96 | 8.7        | 2.39   | 112.4 |
| 1252     | 3/31/2011 14:46 | 12.75  | 36.25  | 22.90        | 10.24   | 7.94 | 7.0        | 2.29   | 111.5 |
| 1253     | 3/31/2011 15:01 | 12.81  | 36.14  | 22.83        | 10.17   | 7.94 | 7.1        | 2.19   | 110.8 |
| 1254     | 3/31/2011 15:16 | 13.39  | 36.18  | 22.87        | 10.44   | 7.98 | 7.4        | 2.09   | 115.2 |
| 1255     | 3/31/2011 15:31 | 13.22  | 35.55  | 22.42        | 10.46   | 7.99 | 6.7        | 2.00   | 114.7 |
| 1256     | 3/31/2011 15:46 | 13.33  | 35.43  | 22.34        | 10.46   | 8.00 | 6.3        | 1.92   | 114.9 |
| 1257     | 3/31/2011 16:01 | 13.41  | 35.39  | 22.32        | 10.49   | 8.01 | 6.2        | 1.84   | 115.5 |
| 1258     | 3/31/2011 16:16 | 13.29  | 35.52  | 22.41        | 10.41   | 8.00 | 5.7        | 1.77   | 114.3 |
| 1259     | 3/31/2011 16:31 | 13.18  | 35.08  | 22.10        | 10.41   | 7.99 | 5.9        | 1.74   | 113.8 |
| 1260     | 3/31/2011 16:46 | 13.20  | 35.06  | 22.09        | 10.43   | 8.00 | 5.3        | 1.70   | 114.1 |
| 1261     | 3/31/2011 17:01 | 12.63  | 35.73  | 22.54        | 10.16   | 7.95 | 5.0        | 1.69   | 110.1 |
| 1262     | 3/31/2011 17:16 | 13.30  | 35.33  | 22.27        | 10.44   | 8.00 | 5.2        | 1.69   | 114.6 |
| 1263     | 3/31/2011 17:31 | 13.06  | 35.08  | 22.10        | 10.40   | 7.99 | 5.2        | 1.72   | 113.5 |
| 1264     | 3/31/2011 17:46 | 12.80  | 35.71  | 22.53        | 10.25   | 7.95 | 5.5        | 1.76   | 111.5 |
| 1265     | 3/31/2011 18:01 | 12.89  | 35.52  | 22.40        | 10.29   | 7.96 | 5.6        | 1.80   | 112.1 |
| 1266     | 3/31/2011 18:16 | 12.87  | 35.62  | 22.47        | 10.24   | 7.96 | 5.1        | 1.87   | 111.5 |
| 1267     | 3/31/2011 18:31 | 12.89  | 35.13  | 22.13        | 10.22   | 7.95 | 6.5        | 1.93   | 111.1 |
| 1268     | 3/31/2011 18:46 | 12.90  | 35.20  | 22.18        | 10.22   | 7.95 | 6.1        | 2.00   | 111.2 |
| 1269     | 3/31/2011 19:01 | 12.64  | 35.69  | 22.51        | 10.06   | 7.93 | 6.0        | 2.07   | 109.0 |
| 1270     | 3/31/2011 19:16 | 12.49  | 35.93  | 22.68        | 9.95    | 7.92 | 5.9        | 2.15   | 107.6 |
| 1271     | 3/31/2011 19:31 | 12.52  | 36.07  | 22.77        | 9.97    | 7.92 | 6.5        | 2.24   | 107.9 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1272     | 3/31/2011 19:46 | 12.41  | 36.49  | 23.06        | 9.90    | 7.92 | 6.7               | 2.31            | 107.1 |
| 1273     | 3/31/2011 20:01 | 12.32  | 36.78  | 23.26        | 9.86    | 7.91 | 7.2               | 2.40            | 106.6 |
| 1274     | 3/31/2011 20:16 | 12.17  | 37.33  | 23.64        | 9.80    | 7.91 | 7.3               | 2.48            | 105.9 |
| 1275     | 3/31/2011 20:31 | 12.11  | 37.42  | 23.70        | 9.77    | 7.90 | 7.8               | 2.56            | 105.4 |
| 1276     | 3/31/2011 20:46 | 12.02  | 37.79  | 23.96        | 9.74    | 7.91 | 7.7               | 2.65            | 105.1 |
| 1277     | 3/31/2011 21:01 | 12.03  | 37.70  | 23.89        | 9.73    | 7.91 | 7.0               | 2.74            | 105.0 |
| 1278     | 3/31/2011 21:16 | 11.94  | 38.13  | 24.19        | 9.72    | 7.91 | 7.2               | 2.82            | 104.8 |
| 1279     | 3/31/2011 21:31 | 11.97  | 38.06  | 24.14        | 9.74    | 7.91 | 8.4               | 2.92            | 105.1 |
| 1280     | 3/31/2011 21:46 | 11.77  | 39.15  | 24.90        | 9.70    | 7.91 | 7.9               | 2.99            | 104.7 |
| 1281     | 3/31/2011 22:01 | 11.68  | 39.55  | 25.17        | 9.68    | 7.92 | 7.4               | 3.08            | 104.5 |
| 1282     | 3/31/2011 22:16 | 11.49  | 40.45  | 25.80        | 9.64    | 7.93 | 8.8               | 3.14            | 104.0 |
| 1283     | 3/31/2011 22:31 | 11.24  | 42.27  | 27.07        | 9.60    | 7.93 | 20.3              | 3.20            | 103.9 |
| 1284     | 3/31/2011 22:46 | 11.27  | 42.43  | 27.19        | 9.59    | 7.94 | 16.1              | 3.27            | 103.9 |
| 1285     | 3/31/2011 23:01 | 11.28  | 43.10  | 27.66        | 9.58    | 7.94 | 17.5              | 3.32            | 104.1 |
| 1286     | 3/31/2011 23:16 | 11.27  | 43.30  | 27.81        | 9.57    | 7.94 | 14.0              | 3.36            | 104.1 |
| 1287     | 3/31/2011 23:31 | 11.26  | 43.12  | 27.68        | 9.56    | 7.94 | 12.0              | 3.39            | 103.9 |
| 1288     | 3/31/2011 23:46 | 11.26  | 43.40  | 27.88        | 9.49    | 7.94 | 9.4               | 3.39            | 103.2 |
| 1289     | 4/1/2011 0:01   | 11.28  | 43.18  | 27.72        | 9.47    | 7.93 | 8.9               | 3.39            | 103.0 |
| 1290     | 4/1/2011 0:16   | 11.31  | 43.00  | 27.59        | 9.47    | 7.93 | 9.6               | 3.37            | 103.0 |
| 1291     | 4/1/2011 0:31   | 11.36  | 42.27  | 27.08        | 9.48    | 7.93 | 9.9               | 3.34            | 102.9 |
| 1292     | 4/1/2011 0:46   | 11.53  | 40.85  | 26.09        | 9.52    | 7.92 | 13.8              | 3.26            | 103.0 |
| 1293     | 4/1/2011 1:01   | 11.68  | 39.81  | 25.36        | 9.55    | 7.92 | 10.6              | 3.18            | 103.2 |
| 1294     | 4/1/2011 1:16   | 11.73  | 39.65  | 25.25        | 9.57    | 7.91 | 8.7               | 3.11            | 103.4 |
| 1295     | 4/1/2011 1:31   | 11.73  | 39.56  | 25.18        | 9.56    | 7.91 | 9.3               | 3.00            | 103.3 |
| 1296     | 4/1/2011 1:46   | 11.79  | 39.05  | 24.83        | 9.52    | 7.90 | 7.6               | 2.94            | 102.7 |
| 1297     | 4/1/2011 2:01   | 11.78  | 39.03  | 24.81        | 9.52    | 7.90 | 7.3               | 2.83            | 102.8 |
| 1298     | 4/1/2011 2:16   | 11.82  | 38.85  | 24.69        | 9.52    | 7.90 | 6.5               | 2.74            | 102.8 |
| 1299     | 4/1/2011 2:31   | 11.83  | 38.74  | 24.61        | 9.50    | 7.90 | 6.2               | 2.64            | 102.6 |
| 1300     | 4/1/2011 2:46   | 11.91  | 38.32  | 24.33        | 9.50    | 7.90 | 6.0               | 2.56            | 102.5 |
| 1301     | 4/1/2011 3:01   | 11.99  | 37.95  | 24.06        | 9.44    | 7.89 | 6.3               | 2.47            | 101.9 |
| 1302     | 4/1/2011 3:16   | 12.06  | 37.58  | 23.81        | 9.45    | 7.90 | 6.0               | 2.36            | 102.0 |
| 1303     | 4/1/2011 3:31   | 12.15  | 37.11  | 23.49        | 9.51    | 7.90 | 6.5               | 2.27            | 102.6 |
| 1304     | 4/1/2011 3:46   | 12.32  | 36.57  | 23.11        | 9.55    | 7.91 | 6.5               | 2.19            | 103.2 |
| 1305     | 4/1/2011 4:01   | 12.37  | 36.25  | 22.89        | 9.60    | 7.92 | 6.0               | 2.10            | 103.6 |
| 1306     | 4/1/2011 4:16   | 12.46  | 35.91  | 22.66        | 9.58    | 7.92 | 6.4               | 1.98            | 103.5 |
| 1307     | 4/1/2011 4:31   | 12.56  | 35.65  | 22.48        | 9.64    | 7.93 | 6.3               | 1.94            | 104.3 |
| 1308     | 4/1/2011 4:46   | 12.62  | 35.36  | 22.28        | 9.66    | 7.94 | 6.3               | 1.88            | 104.5 |
| 1309     | 4/1/2011 5:01   | 12.59  | 35.45  | 22.34        | 9.64    | 7.93 | 6.2               | 1.83            | 104.2 |
| 1310     | 4/1/2011 5:16   | 12.67  | 35.19  | 22.16        | 9.65    | 7.95 | 6.1               | 1.79            | 104.5 |
| 1311     | 4/1/2011 5:31   | 12.57  | 35.52  | 22.39        | 9.58    | 7.94 | 6.2               | 1.77            | 103.6 |
| 1312     | 4/1/2011 5:46   | 12.47  | 35.98  | 22.71        | 9.59    | 7.92 | 6.3               | 1.79            | 103.7 |
| 1313     | 4/1/2011 6:01   | 12.51  | 35.78  | 22.57        | 9.63    | 7.93 | 5.6               | 1.79            | 104.1 |
| 1314     | 4/1/2011 6:16   | 12.53  | 35.82  | 22.60        | 9.65    | 7.93 | 5.3               | 1.82            | 104.4 |
| 1315     | 4/1/2011 6:31   | 12.38  | 36.36  | 22.97        | 9.58    | 7.92 | 6.7               | 1.87            | 103.5 |
| 1316     | 4/1/2011 6:46   | 12.37  | 36.07  | 22.77        | 9.58    | 7.92 | 7.3               | 1.95            | 103.3 |
| 1317     | 4/1/2011 7:01   | 12.44  | 36.02  | 22.74        | 9.57    | 7.91 | 7.5               | 2.01            | 103.4 |
| 1318     | 4/1/2011 7:16   | 12.42  | 35.78  | 22.57        | 9.60    | 7.92 | 7.5               | 2.07            | 103.6 |
| 1319     | 4/1/2011 7:31   | 12.28  | 36.49  | 23.06        | 9.51    | 7.90 | 7.4               | 2.16            | 102.6 |
| 1320     | 4/1/2011 7:46   | 12.26  | 36.60  | 23.13        | 9.54    | 7.90 | 7.3               | 2.25            | 102.9 |
| 1321     | 4/1/2011 8:01   | 12.17  | 37.02  | 23.42        | 9.51    | 7.90 | 7.3               | 2.31            | 102.6 |
| 1322     | 4/1/2011 8:16   | 12.14  | 37.28  | 23.60        | 9.51    | 7.90 | 6.5               | 2.41            | 102.6 |
| 1323     | 4/1/2011 8:31   | 11.97  | 38.18  | 24.23        | 9.50    | 7.90 | 6.8               | 2.48            | 102.6 |
| 1324     | 4/1/2011 8:46   | 11.97  | 38.05  | 24.13        | 9.51    | 7.90 | 7.0               | 2.56            | 102.6 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1325     | 4/1/2011 9:01  | 11.88  | 38.48  | 24.43        | 9.49    | 7.90 | 6.7        | 2.63   | 102.4 |
| 1326     | 4/1/2011 9:16  | 11.89  | 38.43  | 24.40        | 9.51    | 7.90 | 7.4        | 2.71   | 102.6 |
| 1327     | 4/1/2011 9:31  | 11.78  | 39.22  | 24.95        | 9.50    | 7.90 | 7.1        | 2.77   | 102.6 |
| 1328     | 4/1/2011 9:46  | 11.74  | 39.51  | 25.15        | 9.49    | 7.90 | 7.2        | 2.87   | 102.5 |
| 1329     | 4/1/2011 10:01 | 11.68  | 39.89  | 25.41        | 9.48    | 7.91 | 6.7        | 2.97   | 102.5 |
| 1330     | 4/1/2011 10:16 | 11.62  | 40.22  | 25.65        | 9.49    | 7.91 | 7.4        | 3.00   | 102.6 |
| 1331     | 4/1/2011 10:31 | 11.47  | 41.38  | 26.46        | 9.45    | 7.92 | 7.8        | 3.08   | 102.4 |
| 1332     | 4/1/2011 10:46 | 11.35  | 42.35  | 27.14        | 9.42    | 7.92 | 9.6        | 3.15   | 102.3 |
| 1333     | 4/1/2011 11:01 | 11.24  | 42.85  | 27.49        | 9.41    | 7.92 | 10.9       | 3.23   | 102.1 |
| 1334     | 4/1/2011 11:16 | 11.18  | 43.25  | 27.77        | 9.41    | 7.93 | 12.3       | 3.26   | 102.1 |
| 1335     | 4/1/2011 11:31 | 11.16  | 43.46  | 27.92        | 9.35    | 7.92 | 8.9        | 3.30   | 101.5 |
| 1336     | 4/1/2011 11:46 | 11.18  | 43.44  | 27.90        | 9.31    | 7.92 | 7.4        | 3.36   | 101.1 |
| 1337     | 4/1/2011 12:01 | 11.14  | 43.59  | 28.00        | 9.22    | 7.92 | 7.4        | 3.36   | 100.1 |
| 1338     | 4/1/2011 12:16 | 11.13  | 43.62  | 28.03        | 9.25    | 7.92 | 7.9        | 3.28   | 100.4 |
| 1339     | 4/1/2011 12:31 | 11.12  | 43.62  | 28.03        | 9.34    | 7.92 | 11.6       | 3.29   | 101.4 |
| 1340     | 4/1/2011 12:46 | 11.40  | 42.24  | 27.06        | 9.39    | 7.93 | 9.8        | 3.26   | 102.0 |
| 1341     | 4/1/2011 13:01 | 11.56  | 41.56  | 26.58        | 9.41    | 7.92 | 8.9        | 3.18   | 102.2 |
| 1342     | 4/1/2011 13:16 | 11.93  | 40.03  | 25.52        | 9.55    | 7.93 | 7.6        | 3.10   | 103.9 |
| 1343     | 4/1/2011 13:31 | 11.91  | 40.31  | 25.72        | 9.61    | 7.93 | 9.1        | 3.00   | 104.6 |
| 1344     | 4/1/2011 13:46 | 12.08  | 39.57  | 25.21        | 9.69    | 7.93 | 6.7        | 2.96   | 105.6 |
| 1345     | 4/1/2011 14:01 | 12.10  | 39.58  | 25.21        | 9.70    | 7.93 | 6.8        | 2.81   | 105.7 |
| 1346     | 4/1/2011 14:16 | 12.19  | 39.16  | 24.92        | 9.73    | 7.93 | 6.8        | 2.78   | 106.0 |
| 1347     | 4/1/2011 14:31 | 12.29  | 38.95  | 24.77        | 9.81    | 7.94 | 6.2        | 2.67   | 107.0 |
| 1348     | 4/1/2011 14:46 | 12.33  | 38.53  | 24.48        | 9.91    | 7.94 | 6.2        | 2.56   | 108.1 |
| 1349     | 4/1/2011 15:01 | 12.40  | 38.17  | 24.23        | 9.82    | 7.94 | 7.8        | 2.46   | 107.0 |
| 1350     | 4/1/2011 15:16 | 12.56  | 37.80  | 23.98        | 10.19   | 7.96 | 5.6        | 2.37   | 111.2 |
| 1351     | 4/1/2011 15:31 | 12.62  | 37.35  | 23.67        | 10.11   | 7.96 | 6.3        | 2.27   | 110.3 |
| 1352     | 4/1/2011 15:46 | 12.78  | 37.46  | 23.74        | 10.17   | 8.01 | 5.6        | 2.21   | 111.4 |
| 1353     | 4/1/2011 16:01 | 12.86  | 37.48  | 23.76        | 10.46   | 8.02 | 5.8        | 2.09   | 114.7 |
| 1354     | 4/1/2011 16:16 | 12.65  | 37.13  | 23.51        | 10.20   | 7.97 | 5.6        | 2.01   | 111.3 |
| 1355     | 4/1/2011 16:31 | 12.85  | 36.95  | 23.39        | 10.30   | 8.00 | 5.2        | 1.93   | 112.8 |
| 1356     | 4/1/2011 16:46 | 12.88  | 36.68  | 23.20        | 10.27   | 8.00 | 5.3        | 1.84   | 112.3 |
| 1357     | 4/1/2011 17:01 | 12.92  | 36.53  | 23.10        | 10.29   | 8.00 | 5.1        | 1.82   | 112.6 |
| 1358     | 4/1/2011 17:16 | 12.96  | 36.33  | 22.96        | 10.27   | 8.01 | 4.8        | 1.78   | 112.3 |
| 1359     | 4/1/2011 17:31 | 12.81  | 36.77  | 23.27        | 10.07   | 7.99 | 4.9        | 1.72   | 110.0 |
| 1360     | 4/1/2011 17:46 | 12.93  | 36.64  | 23.18        | 10.20   | 7.99 | 5.9        | 1.73   | 111.7 |
| 1361     | 4/1/2011 18:01 | 12.87  | 36.42  | 23.03        | 10.19   | 7.99 | 5.5        | 1.74   | 111.3 |
| 1362     | 4/1/2011 18:16 | 12.86  | 36.52  | 23.09        | 10.16   | 7.98 | 4.6        | 1.79   | 111.0 |
| 1363     | 4/1/2011 18:31 | 12.59  | 37.12  | 23.50        | 9.89    | 7.95 | 5.1        | 1.85   | 107.7 |
| 1364     | 4/1/2011 18:46 | 12.65  | 36.82  | 23.29        | 9.96    | 7.95 | 4.9        | 1.88   | 108.5 |
| 1365     | 4/1/2011 19:01 | 12.80  | 36.29  | 22.93        | 10.02   | 7.96 | 5.8        | 1.96   | 109.2 |
| 1366     | 4/1/2011 19:16 | 12.73  | 36.05  | 22.76        | 9.92    | 7.94 | 5.9        | 2.05   | 107.9 |
| 1367     | 4/1/2011 19:31 | 12.58  | 36.55  | 23.11        | 9.81    | 7.93 | 5.7        | 2.13   | 106.5 |
| 1368     | 4/1/2011 19:46 | 12.57  | 36.98  | 23.40        | 9.82    | 7.93 | 6.0        | 2.23   | 106.8 |
| 1369     | 4/1/2011 20:01 | 12.50  | 37.36  | 23.67        | 9.77    | 7.93 | 6.8        | 2.30   | 106.4 |
| 1370     | 4/1/2011 20:16 | 12.42  | 37.61  | 23.84        | 9.71    | 7.93 | 7.0        | 2.39   | 105.6 |
| 1371     | 4/1/2011 20:31 | 12.30  | 38.11  | 24.19        | 9.67    | 7.92 | 8.3        | 2.48   | 105.1 |
| 1372     | 4/1/2011 20:46 | 12.16  | 39.21  | 24.95        | 9.60    | 7.92 | 6.7        | 2.55   | 104.6 |
| 1373     | 4/1/2011 21:01 | 12.12  | 39.35  | 25.05        | 9.58    | 7.92 | 6.8        | 2.66   | 104.3 |
| 1374     | 4/1/2011 21:16 | 12.17  | 38.86  | 24.71        | 9.63    | 7.93 | 8.2        | 2.72   | 104.8 |
| 1375     | 4/1/2011 21:31 | 12.05  | 39.60  | 25.23        | 9.58    | 7.92 | 8.2        | 2.83   | 104.3 |
| 1376     | 4/1/2011 21:46 | 11.94  | 40.22  | 25.65        | 9.56    | 7.92 | 7.3        | 2.91   | 104.0 |
| 1377     | 4/1/2011 22:01 | 11.80  | 40.79  | 26.05        | 9.51    | 7.92 | 7.6        | 2.97   | 103.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1378     | 4/1/2011 22:16 | 11.71  | 41.03  | 26.22        | 9.52    | 7.92 | 7.2               | 3.05            | 103.5 |
| 1379     | 4/1/2011 22:31 | 11.59  | 41.73  | 26.71        | 9.46    | 7.92 | 7.9               | 3.12            | 102.9 |
| 1380     | 4/1/2011 22:46 | 11.33  | 43.15  | 27.70        | 9.38    | 7.92 | 9.9               | 3.19            | 102.2 |
| 1381     | 4/1/2011 23:01 | 11.24  | 43.63  | 28.04        | 9.37    | 7.93 | 16.4              | 3.28            | 102.0 |
| 1382     | 4/1/2011 23:16 | 11.16  | 44.39  | 28.58        | 9.42    | 7.92 | 14.8              | 3.36            | 102.8 |
| 1383     | 4/1/2011 23:31 | 11.13  | 44.60  | 28.72        | 9.43    | 7.93 | 12.9              | 3.39            | 102.9 |
| 1384     | 4/1/2011 23:46 | 11.11  | 44.76  | 28.84        | 9.40    | 7.93 | 10.8              | 3.44            | 102.6 |
| 1385     | 4/2/2011 0:01  | 11.08  | 44.90  | 28.94        | 9.41    | 7.93 | 10.2              | 3.47            | 102.6 |
| 1386     | 4/2/2011 0:16  | 11.15  | 44.65  | 28.76        | 9.34    | 7.93 | 9.4               | 3.48            | 101.9 |
| 1387     | 4/2/2011 0:31  | 11.09  | 45.00  | 29.01        | 9.32    | 7.92 | 11.0              | 3.49            | 101.8 |
| 1388     | 4/2/2011 0:46  | 11.19  | 43.96  | 28.27        | 9.36    | 7.93 | 9.6               | 3.45            | 102.0 |
| 1389     | 4/2/2011 1:01  | 11.44  | 42.38  | 27.16        | 9.35    | 7.92 | 19.2              | 3.37            | 101.7 |
| 1390     | 4/2/2011 1:16  | 11.23  | 43.51  | 27.95        | 9.38    | 7.92 | 21.5              | 3.32            | 102.1 |
| 1391     | 4/2/2011 1:31  | 11.34  | 42.93  | 27.55        | 9.44    | 7.93 | 21.3              | 3.23            | 102.7 |
| 1392     | 4/2/2011 1:46  | 11.49  | 41.89  | 26.82        | 9.42    | 7.93 | 23.9              | 3.12            | 102.3 |
| 1393     | 4/2/2011 2:01  | 11.48  | 42.06  | 26.94        | 9.39    | 7.92 | 24.7              | 3.04            | 102.1 |
| 1394     | 4/2/2011 2:16  | 11.54  | 41.40  | 26.48        | 9.42    | 7.92 | 34.4              | 2.97            | 102.2 |
| 1395     | 4/2/2011 2:31  | 11.43  | 41.57  | 26.59        | 9.42    | 7.91 | 36.7              | 2.86            | 102.0 |
| 1396     | 4/2/2011 2:46  | 11.56  | 40.74  | 26.01        | 9.43    | 7.92 | 38.8              | 2.75            | 102.0 |
| 1397     | 4/2/2011 3:01  | 11.73  | 39.65  | 25.25        | 9.45    | 7.91 | 34.8              | 2.65            | 102.2 |
| 1398     | 4/2/2011 3:16  | 11.79  | 39.22  | 24.95        | 9.46    | 7.92 | 36.2              | 2.55            | 102.2 |
| 1399     | 4/2/2011 3:31  | 11.71  | 39.17  | 24.91        | 9.47    | 7.91 | 32.9              | 2.45            | 102.1 |
| 1400     | 4/2/2011 3:46  | 12.02  | 37.95  | 24.07        | 9.48    | 7.91 | 29.3              | 2.34            | 102.4 |
| 1401     | 4/2/2011 4:01  | 11.88  | 38.11  | 24.18        | 9.48    | 7.91 | 29.5              | 2.22            | 102.2 |
| 1402     | 4/2/2011 4:16  | 12.00  | 37.68  | 23.88        | 9.47    | 7.91 | 30.6              | 2.15            | 102.1 |
| 1403     | 4/2/2011 4:31  | 11.91  | 37.60  | 23.82        | 9.48    | 7.92 | 28.1              | 2.03            | 102.0 |
| 1404     | 4/2/2011 4:46  | 11.89  | 37.50  | 23.75        | 9.48    | 7.92 | 32.0              | 1.93            | 101.9 |
| 1405     | 4/2/2011 5:01  | 11.94  | 37.33  | 23.63        | 9.48    | 7.92 | 28.7              | 1.86            | 101.9 |
| 1406     | 4/2/2011 5:16  | 11.90  | 37.32  | 23.62        | 9.47    | 7.92 | 29.4              | 1.77            | 101.7 |
| 1407     | 4/2/2011 5:31  | 11.94  | 36.63  | 23.15        | 9.48    | 7.92 | 27.3              | 1.73            | 101.6 |
| 1408     | 4/2/2011 5:46  | 11.96  | 37.06  | 23.44        | 9.40    | 7.91 | 23.5              | 1.68            | 100.9 |
| 1409     | 4/2/2011 6:01  | 11.96  | 36.97  | 23.38        | 9.36    | 7.91 | 18.5              | 1.65            | 100.6 |
| 1410     | 4/2/2011 6:16  | 12.04  | 36.97  | 23.39        | 9.38    | 7.92 | 16.9              | 1.64            | 100.9 |
| 1411     | 4/2/2011 6:31  | 11.98  | 37.08  | 23.46        | 9.43    | 7.92 | 17.1              | 1.65            | 101.3 |
| 1412     | 4/2/2011 6:46  | 11.95  | 37.15  | 23.51        | 9.43    | 7.91 | 16.8              | 1.68            | 101.3 |
| 1413     | 4/2/2011 7:01  | 12.03  | 36.90  | 23.33        | 9.45    | 7.92 | 14.7              | 1.74            | 101.6 |
| 1414     | 4/2/2011 7:16  | 12.03  | 36.73  | 23.22        | 9.43    | 7.92 | 16.6              | 1.80            | 101.3 |
| 1415     | 4/2/2011 7:31  | 12.04  | 36.72  | 23.21        | 9.43    | 7.92 | 15.0              | 1.87            | 101.3 |
| 1416     | 4/2/2011 7:46  | 12.03  | 36.92  | 23.35        | 9.41    | 7.92 | 14.2              | 1.95            | 101.2 |
| 1417     | 4/2/2011 8:01  | 12.02  | 36.89  | 23.33        | 9.42    | 7.92 | 15.7              | 2.00            | 101.2 |
| 1418     | 4/2/2011 8:16  | 12.03  | 36.53  | 23.08        | 9.43    | 7.92 | 13.7              | 2.11            | 101.2 |
| 1419     | 4/2/2011 8:31  | 11.96  | 37.90  | 24.03        | 9.34    | 7.91 | 18.4              | 2.19            | 100.7 |
| 1420     | 4/2/2011 8:46  | 11.88  | 38.64  | 24.54        | 9.32    | 7.91 | 14.2              | 2.28            | 100.7 |
| 1421     | 4/2/2011 9:01  | 11.84  | 38.95  | 24.76        | 9.35    | 7.91 | 12.3              | 2.36            | 101.0 |
| 1422     | 4/2/2011 9:16  | 11.75  | 39.39  | 25.07        | 9.35    | 7.91 | 11.5              | 2.45            | 101.0 |
| 1423     | 4/2/2011 9:31  | 11.70  | 39.72  | 25.29        | 9.35    | 7.91 | 10.7              | 2.52            | 101.0 |
| 1424     | 4/2/2011 9:46  | 11.65  | 39.92  | 25.43        | 9.35    | 7.91 | 10.6              | 2.61            | 101.0 |
| 1425     | 4/2/2011 10:01 | 11.58  | 40.38  | 25.76        | 9.34    | 7.91 | 11.8              | 2.69            | 101.0 |
| 1426     | 4/2/2011 10:16 | 11.53  | 40.20  | 25.63        | 9.38    | 7.91 | 12.7              | 2.75            | 101.2 |
| 1427     | 4/2/2011 10:31 | 11.50  | 40.57  | 25.89        | 9.38    | 7.91 | 12.2              | 2.84            | 101.3 |
| 1428     | 4/2/2011 10:46 | 11.48  | 40.60  | 25.90        | 9.37    | 7.91 | 11.4              | 2.91            | 101.1 |
| 1429     | 4/2/2011 11:01 | 11.41  | 41.20  | 26.33        | 9.36    | 7.91 | 11.5              | 2.98            | 101.1 |
| 1430     | 4/2/2011 11:16 | 11.39  | 41.49  | 26.53        | 9.37    | 7.91 | 10.4              | 3.04            | 101.4 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1431     | 4/2/2011 11:31 | 11.34  | 42.00  | 26.89        | 9.32    | 7.91 | 9.6               | 3.11            | 100.9 |
| 1432     | 4/2/2011 11:46 | 11.33  | 42.19  | 27.02        | 9.29    | 7.91 | 9.9               | 3.16            | 100.7 |
| 1433     | 4/2/2011 12:01 | 11.30  | 42.46  | 27.22        | 9.30    | 7.91 | 9.4               | 3.20            | 100.9 |
| 1434     | 4/2/2011 12:16 | 11.26  | 42.73  | 27.40        | 9.23    | 7.91 | 8.1               | 3.25            | 100.1 |
| 1435     | 4/2/2011 12:31 | 11.25  | 42.85  | 27.49        | 9.09    | 7.90 | 8.0               | 3.26            | 98.6  |
| 1436     | 4/2/2011 12:46 | 11.34  | 42.79  | 27.45        | 9.28    | 7.91 | 14.8              | 3.26            | 100.9 |
| 1437     | 4/2/2011 13:01 | 11.37  | 42.95  | 27.56        | 9.41    | 7.92 | 20.3              | 3.24            | 102.5 |
| 1438     | 4/2/2011 13:16 | 11.45  | 43.20  | 27.74        | 9.59    | 7.92 | 32.0              | 3.20            | 104.7 |
| 1439     | 4/2/2011 13:31 | 11.41  | 43.48  | 27.94        | 9.62    | 7.92 | 27.0              | 3.15            | 105.0 |
| 1440     | 4/2/2011 13:46 | 11.46  | 43.43  | 27.91        | 9.63    | 7.92 | 28.3              | 3.09            | 105.3 |
| 1441     | 4/2/2011 14:01 | 11.79  | 41.61  | 26.63        | 9.53    | 7.92 | 48.0              | 3.03            | 104.1 |
| 1442     | 4/2/2011 14:16 | 11.73  | 41.99  | 26.90        | 9.54    | 7.91 | 46.1              | 2.96            | 104.2 |
| 1443     | 4/2/2011 14:31 | 11.83  | 42.02  | 26.92        | 9.57    | 7.92 | 38.2              | 2.86            | 104.7 |
| 1444     | 4/2/2011 14:46 | 12.09  | 40.77  | 26.05        | 9.50    | 7.92 | 52.4              | 2.79            | 104.0 |
| 1445     | 4/2/2011 15:01 | 12.23  | 39.89  | 25.43        | 9.54    | 7.92 | 41.5              | 2.69            | 104.4 |
| 1446     | 4/2/2011 15:16 | 12.33  | 39.32  | 25.04        | 9.55    | 7.92 | 42.5              | 2.61            | 104.4 |
| 1447     | 4/2/2011 15:31 | 12.41  | 38.40  | 24.39        | 9.56    | 7.91 | 47.1              | 2.52            | 104.3 |
| 1448     | 4/2/2011 15:46 | 12.52  | 39.83  | 25.40        | 9.56    | 7.93 | 42.7              | 2.43            | 105.2 |
| 1449     | 4/2/2011 16:01 | 12.55  | 38.95  | 24.78        | 9.56    | 7.92 | 48.8              | 2.35            | 104.9 |
| 1450     | 4/2/2011 16:16 | 12.57  | 39.02  | 24.84        | 9.53    | 7.92 | 49.6              | 2.24            | 104.6 |
| 1451     | 4/2/2011 16:31 | 12.65  | 39.06  | 24.86        | 9.51    | 7.93 | 50.6              | 2.15            | 104.6 |
| 1452     | 4/2/2011 16:46 | 12.60  | 38.70  | 24.61        | 9.49    | 7.92 | 54.4              | 2.07            | 104.1 |
| 1453     | 4/2/2011 17:01 | 12.57  | 38.53  | 24.49        | 9.48    | 7.92 | 51.2              | 2.01            | 103.9 |
| 1454     | 4/2/2011 17:16 | 12.54  | 38.39  | 24.39        | 9.48    | 7.92 | 44.9              | 1.94            | 103.7 |
| 1455     | 4/2/2011 17:31 | 12.53  | 38.46  | 24.44        | 9.46    | 7.93 | 41.4              | 1.86            | 103.5 |
| 1456     | 4/2/2011 17:46 | 12.51  | 37.99  | 24.11        | 9.43    | 7.92 | 35.6              | 1.83            | 102.9 |
| 1457     | 4/2/2011 18:01 | 12.48  | 37.94  | 24.07        | 9.41    | 7.91 | 32.5              | 1.80            | 102.6 |
| 1458     | 4/2/2011 18:16 | 12.46  | 38.04  | 24.14        | 9.34    | 7.91 | 26.7              | 1.78            | 101.9 |
| 1459     | 4/2/2011 18:31 | 12.46  | 37.96  | 24.08        | 9.39    | 7.91 | 27.2              | 1.80            | 102.4 |
| 1460     | 4/2/2011 18:46 | 12.46  | 37.96  | 24.09        | 9.43    | 7.91 | 26.9              | 1.83            | 102.8 |
| 1461     | 4/2/2011 19:01 | 12.43  | 37.94  | 24.07        | 9.44    | 7.91 | 25.6              | 1.86            | 102.8 |
| 1462     | 4/2/2011 19:16 | 12.42  | 37.69  | 23.90        | 9.46    | 7.91 | 27.0              | 1.91            | 103.0 |
| 1463     | 4/2/2011 19:31 | 12.46  | 37.84  | 24.00        | 9.39    | 7.90 | 25.3              | 1.98            | 102.3 |
| 1464     | 4/2/2011 19:46 | 12.42  | 37.74  | 23.93        | 9.43    | 7.90 | 27.4              | 2.05            | 102.6 |
| 1465     | 4/2/2011 20:01 | 12.40  | 37.84  | 24.00        | 9.43    | 7.90 | 26.1              | 2.12            | 102.6 |
| 1466     | 4/2/2011 20:16 | 12.42  | 37.41  | 23.70        | 9.44    | 7.90 | 27.2              | 2.21            | 102.6 |
| 1467     | 4/2/2011 20:31 | 12.42  | 37.34  | 23.65        | 9.43    | 7.90 | 24.8              | 2.31            | 102.4 |
| 1468     | 4/2/2011 20:46 | 12.24  | 38.95  | 24.77        | 9.37    | 7.90 | 27.5              | 2.39            | 102.1 |
| 1469     | 4/2/2011 21:01 | 12.04  | 40.04  | 25.53        | 9.38    | 7.90 | 26.2              | 2.48            | 102.2 |
| 1470     | 4/2/2011 21:16 | 11.95  | 40.60  | 25.92        | 9.41    | 7.90 | 25.8              | 2.55            | 102.7 |
| 1471     | 4/2/2011 21:31 | 11.89  | 40.75  | 26.03        | 9.44    | 7.90 | 19.8              | 2.64            | 102.9 |
| 1472     | 4/2/2011 21:46 | 11.74  | 41.34  | 26.44        | 9.45    | 7.91 | 19.7              | 2.72            | 102.9 |
| 1473     | 4/2/2011 22:01 | 11.70  | 41.29  | 26.40        | 9.49    | 7.90 | 22.5              | 2.80            | 103.3 |
| 1474     | 4/2/2011 22:16 | 11.61  | 41.54  | 26.57        | 9.50    | 7.91 | 19.3              | 2.88            | 103.3 |
| 1475     | 4/2/2011 22:31 | 11.53  | 41.88  | 26.81        | 9.51    | 7.91 | 19.4              | 2.97            | 103.4 |
| 1476     | 4/2/2011 22:46 | 11.51  | 41.78  | 26.74        | 9.53    | 7.91 | 22.8              | 3.05            | 103.5 |
| 1477     | 4/2/2011 23:01 | 11.39  | 42.26  | 27.07        | 9.54    | 7.91 | 16.1              | 3.13            | 103.6 |
| 1478     | 4/2/2011 23:16 | 11.27  | 43.02  | 27.61        | 9.53    | 7.91 | 13.9              | 3.20            | 103.5 |
| 1479     | 4/2/2011 23:31 | 11.22  | 43.36  | 27.85        | 9.52    | 7.91 | 14.2              | 3.26            | 103.4 |
| 1480     | 4/2/2011 23:46 | 11.17  | 43.60  | 28.02        | 9.51    | 7.91 | 12.5              | 3.32            | 103.4 |
| 1481     | 4/3/2011 0:01  | 11.11  | 44.19  | 28.43        | 9.53    | 7.91 | 11.5              | 3.38            | 103.7 |
| 1482     | 4/3/2011 0:16  | 11.14  | 43.70  | 28.09        | 9.49    | 7.91 | 11.7              | 3.40            | 103.2 |
| 1483     | 4/3/2011 0:31  | 11.11  | 43.87  | 28.20        | 9.50    | 7.91 | 11.7              | 3.43            | 103.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1484     | 4/3/2011 0:46  | 11.13  | 44.22  | 28.46        | 9.38    | 7.91 | 9.9        | 3.43   | 102.1 |
| 1485     | 4/3/2011 1:01  | 11.10  | 43.97  | 28.27        | 9.42    | 7.91 | 13.2       | 3.42   | 102.5 |
| 1486     | 4/3/2011 1:16  | 10.93  | 43.15  | 27.68        | 9.54    | 7.91 | 24.2       | 3.38   | 102.9 |
| 1487     | 4/3/2011 1:31  | 10.92  | 43.34  | 27.82        | 9.55    | 7.91 | 19.5       | 3.35   | 103.1 |
| 1488     | 4/3/2011 1:46  | 10.93  | 42.89  | 27.50        | 9.57    | 7.92 | 17.1       | 3.27   | 103.1 |
| 1489     | 4/3/2011 2:01  | 10.93  | 42.97  | 27.56        | 9.56    | 7.92 | 16.7       | 3.19   | 103.1 |
| 1490     | 4/3/2011 2:16  | 10.90  | 42.92  | 27.52        | 9.56    | 7.91 | 15.4       | 3.11   | 102.9 |
| 1491     | 4/3/2011 2:31  | 10.88  | 42.72  | 27.38        | 9.54    | 7.92 | 14.2       | 3.01   | 102.6 |
| 1492     | 4/3/2011 2:46  | 10.99  | 42.07  | 26.92        | 9.49    | 7.91 | 13.2       | 2.91   | 102.0 |
| 1493     | 4/3/2011 3:01  | 11.12  | 41.11  | 26.25        | 9.45    | 7.91 | 14.1       | 2.82   | 101.4 |
| 1494     | 4/3/2011 3:16  | 11.07  | 41.25  | 26.35        | 9.42    | 7.91 | 13.9       | 2.71   | 101.1 |
| 1495     | 4/3/2011 3:31  | 11.19  | 40.78  | 26.02        | 9.40    | 7.90 | 17.2       | 2.61   | 100.9 |
| 1496     | 4/3/2011 3:46  | 11.44  | 39.41  | 25.07        | 9.35    | 7.90 | 20.3       | 2.50   | 100.3 |
| 1497     | 4/3/2011 4:01  | 11.02  | 40.45  | 25.79        | 9.34    | 7.90 | 17.5       | 2.40   | 99.7  |
| 1498     | 4/3/2011 4:16  | 11.28  | 39.14  | 24.88        | 9.30    | 7.89 | 17.2       | 2.28   | 99.4  |
| 1499     | 4/3/2011 4:31  | 11.05  | 39.48  | 25.11        | 9.29    | 7.89 | 16.4       | 2.17   | 98.9  |
| 1500     | 4/3/2011 4:46  | 10.92  | 39.32  | 24.99        | 9.28    | 7.89 | 17.8       | 2.05   | 98.5  |
| 1501     | 4/3/2011 5:01  | 10.95  | 38.72  | 24.57        | 9.28    | 7.88 | 19.0       | 1.94   | 98.2  |
| 1502     | 4/3/2011 5:16  | 10.90  | 38.16  | 24.18        | 9.28    | 7.88 | 20.3       | 1.85   | 97.9  |
| 1503     | 4/3/2011 5:31  | 10.82  | 38.16  | 24.18        | 9.26    | 7.88 | 20.8       | 1.73   | 97.5  |
| 1504     | 4/3/2011 5:46  | 10.82  | 37.89  | 23.98        | 9.23    | 7.88 | 21.5       | 1.67   | 97.0  |
| 1505     | 4/3/2011 6:01  | 10.86  | 38.05  | 24.10        | 9.20    | 7.88 | 20.2       | 1.58   | 96.9  |
| 1506     | 4/3/2011 6:16  | 10.87  | 37.68  | 23.84        | 9.21    | 7.88 | 19.7       | 1.55   | 96.8  |
| 1507     | 4/3/2011 6:31  | 10.79  | 37.61  | 23.79        | 9.11    | 7.88 | 19.0       | 1.50   | 95.6  |
| 1508     | 4/3/2011 6:46  | 10.66  | 37.54  | 23.74        | 9.23    | 7.88 | 19.8       | 1.49   | 96.6  |
| 1509     | 4/3/2011 7:01  | 10.76  | 37.88  | 23.98        | 9.25    | 7.88 | 18.9       | 1.54   | 97.2  |
| 1510     | 4/3/2011 7:16  | 10.99  | 38.34  | 24.30        | 9.21    | 7.88 | 18.1       | 1.56   | 97.4  |
| 1511     | 4/3/2011 7:31  | 11.03  | 38.24  | 24.24        | 9.21    | 7.88 | 17.4       | 1.60   | 97.4  |
| 1512     | 4/3/2011 7:46  | 11.04  | 38.20  | 24.21        | 9.18    | 7.88 | 17.9       | 1.66   | 97.1  |
| 1513     | 4/3/2011 8:01  | 10.95  | 37.70  | 23.85        | 9.24    | 7.87 | 17.0       | 1.76   | 97.3  |
| 1514     | 4/3/2011 8:16  | 11.01  | 37.53  | 23.74        | 9.25    | 7.87 | 17.5       | 1.83   | 97.5  |
| 1515     | 4/3/2011 8:31  | 11.08  | 37.77  | 23.91        | 9.23    | 7.87 | 16.8       | 1.90   | 97.5  |
| 1516     | 4/3/2011 8:46  | 11.13  | 38.02  | 24.08        | 9.23    | 7.88 | 17.2       | 1.99   | 97.7  |
| 1517     | 4/3/2011 9:01  | 11.21  | 39.33  | 25.00        | 9.24    | 7.88 | 17.5       | 2.08   | 98.6  |
| 1518     | 4/3/2011 9:16  | 11.20  | 39.26  | 24.96        | 9.29    | 7.89 | 15.7       | 2.17   | 99.1  |
| 1519     | 4/3/2011 9:31  | 11.18  | 39.61  | 25.20        | 9.31    | 7.89 | 14.8       | 2.26   | 99.4  |
| 1520     | 4/3/2011 9:46  | 11.17  | 40.45  | 25.79        | 9.30    | 7.89 | 14.3       | 2.35   | 99.7  |
| 1521     | 4/3/2011 10:01 | 11.13  | 40.61  | 25.90        | 9.32    | 7.89 | 13.9       | 2.43   | 99.9  |
| 1522     | 4/3/2011 10:16 | 11.07  | 40.72  | 25.97        | 9.36    | 7.89 | 13.9       | 2.53   | 100.3 |
| 1523     | 4/3/2011 10:31 | 11.04  | 41.63  | 26.62        | 9.35    | 7.90 | 16.0       | 2.60   | 100.4 |
| 1524     | 4/3/2011 10:46 | 11.04  | 41.41  | 26.46        | 9.40    | 7.90 | 14.5       | 2.68   | 100.9 |
| 1525     | 4/3/2011 11:01 | 11.02  | 42.08  | 26.93        | 9.39    | 7.90 | 16.4       | 2.77   | 101.0 |
| 1526     | 4/3/2011 11:16 | 10.97  | 42.61  | 27.31        | 9.40    | 7.90 | 20.9       | 2.85   | 101.2 |
| 1527     | 4/3/2011 11:31 | 10.97  | 42.71  | 27.38        | 9.41    | 7.90 | 20.0       | 2.91   | 101.4 |
| 1528     | 4/3/2011 11:46 | 10.94  | 42.93  | 27.53        | 9.43    | 7.90 | 16.8       | 2.99   | 101.7 |
| 1529     | 4/3/2011 12:01 | 10.89  | 43.12  | 27.66        | 9.45    | 7.90 | 19.0       | 3.06   | 101.8 |
| 1530     | 4/3/2011 12:16 | 10.74  | 43.55  | 27.96        | 9.43    | 7.90 | 25.4       | 3.11   | 101.5 |
| 1531     | 4/3/2011 12:31 | 10.66  | 43.98  | 28.26        | 9.43    | 7.90 | 16.3       | 3.16   | 101.5 |
| 1532     | 4/3/2011 12:46 | 10.76  | 44.13  | 28.38        | 9.43    | 7.90 | 12.0       | 3.21   | 101.9 |
| 1533     | 4/3/2011 13:01 | 10.57  | 44.33  | 28.51        | 9.39    | 7.89 | 11.7       | 3.24   | 101.1 |
| 1534     | 4/3/2011 13:16 | 10.51  | 44.70  | 28.77        | 9.31    | 7.89 | 10.3       | 3.25   | 100.2 |
| 1535     | 4/3/2011 13:31 | 10.60  | 44.33  | 28.51        | 9.33    | 7.89 | 12.2       | 3.24   | 100.5 |
| 1536     | 4/3/2011 13:46 | 10.65  | 44.29  | 28.49        | 9.37    | 7.89 | 12.2       | 3.23   | 101.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1537     | 4/3/2011 14:01 | 11.00  | 43.59  | 28.00        | 9.44    | 7.91 | 15.7              | 3.21            | 102.2 |
| 1538     | 4/3/2011 14:16 | 11.45  | 43.36  | 27.86        | 9.75    | 7.92 | 20.4              | 3.12            | 106.5 |
| 1539     | 4/3/2011 14:31 | 11.37  | 43.49  | 27.95        | 9.73    | 7.91 | 21.4              | 3.05            | 106.2 |
| 1540     | 4/3/2011 14:46 | 11.44  | 43.47  | 27.93        | 9.71    | 7.91 | 21.5              | 3.00            | 106.1 |
| 1541     | 4/3/2011 15:01 | 11.67  | 42.71  | 27.41        | 9.70    | 7.92 | 24.0              | 2.89            | 106.2 |
| 1542     | 4/3/2011 15:16 | 11.83  | 42.09  | 26.97        | 9.71    | 7.93 | 26.7              | 2.80            | 106.4 |
| 1543     | 4/3/2011 15:31 | 11.87  | 42.35  | 27.16        | 9.74    | 7.92 | 24.4              | 2.73            | 106.9 |
| 1544     | 4/3/2011 15:46 | 12.05  | 41.86  | 26.82        | 9.66    | 7.92 | 29.5              | 2.63            | 106.2 |
| 1545     | 4/3/2011 16:01 | 12.10  | 41.00  | 26.21        | 9.72    | 7.92 | 25.0              | 2.53            | 106.6 |
| 1546     | 4/3/2011 16:16 | 12.25  | 40.69  | 26.00        | 9.74    | 7.92 | 24.7              | 2.46            | 107.0 |
| 1547     | 4/3/2011 16:31 | 12.41  | 40.53  | 25.89        | 9.83    | 7.94 | 23.4              | 2.34            | 108.2 |
| 1548     | 4/3/2011 16:46 | 12.50  | 39.96  | 25.49        | 9.69    | 7.94 | 23.5              | 2.27            | 106.7 |
| 1549     | 4/3/2011 17:01 | 12.38  | 39.57  | 25.21        | 9.62    | 7.92 | 24.4              | 2.20            | 105.5 |
| 1550     | 4/3/2011 17:16 | 12.42  | 39.82  | 25.39        | 9.68    | 7.93 | 24.4              | 2.08            | 106.3 |
| 1551     | 4/3/2011 17:31 | 12.38  | 39.37  | 25.07        | 9.62    | 7.93 | 21.6              | 2.02            | 105.4 |
| 1552     | 4/3/2011 17:46 | 12.44  | 39.15  | 24.92        | 9.67    | 7.94 | 19.7              | 1.97            | 105.9 |
| 1553     | 4/3/2011 18:01 | 12.42  | 39.18  | 24.94        | 9.62    | 7.94 | 18.3              | 1.92            | 105.4 |
| 1554     | 4/3/2011 18:16 | 12.41  | 38.85  | 24.71        | 9.56    | 7.94 | 16.5              | 1.89            | 104.5 |
| 1555     | 4/3/2011 18:31 | 12.39  | 39.08  | 24.87        | 9.48    | 7.94 | 13.2              | 1.85            | 103.7 |
| 1556     | 4/3/2011 18:46 | 12.33  | 39.34  | 25.05        | 9.55    | 7.93 | 14.5              | 1.88            | 104.5 |
| 1557     | 4/3/2011 19:01 | 12.31  | 39.37  | 25.07        | 9.58    | 7.93 | 16.1              | 1.90            | 104.8 |
| 1558     | 4/3/2011 19:16 | 12.29  | 39.17  | 24.93        | 9.61    | 7.93 | 14.0              | 1.91            | 104.9 |
| 1559     | 4/3/2011 19:31 | 12.32  | 38.91  | 24.75        | 9.62    | 7.93 | 15.1              | 1.96            | 104.9 |
| 1560     | 4/3/2011 19:46 | 12.32  | 39.17  | 24.93        | 9.59    | 7.92 | 16.1              | 2.04            | 104.8 |
| 1561     | 4/3/2011 20:01 | 12.28  | 39.02  | 24.82        | 9.55    | 7.92 | 18.1              | 2.09            | 104.2 |
| 1562     | 4/3/2011 20:16 | 12.35  | 38.68  | 24.58        | 9.61    | 7.92 | 14.2              | 2.16            | 104.8 |
| 1563     | 4/3/2011 20:31 | 12.31  | 38.90  | 24.74        | 9.55    | 7.91 | 14.3              | 2.26            | 104.3 |
| 1564     | 4/3/2011 20:46 | 12.29  | 39.04  | 24.84        | 9.51    | 7.90 | 15.9              | 2.34            | 103.8 |
| 1565     | 4/3/2011 21:01 | 12.16  | 39.58  | 25.22        | 9.49    | 7.90 | 15.8              | 2.42            | 103.6 |
| 1566     | 4/3/2011 21:16 | 11.93  | 40.27  | 25.69        | 9.50    | 7.90 | 16.8              | 2.52            | 103.5 |
| 1567     | 4/3/2011 21:31 | 11.81  | 40.87  | 26.11        | 9.50    | 7.90 | 15.5              | 2.59            | 103.5 |
| 1568     | 4/3/2011 21:46 | 11.53  | 42.08  | 26.95        | 9.44    | 7.89 | 14.2              | 2.68            | 102.7 |
| 1569     | 4/3/2011 22:01 | 11.64  | 41.51  | 26.55        | 9.50    | 7.90 | 12.6              | 2.76            | 103.3 |
| 1570     | 4/3/2011 22:16 | 11.58  | 41.58  | 26.60        | 9.48    | 7.90 | 12.2              | 2.83            | 103.1 |
| 1571     | 4/3/2011 22:31 | 11.50  | 41.75  | 26.72        | 9.53    | 7.90 | 12.9              | 2.92            | 103.4 |
| 1572     | 4/3/2011 22:46 | 11.42  | 41.99  | 26.89        | 9.51    | 7.90 | 13.4              | 3.00            | 103.2 |
| 1573     | 4/3/2011 23:01 | 11.20  | 42.81  | 27.45        | 9.47    | 7.90 | 10.4              | 3.08            | 102.7 |
| 1574     | 4/3/2011 23:16 | 10.93  | 43.95  | 28.26        | 9.33    | 7.88 | 13.6              | 3.16            | 101.0 |
| 1575     | 4/3/2011 23:31 | 10.70  | 45.05  | 29.03        | 9.20    | 7.87 | 20.4              | 3.23            | 99.6  |
| 1576     | 4/3/2011 23:46 | 10.63  | 45.36  | 29.24        | 9.13    | 7.87 | 25.9              | 3.32            | 98.9  |
| 1577     | 4/4/2011 0:01  | 10.55  | 45.69  | 29.47        | 9.00    | 7.86 | 28.1              | 3.39            | 97.5  |
| 1578     | 4/4/2011 0:16  | 10.46  | 46.36  | 29.95        | 8.89    | 7.85 | 26.1              | 3.44            | 96.3  |
| 1579     | 4/4/2011 0:31  | 10.41  | 46.63  | 30.14        | 8.83    | 7.85 | 21.2              | 3.50            | 95.7  |
| 1580     | 4/4/2011 0:46  | 10.37  | 46.74  | 30.22        | 8.79    | 7.85 | 15.0              | 3.54            | 95.2  |
| 1581     | 4/4/2011 1:01  | 10.45  | 46.38  | 29.97        | 8.82    | 7.86 | 12.2              | 3.54            | 95.6  |
| 1582     | 4/4/2011 1:16  | 10.40  | 46.62  | 30.13        | 8.70    | 7.85 | 10.5              | 3.55            | 94.2  |
| 1583     | 4/4/2011 1:31  | 10.38  | 46.71  | 30.20        | 8.72    | 7.85 | 10.7              | 3.52            | 94.5  |
| 1584     | 4/4/2011 1:46  | 10.44  | 46.42  | 29.99        | 8.80    | 7.85 | 16.9              | 3.45            | 95.3  |
| 1585     | 4/4/2011 2:01  | 11.03  | 42.74  | 27.40        | 9.22    | 7.89 | 17.4              | 3.41            | 99.5  |
| 1586     | 4/4/2011 2:16  | 10.93  | 43.37  | 27.84        | 9.16    | 7.87 | 13.3              | 3.34            | 99.0  |
| 1587     | 4/4/2011 2:31  | 10.89  | 43.74  | 28.10        | 9.14    | 7.87 | 25.4              | 3.20            | 98.8  |
| 1588     | 4/4/2011 2:46  | 10.94  | 43.57  | 27.98        | 9.19    | 7.88 | 27.9              | 3.09            | 99.3  |
| 1589     | 4/4/2011 3:01  | 10.95  | 43.62  | 28.02        | 9.21    | 7.88 | 24.8              | 3.01            | 99.6  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time   | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%    |
|----------|---------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|--------|
| 1590     | 4/4/2011 3:16 | 10.99  | 43.10           | 27.65        | 9.22            | 7.88 | 20.4              | 2.91            | 99.6   |
| 1591     | 4/4/2011 3:31 | 11.11  | 42.28           | 27.08        | 9.23            | 7.88 | 15.4              | 2.78            | 99.6   |
| 1592     | 4/4/2011 3:46 | 11.13  | 42.06           | 26.92        | 9.25            | 7.88 | 10.7              | 2.68            | 99.8   |
| 1593     | 4/4/2011 4:01 | 11.21  | 41.72           | 26.69        | 9.20            | 7.89 | 11.0              | 2.59            | 99.3   |
| 1594     | 4/4/2011 4:16 | 11.23  | 41.40           | 26.46        | 9.26            | 7.88 | 12.7              | 2.46            | 99.8   |
| 1595     | 4/4/2011 4:31 | 11.12  | 41.32           | 26.40        | 9.19            | 7.88 | 11.0              | 2.35            | 98.8   |
| 1596     | 4/4/2011 4:46 | 11.23  | 40.53           | 25.85        | 9.23            | 7.88 | 12.5              | 2.23            | 99.1   |
| 1597     | 4/4/2011 5:01 | 11.30  | 39.97           | 25.46        | 9.20            | 7.89 | 12.3              | 2.12            | 98.7   |
| 1598     | 4/4/2011 5:16 | 11.20  | 39.97           | 25.45        | 9.16            | 7.88 | 11.1              | 1.99            | 98.1   |
| 1599     | 4/4/2011 5:31 | 11.31  | 39.67           | 25.25        | 9.14            | 7.88 | 11.6              | 1.87            | 97.9   |
| 1600     | 4/4/2011 5:46 | 11.29  | 39.41           | 25.07        | 9.16            | 7.89 | 11.5              | 1.75            | 98.0   |
| 1601     | 4/4/2011 6:01 | 11.30  | 39.25           | 24.95        | 9.15            | 7.89 | 11.1              | 1.67            | 97.8   |
| 1602     | 4/4/2011 6:16 | 11.30  | 39.20           | 24.92        | 9.12            | 7.89 | 11.2              | 1.57            | 97.5   |
| 1603     | 4/4/2011 6:31 | 11.33  | 39.26           | 24.96        | 9.06            | 7.89 | 10.4              | 1.51            | 97.0   |
| 1604     | 4/4/2011 6:46 | 11.26  | 39.21           | 24.92        | 9.12            | 7.89 | 10.3              | 1.47            | 97.4   |
| 1605     | 4/4/2011 7:01 | 11.27  | 39.18           | 24.90        | 9.09            | 7.89 | 9.8               | 1.44            | 97.1   |
| 1606     | 4/4/2011 7:16 | 11.21  | 39.27           | 24.96        | 9.14            | 7.89 | 11.6              | 1.45            | 97.6   |
| 1607     | 4/4/2011 7:31 | 11.30  | 39.51           | 25.13        | 9.13            | 7.89 | 10.9              | 1.47            | 97.7   |
| 1608     | 4/4/2011 7:46 | 11.35  | 39.62           | 25.22        | 9.18            | 7.89 | 10.4              | 1.51            | 98.4   |
| 1609     | 4/4/2011 8:01 | 11.38  | 39.71           | 25.28        | 9.16            | 7.89 | 10.6              | 1.57            | 98.3   |
| 1610     | 4/4/2011 8:16 | 11.26  | 39.05           | 24.81        | 9.18            | 7.88 | 10.8              | 1.64            | 98.0   |
| Mean     |               | 10.62  | 38.46           | 24.39        | 9.66            | 7.86 | 13.47             | 2.66            | 101.37 |
| Minimum  |               | 9.19   | 32.96           | 20.55        | 8.70            | 7.72 | 4.20              | 1.13            | 94.20  |
| Maximum  |               | 13.41  | 46.74           | 30.22        | 10.76           | 8.02 | 54.40             | 4.13            | 117.30 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 0        | 4/5/2011 14:46 | 11.31  | 45.18  | 29.15        | 9.19    | 7.82 | 9.3        | 3.10   | 100.9 |
| 1        | 4/5/2011 15:01 | 10.79  | 46.08  | 29.77        | 8.74    | 7.84 | 8.8        | 3.09   | 95.3  |
| 2        | 4/5/2011 15:16 | 11.66  | 45.23  | 29.20        | 9.47    | 7.84 | 14.3       | 3.05   | 104.8 |
| 3        | 4/5/2011 15:31 | 11.80  | 45.17  | 29.16        | 9.60    | 7.85 | 12.4       | 3.01   | 106.6 |
| 4        | 4/5/2011 15:46 | 11.69  | 45.43  | 29.35        | 9.57    | 7.85 | 12.9       | 2.94   | 106.1 |
| 5        | 4/5/2011 16:01 | 11.83  | 45.12  | 29.13        | 9.58    | 7.85 | 16.5       | 2.86   | 106.4 |
| 6        | 4/5/2011 16:16 | 12.17  | 44.43  | 28.65        | 9.66    | 7.87 | 17.7       | 2.80   | 107.7 |
| 7        | 4/5/2011 16:31 | 12.22  | 44.21  | 28.50        | 9.69    | 7.88 | 17.9       | 2.72   | 108.1 |
| 8        | 4/5/2011 16:46 | 12.21  | 43.93  | 28.29        | 9.74    | 7.88 | 19.8       | 2.63   | 108.5 |
| 9        | 4/5/2011 17:01 | 12.34  | 43.43  | 27.94        | 9.79    | 7.88 | 19.3       | 2.57   | 109.0 |
| 10       | 4/5/2011 17:16 | 12.48  | 42.79  | 27.49        | 9.81    | 7.90 | 19.3       | 2.48   | 109.3 |
| 11       | 4/5/2011 17:31 | 12.60  | 42.92  | 27.59        | 9.97    | 7.92 | 17.1       | 2.37   | 111.4 |
| 12       | 4/5/2011 17:46 | 12.72  | 42.35  | 27.18        | 9.96    | 7.92 | 16.3       | 2.33   | 111.3 |
| 13       | 4/5/2011 18:01 | 12.79  | 42.08  | 27.00        | 9.94    | 7.93 | 15.7       | 2.25   | 111.1 |
| 14       | 4/5/2011 18:16 | 12.88  | 41.93  | 26.89        | 9.91    | 7.93 | 17.8       | 2.19   | 110.9 |
| 15       | 4/5/2011 18:31 | 12.90  | 41.89  | 26.87        | 9.87    | 7.93 | 18.2       | 2.12   | 110.5 |
| 16       | 4/5/2011 18:46 | 12.85  | 42.15  | 27.05        | 9.85    | 7.94 | 18.1       | 2.10   | 110.2 |
| 17       | 4/5/2011 19:01 | 12.93  | 41.69  | 26.72        | 9.75    | 7.93 | 15.1       | 2.05   | 109.2 |
| 18       | 4/5/2011 19:16 | 12.87  | 41.76  | 26.77        | 9.75    | 7.93 | 14.4       | 2.03   | 109.1 |
| 19       | 4/5/2011 19:31 | 12.83  | 41.83  | 26.82        | 9.70    | 7.93 | 13.7       | 2.03   | 108.4 |
| 20       | 4/5/2011 19:46 | 12.75  | 41.93  | 26.89        | 9.76    | 7.92 | 11.0       | 2.01   | 109.0 |
| 21       | 4/5/2011 20:01 | 12.75  | 41.92  | 26.88        | 9.79    | 7.92 | 10.6       | 2.03   | 109.3 |
| 22       | 4/5/2011 20:16 | 12.89  | 41.55  | 26.63        | 9.82    | 7.94 | 11.3       | 2.03   | 109.7 |
| 23       | 4/5/2011 20:31 | 12.83  | 41.65  | 26.70        | 9.78    | 7.93 | 11.4       | 2.10   | 109.3 |
| 24       | 4/5/2011 20:46 | 12.83  | 41.72  | 26.74        | 9.77    | 7.92 | 13.9       | 2.20   | 109.1 |
| 25       | 4/5/2011 21:01 | 12.76  | 41.84  | 26.83        | 9.75    | 7.92 | 12.7       | 2.23   | 108.9 |
| 26       | 4/5/2011 21:16 | 12.70  | 41.86  | 26.84        | 9.72    | 7.91 | 10.5       | 2.29   | 108.4 |
| 27       | 4/5/2011 21:31 | 12.69  | 41.89  | 26.86        | 9.72    | 7.91 | 10.7       | 2.36   | 108.4 |
| 28       | 4/5/2011 21:46 | 12.65  | 41.93  | 26.88        | 9.66    | 7.90 | 9.5        | 2.41   | 107.6 |
| 29       | 4/5/2011 22:01 | 12.62  | 42.09  | 27.00        | 9.66    | 7.89 | 10.1       | 2.50   | 107.6 |
| 30       | 4/5/2011 22:16 | 12.32  | 42.99  | 27.63        | 9.51    | 7.87 | 11.0       | 2.60   | 105.7 |
| 31       | 4/5/2011 22:31 | 11.98  | 43.91  | 28.27        | 9.36    | 7.85 | 10.4       | 2.67   | 103.7 |
| 32       | 4/5/2011 22:46 | 11.73  | 44.53  | 28.70        | 9.29    | 7.84 | 10.2       | 2.75   | 102.6 |
| 33       | 4/5/2011 23:01 | 11.82  | 44.21  | 28.48        | 9.31    | 7.86 | 9.3        | 2.80   | 103.0 |
| 34       | 4/5/2011 23:16 | 11.58  | 44.68  | 28.80        | 9.30    | 7.84 | 9.9        | 2.87   | 102.5 |
| 35       | 4/5/2011 23:31 | 11.66  | 44.34  | 28.57        | 9.35    | 7.85 | 11.4       | 2.94   | 103.0 |
| 36       | 4/5/2011 23:46 | 11.54  | 44.66  | 28.79        | 9.35    | 7.85 | 9.3        | 3.04   | 102.9 |
| 37       | 4/6/2011 0:01  | 11.30  | 45.45  | 29.34        | 9.17    | 7.83 | 8.3        | 3.12   | 100.8 |
| 38       | 4/6/2011 0:16  | 10.96  | 46.53  | 30.10        | 8.95    | 7.81 | 9.3        | 3.22   | 98.2  |
| 39       | 4/6/2011 0:31  | 10.76  | 47.09  | 30.49        | 8.89    | 7.80 | 10.2       | 3.26   | 97.3  |
| 40       | 4/6/2011 0:46  | 10.74  | 47.13  | 30.52        | 8.89    | 7.80 | 10.6       | 3.31   | 97.3  |
| 41       | 4/6/2011 1:01  | 10.69  | 47.42  | 30.73        | 8.97    | 7.80 | 13.2       | 3.40   | 98.1  |
| 42       | 4/6/2011 1:16  | 10.61  | 47.50  | 30.77        | 9.02    | 7.80 | 12.4       | 3.46   | 98.6  |
| 43       | 4/6/2011 1:31  | 10.52  | 47.77  | 30.96        | 9.06    | 7.80 | 10.7       | 3.49   | 99.0  |
| 44       | 4/6/2011 1:46  | 10.49  | 47.81  | 31.00        | 9.05    | 7.80 | 9.6        | 3.51   | 98.7  |
| 45       | 4/6/2011 2:01  | 10.59  | 47.65  | 30.89        | 8.97    | 7.80 | 8.2        | 3.55   | 98.1  |
| 46       | 4/6/2011 2:16  | 10.75  | 47.16  | 30.54        | 8.90    | 7.81 | 7.1        | 3.50   | 97.4  |
| 47       | 4/6/2011 2:31  | 10.87  | 46.67  | 30.20        | 8.94    | 7.81 | 7.7        | 3.47   | 97.8  |
| 48       | 4/6/2011 2:46  | 11.18  | 45.51  | 29.38        | 9.06    | 7.82 | 7.1        | 3.42   | 99.3  |
| 49       | 4/6/2011 3:01  | 11.21  | 45.16  | 29.13        | 9.14    | 7.83 | 7.4        | 3.33   | 100.2 |
| 50       | 4/6/2011 3:16  | 11.15  | 45.22  | 29.17        | 9.17    | 7.83 | 6.7        | 3.25   | 100.3 |
| 51       | 4/6/2011 3:31  | 11.12  | 45.27  | 29.20        | 9.18    | 7.83 | 6.6        | 3.15   | 100.4 |
| 52       | 4/6/2011 3:46  | 11.13  | 45.48  | 29.36        | 9.12    | 7.83 | 6.7        | 3.06   | 99.9  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 53       | 4/6/2011 4:01  | 11.23  | 45.19  | 29.15        | 9.13    | 7.83 | 6.8        | 2.99   | 100.1 |
| 54       | 4/6/2011 4:16  | 11.18  | 45.30  | 29.23        | 9.10    | 7.83 | 6.0        | 2.85   | 99.7  |
| 55       | 4/6/2011 4:31  | 11.26  | 45.03  | 29.04        | 9.10    | 7.83 | 7.0        | 2.77   | 99.8  |
| 56       | 4/6/2011 4:46  | 11.23  | 45.01  | 29.02        | 9.11    | 7.83 | 5.9        | 2.68   | 99.8  |
| 57       | 4/6/2011 5:01  | 11.42  | 44.24  | 28.48        | 9.14    | 7.84 | 5.7        | 2.57   | 100.2 |
| 58       | 4/6/2011 5:16  | 11.38  | 44.24  | 28.48        | 9.15    | 7.84 | 6.1        | 2.47   | 100.2 |
| 59       | 4/6/2011 5:31  | 11.86  | 43.11  | 27.69        | 9.26    | 7.87 | 10.4       | 2.33   | 101.9 |
| 60       | 4/6/2011 5:46  | 11.99  | 42.59  | 27.33        | 9.25    | 7.88 | 10.1       | 2.24   | 101.9 |
| 61       | 4/6/2011 6:01  | 11.75  | 43.02  | 27.63        | 9.16    | 7.85 | 7.5        | 2.12   | 100.5 |
| 62       | 4/6/2011 6:16  | 11.89  | 42.33  | 27.14        | 9.13    | 7.87 | 8.2        | 2.00   | 100.2 |
| 63       | 4/6/2011 6:31  | 11.94  | 42.31  | 27.13        | 9.14    | 7.87 | 8.4        | 1.88   | 100.5 |
| 64       | 4/6/2011 6:46  | 11.99  | 42.04  | 26.94        | 9.12    | 7.88 | 9.2        | 1.74   | 100.2 |
| 65       | 4/6/2011 7:01  | 11.97  | 41.94  | 26.87        | 9.10    | 7.88 | 9.7        | 1.66   | 99.9  |
| 66       | 4/6/2011 7:16  | 11.98  | 41.91  | 26.85        | 9.11    | 7.88 | 8.9        | 1.59   | 100.0 |
| 67       | 4/6/2011 7:31  | 11.99  | 41.80  | 26.77        | 9.13    | 7.88 | 9.1        | 1.48   | 100.2 |
| 68       | 4/6/2011 7:46  | 12.02  | 41.73  | 26.73        | 9.15    | 7.88 | 7.3        | 1.41   | 100.4 |
| 69       | 4/6/2011 8:01  | 12.04  | 41.71  | 26.71        | 9.10    | 7.89 | 7.4        | 1.39   | 99.9  |
| 70       | 4/6/2011 8:16  | 12.04  | 41.69  | 26.70        | 9.04    | 7.88 | 6.0        | 1.36   | 99.3  |
| 71       | 4/6/2011 8:31  | 12.00  | 41.83  | 26.80        | 9.12    | 7.88 | 7.3        | 1.33   | 100.2 |
| 72       | 4/6/2011 8:46  | 11.99  | 41.89  | 26.84        | 9.10    | 7.88 | 8.0        | 1.37   | 100.0 |
| 73       | 4/6/2011 9:01  | 11.99  | 41.91  | 26.85        | 9.11    | 7.87 | 7.9        | 1.38   | 100.1 |
| 74       | 4/6/2011 9:16  | 12.01  | 42.03  | 26.94        | 9.10    | 7.88 | 8.1        | 1.41   | 100.0 |
| 75       | 4/6/2011 9:31  | 12.01  | 42.04  | 26.94        | 9.09    | 7.87 | 7.7        | 1.51   | 99.9  |
| 76       | 4/6/2011 9:46  | 12.11  | 41.12  | 26.29        | 9.18    | 7.88 | 7.1        | 1.55   | 100.7 |
| 77       | 4/6/2011 10:01 | 12.06  | 41.35  | 26.46        | 9.12    | 7.87 | 8.0        | 1.65   | 100.1 |
| 78       | 4/6/2011 10:16 | 12.05  | 41.48  | 26.55        | 9.12    | 7.86 | 7.5        | 1.75   | 100.1 |
| 79       | 4/6/2011 10:31 | 12.03  | 41.73  | 26.73        | 9.08    | 7.87 | 7.3        | 1.83   | 99.7  |
| 80       | 4/6/2011 10:46 | 12.00  | 41.66  | 26.67        | 9.08    | 7.86 | 7.7        | 1.86   | 99.6  |
| 81       | 4/6/2011 11:01 | 11.80  | 43.02  | 27.63        | 9.03    | 7.85 | 8.7        | 1.99   | 99.3  |
| 82       | 4/6/2011 11:16 | 11.85  | 42.68  | 27.39        | 9.11    | 7.85 | 7.5        | 2.07   | 100.0 |
| 83       | 4/6/2011 11:31 | 11.80  | 43.00  | 27.61        | 9.13    | 7.85 | 7.2        | 2.13   | 100.3 |
| 84       | 4/6/2011 11:46 | 11.68  | 43.53  | 27.99        | 9.11    | 7.84 | 6.5        | 2.25   | 100.1 |
| 85       | 4/6/2011 12:01 | 11.71  | 43.47  | 27.94        | 9.09    | 7.84 | 6.4        | 2.33   | 100.0 |
| 86       | 4/6/2011 12:16 | 11.50  | 44.37  | 28.58        | 9.05    | 7.84 | 7.4        | 2.41   | 99.5  |
| 87       | 4/6/2011 12:31 | 11.48  | 44.42  | 28.62        | 9.07    | 7.84 | 6.8        | 2.46   | 99.7  |
| 88       | 4/6/2011 12:46 | 11.44  | 44.63  | 28.76        | 9.07    | 7.83 | 7.8        | 2.53   | 99.6  |
| 89       | 4/6/2011 13:01 | 11.40  | 44.83  | 28.90        | 9.08    | 7.83 | 8.4        | 2.63   | 99.8  |
| 90       | 4/6/2011 13:16 | 11.34  | 45.07  | 29.07        | 9.10    | 7.83 | 9.8        | 2.67   | 99.9  |
| 91       | 4/6/2011 13:31 | 11.38  | 45.11  | 29.11        | 9.14    | 7.83 | 8.9        | 2.76   | 100.5 |
| 92       | 4/6/2011 13:46 | 11.30  | 45.25  | 29.20        | 9.18    | 7.83 | 9.1        | 2.81   | 100.8 |
| 93       | 4/6/2011 14:01 | 11.08  | 45.78  | 29.57        | 9.24    | 7.82 | 12.9       | 2.90   | 101.2 |
| 94       | 4/6/2011 14:16 | 10.92  | 46.07  | 29.77        | 9.27    | 7.81 | 13.3       | 2.96   | 101.4 |
| 95       | 4/6/2011 14:31 | 10.78  | 46.42  | 30.01        | 9.34    | 7.80 | 10.6       | 3.00   | 102.0 |
| 96       | 4/6/2011 14:46 | 10.73  | 46.75  | 30.25        | 9.43    | 7.81 | 10.1       | 3.02   | 103.0 |
| 97       | 4/6/2011 15:01 | 10.93  | 46.37  | 29.98        | 9.35    | 7.82 | 6.8        | 3.04   | 102.4 |
| 98       | 4/6/2011 15:16 | 10.78  | 46.82  | 30.29        | 9.30    | 7.79 | 7.5        | 3.06   | 101.7 |
| 99       | 4/6/2011 15:31 | 10.74  | 46.98  | 30.41        | 9.46    | 7.80 | 8.8        | 3.08   | 103.4 |
| 100      | 4/6/2011 15:46 | 10.75  | 46.82  | 30.30        | 9.40    | 7.80 | 8.8        | 3.04   | 102.8 |
| 101      | 4/6/2011 16:01 | 10.78  | 46.88  | 30.34        | 9.34    | 7.80 | 9.4        | 2.98   | 102.2 |
| 102      | 4/6/2011 16:16 | 11.16  | 45.70  | 29.51        | 9.27    | 7.82 | 14.3       | 2.92   | 101.7 |
| 103      | 4/6/2011 16:31 | 11.27  | 45.54  | 29.40        | 9.25    | 7.83 | 11.7       | 2.86   | 101.6 |
| 104      | 4/6/2011 16:46 | 11.54  | 45.09  | 29.10        | 9.36    | 7.85 | 6.7        | 2.77   | 103.3 |
| 105      | 4/6/2011 17:01 | 11.61  | 45.11  | 29.11        | 9.55    | 7.86 | 6.2        | 2.72   | 105.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 106      | 4/6/2011 17:16 | 11.65  | 45.14  | 29.14        | 9.64    | 7.88 | 5.5        | 2.64   | 106.7 |
| 107      | 4/6/2011 17:31 | 11.70  | 44.77  | 28.87        | 9.64    | 7.89 | 4.9        | 2.57   | 106.5 |
| 108      | 4/6/2011 17:46 | 11.67  | 44.70  | 28.82        | 9.67    | 7.88 | 4.9        | 2.52   | 106.8 |
| 109      | 4/6/2011 18:01 | 11.83  | 44.01  | 28.34        | 9.69    | 7.88 | 5.4        | 2.45   | 107.1 |
| 110      | 4/6/2011 18:16 | 11.90  | 43.73  | 28.14        | 9.79    | 7.88 | 5.1        | 2.39   | 108.2 |
| 111      | 4/6/2011 18:31 | 11.93  | 43.48  | 27.96        | 9.77    | 7.89 | 4.7        | 2.32   | 107.9 |
| 112      | 4/6/2011 18:46 | 11.96  | 43.28  | 27.82        | 9.76    | 7.89 | 4.5        | 2.30   | 107.8 |
| 113      | 4/6/2011 19:01 | 11.94  | 43.25  | 27.80        | 9.78    | 7.90 | 5.2        | 2.22   | 107.9 |
| 114      | 4/6/2011 19:16 | 11.92  | 43.34  | 27.86        | 9.76    | 7.90 | 5.1        | 2.22   | 107.7 |
| 115      | 4/6/2011 19:31 | 12.04  | 42.82  | 27.50        | 9.74    | 7.90 | 4.7        | 2.18   | 107.5 |
| 116      | 4/6/2011 19:46 | 12.03  | 42.80  | 27.49        | 9.74    | 7.91 | 4.3        | 2.12   | 107.5 |
| 117      | 4/6/2011 20:01 | 11.89  | 43.37  | 27.88        | 9.51    | 7.89 | 4.6        | 2.09   | 104.8 |
| 118      | 4/6/2011 20:16 | 11.98  | 42.84  | 27.51        | 9.66    | 7.90 | 5.1        | 2.11   | 106.5 |
| 119      | 4/6/2011 20:31 | 11.98  | 42.43  | 27.22        | 9.74    | 7.91 | 5.2        | 2.11   | 107.2 |
| 120      | 4/6/2011 20:46 | 11.90  | 42.70  | 27.41        | 9.74    | 7.90 | 6.4        | 2.15   | 107.1 |
| 121      | 4/6/2011 21:01 | 11.87  | 43.20  | 27.76        | 9.61    | 7.88 | 6.5        | 2.16   | 105.9 |
| 122      | 4/6/2011 21:16 | 11.84  | 43.58  | 28.03        | 9.49    | 7.87 | 5.9        | 2.23   | 104.6 |
| 123      | 4/6/2011 21:31 | 11.77  | 43.31  | 27.84        | 9.59    | 7.88 | 6.1        | 2.28   | 105.5 |
| 124      | 4/6/2011 21:46 | 11.80  | 43.55  | 28.01        | 9.54    | 7.87 | 5.9        | 2.36   | 105.1 |
| 125      | 4/6/2011 22:01 | 11.72  | 44.07  | 28.38        | 9.45    | 7.86 | 6.8        | 2.43   | 104.2 |
| 126      | 4/6/2011 22:16 | 11.58  | 44.49  | 28.67        | 9.48    | 7.86 | 6.5        | 2.50   | 104.4 |
| 127      | 4/6/2011 22:31 | 11.49  | 44.67  | 28.79        | 9.48    | 7.85 | 7.4        | 2.55   | 104.3 |
| 128      | 4/6/2011 22:46 | 11.37  | 44.93  | 28.97        | 9.47    | 7.85 | 6.7        | 2.64   | 104.0 |
| 129      | 4/6/2011 23:01 | 11.29  | 45.06  | 29.06        | 9.48    | 7.84 | 7.6        | 2.72   | 104.0 |
| 130      | 4/6/2011 23:16 | 11.19  | 45.31  | 29.24        | 9.48    | 7.84 | 6.2        | 2.79   | 103.9 |
| 131      | 4/6/2011 23:31 | 11.10  | 45.53  | 29.39        | 9.51    | 7.84 | 6.5        | 2.89   | 104.2 |
| 132      | 4/6/2011 23:46 | 10.93  | 45.79  | 29.57        | 9.58    | 7.82 | 5.9        | 2.96   | 104.6 |
| 133      | 4/7/2011 0:01  | 10.74  | 46.14  | 29.81        | 9.63    | 7.76 | 6.3        | 3.02   | 104.9 |
| 134      | 4/7/2011 0:16  | 10.56  | 46.75  | 30.23        | 9.67    | 7.81 | 6.1        | 3.12   | 105.3 |
| 135      | 4/7/2011 0:31  | 10.37  | 47.48  | 30.75        | 9.72    | 7.84 | 6.1        | 3.19   | 105.7 |
| 136      | 4/7/2011 0:46  | 10.17  | 48.34  | 31.35        | 9.77    | 7.79 | 9.2        | 3.27   | 106.2 |
| 137      | 4/7/2011 1:01  | 10.11  | 48.43  | 31.41        | 9.77    | 7.79 | 10.2       | 3.32   | 106.1 |
| 138      | 4/7/2011 1:16  | 10.04  | 48.53  | 31.48        | 9.77    | 7.79 | 10.3       | 3.37   | 105.9 |
| 139      | 4/7/2011 1:31  | 10.01  | 48.57  | 31.51        | 9.77    | 7.79 | 9.5        | 3.43   | 105.8 |
| 140      | 4/7/2011 1:46  | 9.99   | 48.55  | 31.50        | 9.75    | 7.83 | 8.4        | 3.47   | 105.6 |
| 141      | 4/7/2011 2:01  | 9.94   | 48.64  | 31.56        | 9.72    | 7.79 | 8.0        | 3.49   | 105.2 |
| 142      | 4/7/2011 2:16  | 9.98   | 48.62  | 31.54        | 9.69    | 7.79 | 6.5        | 3.52   | 104.9 |
| 143      | 4/7/2011 2:31  | 9.98   | 48.57  | 31.51        | 9.67    | 7.83 | 7.0        | 3.53   | 104.7 |
| 144      | 4/7/2011 2:46  | 9.94   | 48.70  | 31.60        | 9.68    | 7.79 | 7.3        | 3.49   | 104.8 |
| 145      | 4/7/2011 3:01  | 10.02  | 48.50  | 31.46        | 9.67    | 7.82 | 7.8        | 3.44   | 104.8 |
| 146      | 4/7/2011 3:16  | 10.10  | 48.14  | 31.21        | 9.65    | 7.79 | 8.8        | 3.42   | 104.6 |
| 147      | 4/7/2011 3:31  | 10.26  | 47.17  | 30.52        | 9.61    | 7.81 | 6.8        | 3.34   | 104.1 |
| 148      | 4/7/2011 3:46  | 10.18  | 47.38  | 30.67        | 9.63    | 7.80 | 6.2        | 3.25   | 104.2 |
| 149      | 4/7/2011 4:01  | 10.13  | 47.47  | 30.73        | 9.64    | 7.84 | 5.2        | 3.18   | 104.3 |
| 150      | 4/7/2011 4:16  | 10.34  | 46.89  | 30.33        | 9.57    | 7.81 | 5.7        | 3.09   | 103.7 |
| 151      | 4/7/2011 4:31  | 10.44  | 46.13  | 29.78        | 9.54    | 7.81 | 5.1        | 3.00   | 103.3 |
| 152      | 4/7/2011 4:46  | 10.49  | 45.88  | 29.61        | 9.54    | 7.82 | 5.1        | 2.91   | 103.2 |
| 153      | 4/7/2011 5:01  | 10.58  | 45.84  | 29.59        | 9.49    | 7.82 | 5.3        | 2.82   | 102.8 |
| 154      | 4/7/2011 5:16  | 10.61  | 45.72  | 29.50        | 9.47    | 7.86 | 5.2        | 2.71   | 102.6 |
| 155      | 4/7/2011 5:31  | 10.40  | 46.01  | 29.69        | 9.49    | 7.85 | 5.3        | 2.60   | 102.5 |
| 156      | 4/7/2011 5:46  | 10.81  | 44.86  | 28.90        | 9.41    | 7.84 | 7.5        | 2.51   | 102.1 |
| 157      | 4/7/2011 6:01  | 11.08  | 43.94  | 28.26        | 9.43    | 7.85 | 8.1        | 2.37   | 102.4 |
| 158      | 4/7/2011 6:16  | 11.00  | 43.91  | 28.23        | 9.41    | 7.89 | 6.8        | 2.27   | 102.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 159      | 4/7/2011 6:31  | 10.90  | 43.95  | 28.26        | 9.40    | 7.89 | 6.0               | 2.16            | 101.7 |
| 160      | 4/7/2011 6:46  | 11.21  | 43.03  | 27.62        | 9.40    | 7.88 | 6.4               | 2.06            | 102.0 |
| 161      | 4/7/2011 7:01  | 10.94  | 43.26  | 27.76        | 9.40    | 7.90 | 5.9               | 1.94            | 101.5 |
| 162      | 4/7/2011 7:16  | 10.81  | 43.16  | 27.69        | 9.40    | 7.87 | 6.5               | 1.80            | 101.2 |
| 163      | 4/7/2011 7:31  | 10.89  | 42.86  | 27.48        | 9.41    | 7.91 | 6.5               | 1.71            | 101.3 |
| 164      | 4/7/2011 7:46  | 10.97  | 42.41  | 27.17        | 9.41    | 7.92 | 7.3               | 1.60            | 101.3 |
| 165      | 4/7/2011 8:01  | 11.00  | 42.22  | 27.03        | 9.41    | 7.89 | 7.9               | 1.51            | 101.3 |
| 166      | 4/7/2011 8:16  | 11.05  | 42.11  | 26.96        | 9.38    | 7.93 | 7.5               | 1.43            | 101.0 |
| 167      | 4/7/2011 8:31  | 11.04  | 42.12  | 26.96        | 9.34    | 7.89 | 7.0               | 1.38            | 100.6 |
| 168      | 4/7/2011 8:46  | 11.03  | 41.97  | 26.86        | 9.35    | 7.90 | 6.0               | 1.35            | 100.6 |
| 169      | 4/7/2011 9:01  | 11.16  | 42.39  | 27.15        | 9.29    | 7.88 | 6.5               | 1.28            | 100.4 |
| 170      | 4/7/2011 9:16  | 11.07  | 42.28  | 27.08        | 9.45    | 7.89 | 6.6               | 1.30            | 101.9 |
| 171      | 4/7/2011 9:31  | 11.14  | 42.48  | 27.22        | 9.38    | 7.87 | 5.6               | 1.37            | 101.4 |
| 172      | 4/7/2011 9:46  | 11.27  | 42.31  | 27.11        | 9.41    | 7.89 | 4.6               | 1.39            | 101.9 |
| 173      | 4/7/2011 10:01 | 11.18  | 42.49  | 27.23        | 9.36    | 7.88 | 5.6               | 1.44            | 101.2 |
| 174      | 4/7/2011 10:16 | 11.25  | 42.26  | 27.07        | 9.38    | 7.88 | 5.6               | 1.52            | 101.5 |
| 175      | 4/7/2011 10:31 | 11.25  | 41.96  | 26.85        | 9.42    | 7.87 | 5.7               | 1.57            | 101.8 |
| 176      | 4/7/2011 10:46 | 11.17  | 41.81  | 26.75        | 9.42    | 7.87 | 7.2               | 1.65            | 101.5 |
| 177      | 4/7/2011 11:01 | 11.19  | 42.06  | 26.92        | 9.35    | 7.86 | 6.0               | 1.73            | 101.0 |
| 178      | 4/7/2011 11:16 | 11.16  | 42.41  | 27.17        | 9.28    | 7.90 | 5.7               | 1.82            | 100.4 |
| 179      | 4/7/2011 11:31 | 11.12  | 42.54  | 27.27        | 9.32    | 7.85 | 7.0               | 1.89            | 100.7 |
| 180      | 4/7/2011 11:46 | 11.08  | 43.22  | 27.74        | 9.31    | 7.85 | 6.5               | 1.94            | 100.9 |
| 181      | 4/7/2011 12:01 | 11.03  | 43.78  | 28.14        | 9.36    | 7.84 | 6.3               | 2.04            | 101.5 |
| 182      | 4/7/2011 12:16 | 11.05  | 43.80  | 28.16        | 9.36    | 7.84 | 5.9               | 2.14            | 101.5 |
| 183      | 4/7/2011 12:31 | 11.03  | 44.19  | 28.43        | 9.39    | 7.87 | 5.7               | 2.19            | 102.0 |
| 184      | 4/7/2011 12:46 | 10.99  | 44.53  | 28.67        | 9.34    | 7.87 | 5.6               | 2.28            | 101.6 |
| 185      | 4/7/2011 13:01 | 11.03  | 44.42  | 28.60        | 9.37    | 7.83 | 5.9               | 2.35            | 101.9 |
| 186      | 4/7/2011 13:16 | 11.12  | 44.68  | 28.78        | 9.45    | 7.87 | 5.3               | 2.44            | 103.1 |
| 187      | 4/7/2011 13:31 | 10.82  | 45.39  | 29.27        | 9.42    | 7.82 | 6.8               | 2.53            | 102.4 |
| 188      | 4/7/2011 13:46 | 10.79  | 45.40  | 29.28        | 9.46    | 7.82 | 6.9               | 2.58            | 102.8 |
| 189      | 4/7/2011 14:01 | 10.77  | 45.63  | 29.44        | 9.46    | 7.82 | 7.0               | 2.67            | 102.8 |
| 190      | 4/7/2011 14:16 | 10.78  | 45.74  | 29.53        | 9.47    | 7.85 | 7.4               | 2.72            | 103.1 |
| 191      | 4/7/2011 14:31 | 10.76  | 45.92  | 29.65        | 9.51    | 7.81 | 7.3               | 2.79            | 103.5 |
| 192      | 4/7/2011 14:46 | 10.75  | 46.03  | 29.73        | 9.55    | 7.85 | 7.1               | 2.82            | 104.0 |
| 193      | 4/7/2011 15:01 | 10.64  | 46.26  | 29.89        | 9.56    | 7.75 | 7.4               | 2.87            | 104.0 |
| 194      | 4/7/2011 15:16 | 10.54  | 46.45  | 30.02        | 9.56    | 7.80 | 7.6               | 2.93            | 103.8 |
| 195      | 4/7/2011 15:31 | 10.43  | 46.84  | 30.29        | 9.60    | 7.84 | 7.1               | 2.95            | 104.2 |
| 196      | 4/7/2011 15:46 | 10.44  | 46.92  | 30.35        | 9.58    | 7.84 | 5.8               | 2.96            | 104.0 |
| 197      | 4/7/2011 16:01 | 10.50  | 46.83  | 30.29        | 9.48    | 7.83 | 4.9               | 2.99            | 103.0 |
| 198      | 4/7/2011 16:16 | 10.62  | 46.48  | 30.04        | 9.57    | 7.81 | 5.1               | 2.99            | 104.1 |
| 199      | 4/7/2011 16:31 | 10.49  | 46.81  | 30.27        | 9.45    | 7.79 | 5.4               | 2.96            | 102.7 |
| 200      | 4/7/2011 16:46 | 10.95  | 45.94  | 29.67        | 9.57    | 7.82 | 6.8               | 2.92            | 104.7 |
| 201      | 4/7/2011 17:01 | 11.03  | 45.89  | 29.65        | 9.88    | 7.85 | 7.3               | 2.86            | 108.2 |
| 202      | 4/7/2011 17:16 | 11.04  | 45.89  | 29.64        | 9.88    | 7.85 | 7.5               | 2.82            | 108.2 |
| 203      | 4/7/2011 17:31 | 11.00  | 46.02  | 29.74        | 9.91    | 7.85 | 11.0              | 2.73            | 108.5 |
| 204      | 4/7/2011 17:46 | 11.13  | 45.54  | 29.40        | 9.81    | 7.85 | 14.5              | 2.70            | 107.5 |
| 205      | 4/7/2011 18:01 | 11.27  | 45.34  | 29.26        | 9.78    | 7.86 | 16.1              | 2.62            | 107.4 |
| 206      | 4/7/2011 18:16 | 11.40  | 45.09  | 29.09        | 9.92    | 7.88 | 13.1              | 2.56            | 109.2 |
| 207      | 4/7/2011 18:31 | 11.25  | 45.04  | 29.05        | 9.87    | 7.88 | 14.6              | 2.52            | 108.1 |
| 208      | 4/7/2011 18:46 | 11.10  | 45.14  | 29.11        | 9.89    | 7.88 | 15.6              | 2.46            | 108.1 |
| 209      | 4/7/2011 19:01 | 11.17  | 44.70  | 28.80        | 9.91    | 7.88 | 14.5              | 2.42            | 108.2 |
| 210      | 4/7/2011 19:16 | 11.15  | 44.41  | 28.59        | 9.96    | 7.92 | 16.1              | 2.35            | 108.6 |
| 211      | 4/7/2011 19:31 | 11.07  | 44.62  | 28.74        | 10.04   | 7.95 | 13.4              | 2.32            | 109.4 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 212      | 4/7/2011 19:46 | 11.10  | 44.27  | 28.49        | 9.95    | 7.92 | 15.1              | 2.27            | 108.4 |
| 213      | 4/7/2011 20:01 | 11.14  | 44.00  | 28.30        | 9.91    | 7.94 | 15.6              | 2.24            | 107.8 |
| 214      | 4/7/2011 20:16 | 11.12  | 44.02  | 28.31        | 9.87    | 7.90 | 15.3              | 2.24            | 107.4 |
| 215      | 4/7/2011 20:31 | 11.28  | 43.78  | 28.15        | 9.88    | 7.90 | 11.1              | 2.22            | 107.8 |
| 216      | 4/7/2011 20:46 | 11.30  | 43.72  | 28.11        | 9.82    | 7.90 | 10.2              | 2.20            | 107.1 |
| 217      | 4/7/2011 21:01 | 11.30  | 43.58  | 28.01        | 9.83    | 7.94 | 9.3               | 2.20            | 107.1 |
| 218      | 4/7/2011 21:16 | 11.33  | 43.53  | 27.98        | 9.91    | 7.91 | 9.5               | 2.23            | 108.1 |
| 219      | 4/7/2011 21:31 | 11.40  | 43.37  | 27.86        | 9.97    | 7.92 | 8.7               | 2.23            | 108.8 |
| 220      | 4/7/2011 21:46 | 11.41  | 43.36  | 27.86        | 9.98    | 7.92 | 7.6               | 2.25            | 108.9 |
| 221      | 4/7/2011 22:01 | 11.39  | 43.32  | 27.83        | 9.99    | 7.92 | 7.4               | 2.31            | 109.0 |
| 222      | 4/7/2011 22:16 | 11.35  | 43.99  | 28.30        | 9.81    | 7.88 | 7.2               | 2.36            | 107.2 |
| 223      | 4/7/2011 22:31 | 11.34  | 43.96  | 28.28        | 9.80    | 7.88 | 7.3               | 2.40            | 107.1 |
| 224      | 4/7/2011 22:46 | 11.28  | 43.48  | 27.93        | 9.96    | 7.94 | 9.0               | 2.47            | 108.5 |
| 225      | 4/7/2011 23:01 | 11.31  | 43.67  | 28.07        | 9.85    | 7.89 | 8.4               | 2.53            | 107.5 |
| 226      | 4/7/2011 23:16 | 11.31  | 44.27  | 28.50        | 9.78    | 7.87 | 10.2              | 2.60            | 107.0 |
| 227      | 4/7/2011 23:31 | 11.27  | 44.49  | 28.66        | 9.77    | 7.90 | 10.7              | 2.67            | 106.8 |
| 228      | 4/7/2011 23:46 | 10.84  | 45.82  | 29.58        | 9.69    | 7.87 | 8.5               | 2.75            | 105.6 |
| 229      | 4/8/2011 0:01  | 10.53  | 46.75  | 30.23        | 9.66    | 7.86 | 9.0               | 2.82            | 105.1 |
| 230      | 4/8/2011 0:16  | 10.72  | 46.04  | 29.73        | 9.70    | 7.84 | 6.7               | 2.89            | 105.6 |
| 231      | 4/8/2011 0:31  | 10.51  | 46.85  | 30.30        | 9.64    | 7.85 | 6.8               | 2.97            | 104.8 |
| 232      | 4/8/2011 0:46  | 10.55  | 46.33  | 29.93        | 9.70    | 7.77 | 6.6               | 3.03            | 105.3 |
| 233      | 4/8/2011 1:01  | 10.39  | 47.00  | 30.40        | 9.63    | 7.86 | 6.2               | 3.11            | 104.5 |
| 234      | 4/8/2011 1:16  | 10.20  | 47.83  | 30.99        | 9.53    | 7.73 | 6.3               | 3.17            | 103.4 |
| 235      | 4/8/2011 1:31  | 10.10  | 48.08  | 31.16        | 9.48    | 7.83 | 6.7               | 3.25            | 102.7 |
| 236      | 4/8/2011 1:46  | 10.00  | 48.29  | 31.31        | 9.44    | 7.83 | 6.7               | 3.32            | 102.2 |
| 237      | 4/8/2011 2:01  | 9.99   | 48.38  | 31.37        | 9.43    | 7.83 | 6.2               | 3.36            | 102.1 |
| 238      | 4/8/2011 2:16  | 9.96   | 48.47  | 31.43        | 9.45    | 7.83 | 6.3               | 3.39            | 102.2 |
| 239      | 4/8/2011 2:31  | 9.93   | 48.55  | 31.49        | 9.45    | 7.83 | 6.5               | 3.43            | 102.3 |
| 240      | 4/8/2011 2:46  | 9.91   | 48.60  | 31.53        | 9.42    | 7.79 | 5.9               | 3.45            | 101.8 |
| 241      | 4/8/2011 3:01  | 9.99   | 48.25  | 31.28        | 9.34    | 7.83 | 5.4               | 3.44            | 101.0 |
| 242      | 4/8/2011 3:16  | 9.98   | 48.38  | 31.37        | 9.33    | 7.82 | 5.7               | 3.43            | 100.9 |
| 243      | 4/8/2011 3:31  | 10.01  | 48.39  | 31.38        | 9.36    | 7.82 | 7.1               | 3.41            | 101.4 |
| 244      | 4/8/2011 3:46  | 10.22  | 46.74  | 30.21        | 9.51    | 7.85 | 6.4               | 3.35            | 102.7 |
| 245      | 4/8/2011 4:01  | 10.28  | 46.09  | 29.75        | 9.58    | 7.87 | 6.1               | 3.29            | 103.2 |
| 246      | 4/8/2011 4:16  | 10.14  | 46.07  | 29.73        | 9.64    | 7.88 | 5.6               | 3.23            | 103.6 |
| 247      | 4/8/2011 4:31  | 10.11  | 46.24  | 29.84        | 9.62    | 7.88 | 4.6               | 3.14            | 103.4 |
| 248      | 4/8/2011 4:46  | 10.11  | 46.21  | 29.82        | 9.61    | 7.88 | 4.7               | 3.07            | 103.3 |
| 249      | 4/8/2011 5:01  | 10.20  | 45.97  | 29.65        | 9.59    | 7.88 | 4.9               | 2.98            | 103.1 |
| 250      | 4/8/2011 5:16  | 10.25  | 45.79  | 29.53        | 9.58    | 7.88 | 4.9               | 2.88            | 103.1 |
| 251      | 4/8/2011 5:31  | 10.25  | 45.72  | 29.48        | 9.57    | 7.88 | 4.9               | 2.79            | 102.9 |
| 252      | 4/8/2011 5:46  | 10.22  | 45.75  | 29.50        | 9.54    | 7.88 | 4.9               | 2.70            | 102.5 |
| 253      | 4/8/2011 6:01  | 10.20  | 45.73  | 29.49        | 9.53    | 7.88 | 5.2               | 2.61            | 102.4 |
| 254      | 4/8/2011 6:16  | 10.23  | 45.30  | 29.18        | 9.53    | 7.89 | 5.2               | 2.52            | 102.3 |
| 255      | 4/8/2011 6:31  | 10.17  | 45.20  | 29.11        | 9.54    | 7.89 | 5.0               | 2.41            | 102.1 |
| 256      | 4/8/2011 6:46  | 10.41  | 44.55  | 28.66        | 9.54    | 7.91 | 6.8               | 2.30            | 102.4 |
| 257      | 4/8/2011 7:01  | 10.20  | 44.66  | 28.72        | 9.54    | 7.90 | 7.1               | 2.19            | 102.0 |
| 258      | 4/8/2011 7:16  | 10.05  | 44.69  | 28.74        | 9.52    | 7.90 | 7.6               | 2.08            | 101.4 |
| 259      | 4/8/2011 7:31  | 10.28  | 43.87  | 28.16        | 9.53    | 7.93 | 7.3               | 1.98            | 101.8 |
| 260      | 4/8/2011 7:46  | 10.23  | 43.75  | 28.08        | 9.51    | 7.82 | 6.0               | 1.87            | 101.4 |
| 261      | 4/8/2011 8:01  | 10.29  | 43.51  | 27.91        | 9.51    | 7.94 | 6.9               | 1.74            | 101.3 |
| 262      | 4/8/2011 8:16  | 10.33  | 43.57  | 27.96        | 9.48    | 7.83 | 7.4               | 1.65            | 101.2 |
| 263      | 4/8/2011 8:31  | 10.30  | 43.29  | 27.75        | 9.55    | 7.84 | 7.0               | 1.55            | 101.6 |
| 264      | 4/8/2011 8:46  | 10.36  | 43.11  | 27.63        | 9.56    | 7.95 | 7.1               | 1.46            | 101.9 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 265      | 4/8/2011 9:01  | 10.39  | 42.80  | 27.41        | 9.56    | 7.96 | 7.1               | 1.39            | 101.8 |
| 266      | 4/8/2011 9:16  | 10.46  | 42.75  | 27.38        | 9.58    | 7.97 | 6.3               | 1.35            | 102.2 |
| 267      | 4/8/2011 9:31  | 10.48  | 42.62  | 27.29        | 9.51    | 7.96 | 6.2               | 1.32            | 101.4 |
| 268      | 4/8/2011 9:46  | 10.48  | 42.97  | 27.54        | 9.62    | 7.96 | 7.3               | 1.32            | 102.7 |
| 269      | 4/8/2011 10:01 | 10.54  | 43.04  | 27.59        | 9.62    | 7.95 | 6.1               | 1.31            | 102.8 |
| 270      | 4/8/2011 10:16 | 10.51  | 43.14  | 27.66        | 9.56    | 7.95 | 6.1               | 1.35            | 102.2 |
| 271      | 4/8/2011 10:31 | 10.52  | 43.63  | 28.01        | 9.40    | 7.93 | 5.8               | 1.39            | 100.8 |
| 272      | 4/8/2011 10:46 | 10.54  | 43.40  | 27.85        | 9.48    | 7.93 | 5.7               | 1.42            | 101.5 |
| 273      | 4/8/2011 11:01 | 10.61  | 43.38  | 27.83        | 9.46    | 7.89 | 5.5               | 1.49            | 101.5 |
| 274      | 4/8/2011 11:16 | 10.67  | 42.99  | 27.56        | 9.61    | 7.90 | 5.9               | 1.54            | 103.1 |
| 275      | 4/8/2011 11:31 | 10.65  | 43.01  | 27.58        | 9.57    | 7.94 | 6.3               | 1.62            | 102.6 |
| 276      | 4/8/2011 11:46 | 10.61  | 43.16  | 27.68        | 9.51    | 7.94 | 6.3               | 1.68            | 101.9 |
| 277      | 4/8/2011 12:01 | 10.60  | 43.23  | 27.73        | 9.46    | 7.93 | 5.7               | 1.75            | 101.3 |
| 278      | 4/8/2011 12:16 | 10.59  | 43.41  | 27.85        | 9.43    | 7.88 | 5.4               | 1.84            | 101.1 |
| 279      | 4/8/2011 12:31 | 10.53  | 44.21  | 28.42        | 9.38    | 7.90 | 5.6               | 1.90            | 100.8 |
| 280      | 4/8/2011 12:46 | 10.50  | 44.38  | 28.54        | 9.43    | 7.90 | 5.8               | 1.98            | 101.4 |
| 281      | 4/8/2011 13:01 | 10.47  | 44.76  | 28.81        | 9.47    | 7.89 | 5.5               | 2.03            | 101.9 |
| 282      | 4/8/2011 13:16 | 10.47  | 44.75  | 28.80        | 9.53    | 7.90 | 5.8               | 2.12            | 102.6 |
| 283      | 4/8/2011 13:31 | 10.45  | 44.85  | 28.87        | 9.50    | 7.89 | 5.6               | 2.20            | 102.2 |
| 284      | 4/8/2011 13:46 | 10.44  | 45.01  | 28.99        | 9.51    | 7.89 | 5.6               | 2.27            | 102.4 |
| 285      | 4/8/2011 14:01 | 10.40  | 45.21  | 29.13        | 9.51    | 7.88 | 5.5               | 2.35            | 102.4 |
| 286      | 4/8/2011 14:16 | 10.40  | 45.34  | 29.22        | 9.51    | 7.88 | 5.5               | 2.43            | 102.5 |
| 287      | 4/8/2011 14:31 | 10.38  | 45.52  | 29.35        | 9.52    | 7.77 | 5.5               | 2.49            | 102.6 |
| 288      | 4/8/2011 14:46 | 10.44  | 45.39  | 29.26        | 9.55    | 7.88 | 5.2               | 2.54            | 103.0 |
| 290      | 4/8/2011 15:16 | 10.37  | 45.75  | 29.51        | 9.51    | 7.88 | 5.1               | 2.66            | 102.5 |
| 291      | 4/8/2011 15:31 | 10.43  | 45.59  | 29.40        | 9.48    | 7.88 | 5.2               | 2.71            | 102.3 |
| 292      | 4/8/2011 15:46 | 10.54  | 45.56  | 29.38        | 9.51    | 7.88 | 5.4               | 2.75            | 102.9 |
| 293      | 4/8/2011 16:01 | 10.76  | 45.46  | 29.32        | 9.62    | 7.78 | 6.1               | 2.78            | 104.5 |
| 294      | 4/8/2011 16:16 | 10.47  | 45.74  | 29.51        | 9.39    | 7.88 | 4.8               | 2.80            | 101.5 |
| 295      | 4/8/2011 16:31 | 10.41  | 45.66  | 29.44        | 9.40    | 7.87 | 6.0               | 2.82            | 101.4 |
| 296      | 4/8/2011 16:46 | 10.49  | 45.87  | 29.60        | 9.52    | 7.88 | 6.3               | 2.84            | 103.0 |
| 297      | 4/8/2011 17:01 | 10.64  | 45.51  | 29.35        | 9.48    | 7.88 | 7.6               | 2.82            | 102.7 |
| 298      | 4/8/2011 17:16 | 10.67  | 45.77  | 29.54        | 9.58    | 7.88 | 8.6               | 2.81            | 104.0 |
| 299      | 4/8/2011 17:31 | 10.83  | 45.68  | 29.48        | 9.81    | 7.79 | 10.5              | 2.78            | 106.8 |
| 300      | 4/8/2011 17:46 | 10.80  | 45.78  | 29.55        | 9.94    | 7.90 | 11.5              | 2.75            | 108.3 |
| 301      | 4/8/2011 18:01 | 10.75  | 45.90  | 29.64        | 9.93    | 7.80 | 11.7              | 2.72            | 108.1 |
| 302      | 4/8/2011 18:16 | 10.71  | 45.92  | 29.65        | 9.95    | 7.80 | 9.9               | 2.68            | 108.2 |
| 303      | 4/8/2011 18:31 | 10.88  | 45.74  | 29.53        | 9.99    | 7.86 | 12.6              | 2.62            | 108.9 |
| 304      | 4/8/2011 18:46 | 10.89  | 45.70  | 29.50        | 10.02   | 7.81 | 12.8              | 2.58            | 109.2 |
| 305      | 4/8/2011 19:01 | 11.02  | 45.37  | 29.27        | 9.95    | 7.92 | 15.6              | 2.52            | 108.7 |
| 306      | 4/8/2011 19:16 | 11.01  | 45.20  | 29.15        | 9.97    | 7.89 | 15.7              | 2.47            | 108.8 |
| 307      | 4/8/2011 19:31 | 11.01  | 44.69  | 28.79        | 9.98    | 7.83 | 14.5              | 2.43            | 108.6 |
| 308      | 4/8/2011 19:46 | 10.99  | 44.60  | 28.72        | 9.97    | 7.93 | 14.7              | 2.39            | 108.5 |
| 309      | 4/8/2011 20:01 | 10.96  | 44.59  | 28.71        | 9.93    | 7.94 | 16.2              | 2.35            | 108.0 |
| 310      | 4/8/2011 20:16 | 10.91  | 44.54  | 28.67        | 9.93    | 7.91 | 14.6              | 2.33            | 107.8 |
| 311      | 4/8/2011 20:31 | 10.98  | 44.37  | 28.56        | 9.80    | 7.93 | 16.5              | 2.30            | 106.5 |
| 312      | 4/8/2011 20:46 | 10.96  | 44.42  | 28.59        | 9.76    | 7.93 | 15.9              | 2.27            | 106.0 |
| 313      | 4/8/2011 21:01 | 10.96  | 44.37  | 28.55        | 9.76    | 7.90 | 13.9              | 2.26            | 105.9 |
| 314      | 4/8/2011 21:16 | 10.97  | 44.22  | 28.45        | 9.61    | 7.93 | 11.7              | 2.25            | 104.3 |
| 315      | 4/8/2011 21:31 | 11.06  | 44.20  | 28.44        | 9.60    | 7.89 | 9.9               | 2.24            | 104.4 |
| 316      | 4/8/2011 21:46 | 11.10  | 44.03  | 28.32        | 9.72    | 7.92 | 11.2              | 2.27            | 105.6 |
| 317      | 4/8/2011 22:01 | 11.04  | 44.10  | 28.36        | 9.73    | 7.93 | 11.5              | 2.27            | 105.7 |
| 318      | 4/8/2011 22:16 | 11.14  | 43.96  | 28.27        | 9.76    | 7.93 | 10.2              | 2.28            | 106.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 319      | 4/8/2011 22:31 | 11.11  | 43.83  | 28.17        | 9.75    | 7.93 | 9.7        | 2.31   | 105.9 |
| 320      | 4/8/2011 22:46 | 11.07  | 43.92  | 28.24        | 9.74    | 7.89 | 9.8        | 2.35   | 105.8 |
| 321      | 4/8/2011 23:01 | 11.05  | 44.02  | 28.31        | 9.72    | 7.93 | 9.9        | 2.40   | 105.5 |
| 322      | 4/8/2011 23:16 | 11.14  | 43.82  | 28.17        | 9.70    | 7.93 | 11.0       | 2.43   | 105.5 |
| 323      | 4/8/2011 23:31 | 11.04  | 44.37  | 28.56        | 9.66    | 7.91 | 11.4       | 2.48   | 105.1 |
| 324      | 4/8/2011 23:46 | 11.00  | 44.70  | 28.79        | 9.70    | 7.91 | 11.8       | 2.55   | 105.6 |
| 325      | 4/9/2011 0:01  | 10.93  | 45.02  | 29.01        | 9.68    | 7.90 | 10.7       | 2.62   | 105.3 |
| 326      | 4/9/2011 0:16  | 10.84  | 45.30  | 29.21        | 9.68    | 7.89 | 9.7        | 2.68   | 105.3 |
| 327      | 4/9/2011 0:31  | 10.57  | 46.19  | 29.83        | 9.66    | 7.88 | 8.1        | 2.74   | 104.9 |
| 328      | 4/9/2011 0:46  | 10.35  | 46.89  | 30.32        | 9.68    | 7.87 | 8.5        | 2.80   | 104.9 |
| 329      | 4/9/2011 1:01  | 10.42  | 46.67  | 30.17        | 9.71    | 7.87 | 7.8        | 2.87   | 105.3 |
| 330      | 4/9/2011 1:16  | 10.21  | 47.13  | 30.48        | 9.68    | 7.86 | 6.8        | 2.94   | 104.7 |
| 331      | 4/9/2011 1:31  | 10.06  | 47.68  | 30.87        | 9.65    | 7.85 | 6.9        | 3.01   | 104.3 |
| 332      | 4/9/2011 1:46  | 10.10  | 47.44  | 30.70        | 9.67    | 7.74 | 6.9        | 3.07   | 104.4 |
| 333      | 4/9/2011 2:01  | 9.89   | 48.16  | 31.21        | 9.60    | 7.84 | 6.7        | 3.14   | 103.6 |
| 334      | 4/9/2011 2:16  | 9.86   | 48.23  | 31.25        | 9.60    | 7.84 | 7.0        | 3.20   | 103.5 |
| 335      | 4/9/2011 2:31  | 9.75   | 48.57  | 31.49        | 9.58    | 7.83 | 6.2        | 3.25   | 103.2 |
| 336      | 4/9/2011 2:46  | 9.75   | 48.55  | 31.48        | 9.56    | 7.84 | 5.8        | 3.29   | 103.0 |
| 337      | 4/9/2011 3:01  | 9.73   | 48.58  | 31.50        | 9.56    | 7.72 | 5.4        | 3.32   | 103.0 |
| 338      | 4/9/2011 3:16  | 9.72   | 48.68  | 31.57        | 9.52    | 7.83 | 5.6        | 3.35   | 102.6 |
| 339      | 4/9/2011 3:31  | 9.77   | 48.48  | 31.43        | 9.49    | 7.83 | 5.7        | 3.36   | 102.3 |
| 340      | 4/9/2011 3:46  | 9.74   | 48.66  | 31.56        | 9.39    | 7.83 | 6.2        | 3.36   | 101.2 |
| 341      | 4/9/2011 4:01  | 9.76   | 48.38  | 31.35        | 9.42    | 7.83 | 4.9        | 3.34   | 101.4 |
| 342      | 4/9/2011 4:16  | 9.83   | 48.41  | 31.39        | 9.45    | 7.83 | 6.0        | 3.32   | 101.9 |
| 343      | 4/9/2011 4:31  | 10.17  | 45.98  | 29.66        | 9.51    | 7.87 | 7.0        | 3.27   | 102.2 |
| 344      | 4/9/2011 4:46  | 10.10  | 46.21  | 29.82        | 9.48    | 7.77 | 7.0        | 3.20   | 101.8 |
| 345      | 4/9/2011 5:01  | 10.20  | 45.92  | 29.62        | 9.50    | 7.76 | 6.9        | 3.15   | 102.2 |
| 346      | 4/9/2011 5:16  | 10.04  | 47.19  | 30.52        | 9.53    | 7.74 | 8.7        | 3.06   | 102.7 |
| 347      | 4/9/2011 5:31  | 10.13  | 47.21  | 30.54        | 9.53    | 7.74 | 11.7       | 2.99   | 102.9 |
| 348      | 4/9/2011 5:46  | 10.21  | 45.66  | 29.43        | 9.51    | 7.88 | 8.2        | 2.91   | 102.1 |
| 349      | 4/9/2011 6:01  | 10.18  | 46.13  | 29.77        | 9.49    | 7.87 | 7.3        | 2.83   | 102.1 |
| 350      | 4/9/2011 6:16  | 10.19  | 45.89  | 29.60        | 9.50    | 7.77 | 6.7        | 2.74   | 102.2 |
| 351      | 4/9/2011 6:31  | 10.17  | 45.86  | 29.58        | 9.47    | 7.88 | 6.5        | 2.64   | 101.7 |
| 352      | 4/9/2011 6:46  | 10.20  | 45.89  | 29.60        | 9.48    | 7.88 | 7.0        | 2.57   | 102.0 |
| 353      | 4/9/2011 7:01  | 10.17  | 45.67  | 29.44        | 9.46    | 7.88 | 6.0        | 2.49   | 101.5 |
| 354      | 4/9/2011 7:16  | 10.12  | 45.70  | 29.46        | 9.48    | 7.87 | 6.4        | 2.37   | 101.6 |
| 355      | 4/9/2011 7:31  | 10.36  | 44.81  | 28.84        | 9.47    | 7.90 | 8.7        | 2.28   | 101.6 |
| 356      | 4/9/2011 7:46  | 10.39  | 44.64  | 28.72        | 9.40    | 7.80 | 8.0        | 2.18   | 101.0 |
| 357      | 4/9/2011 8:01  | 10.23  | 44.84  | 28.85        | 9.44    | 7.90 | 7.3        | 2.07   | 101.0 |
| 358      | 4/9/2011 8:16  | 10.30  | 44.56  | 28.65        | 9.48    | 7.91 | 7.6        | 1.95   | 101.5 |
| 359      | 4/9/2011 8:31  | 10.42  | 44.21  | 28.42        | 9.49    | 7.92 | 7.4        | 1.86   | 101.8 |
| 360      | 4/9/2011 8:46  | 10.50  | 44.13  | 28.36        | 9.47    | 7.93 | 7.4        | 1.76   | 101.7 |
| 361      | 4/9/2011 9:01  | 10.51  | 43.97  | 28.25        | 9.53    | 7.93 | 7.4        | 1.67   | 102.2 |
| 362      | 4/9/2011 9:16  | 10.63  | 43.82  | 28.15        | 9.54    | 7.94 | 8.4        | 1.57   | 102.6 |
| 363      | 4/9/2011 9:31  | 10.69  | 43.71  | 28.07        | 9.57    | 7.94 | 7.4        | 1.51   | 103.0 |
| 364      | 4/9/2011 9:46  | 10.73  | 43.56  | 27.97        | 9.52    | 7.95 | 6.8        | 1.46   | 102.5 |
| 365      | 4/9/2011 10:01 | 10.82  | 43.43  | 27.88        | 9.57    | 7.85 | 7.5        | 1.42   | 103.2 |
| 366      | 4/9/2011 10:16 | 10.65  | 43.95  | 28.24        | 9.35    | 7.93 | 5.6        | 1.38   | 100.6 |
| 367      | 4/9/2011 10:31 | 10.65  | 44.14  | 28.38        | 9.54    | 7.93 | 6.2        | 1.40   | 102.7 |
| 368      | 4/9/2011 10:46 | 10.60  | 44.26  | 28.46        | 9.51    | 7.92 | 6.0        | 1.40   | 102.4 |
| 369      | 4/9/2011 11:01 | 10.69  | 44.07  | 28.33        | 9.51    | 7.93 | 6.0        | 1.41   | 102.5 |
| 370      | 4/9/2011 11:16 | 10.61  | 44.07  | 28.32        | 9.43    | 7.92 | 6.0        | 1.45   | 101.4 |
| 371      | 4/9/2011 11:31 | 10.68  | 44.03  | 28.30        | 9.51    | 7.93 | 6.1        | 1.50   | 102.4 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 372      | 4/9/2011 11:46 | 10.90  | 43.83  | 28.17        | 9.51    | 7.93 | 6.3               | 1.54            | 102.9 |
| 373      | 4/9/2011 12:01 | 10.71  | 44.07  | 28.33        | 9.40    | 7.81 | 5.9               | 1.61            | 101.3 |
| 374      | 4/9/2011 12:16 | 10.70  | 44.01  | 28.29        | 9.42    | 7.92 | 6.1               | 1.66            | 101.5 |
| 375      | 4/9/2011 12:31 | 10.68  | 44.05  | 28.31        | 9.40    | 7.92 | 6.3               | 1.72            | 101.3 |
| 376      | 4/9/2011 12:46 | 10.69  | 43.93  | 28.23        | 9.42    | 7.81 | 6.2               | 1.78            | 101.4 |
| 377      | 4/9/2011 13:01 | 10.65  | 44.08  | 28.33        | 9.35    | 7.91 | 5.7               | 1.84            | 100.7 |
| 378      | 4/9/2011 13:16 | 10.61  | 44.21  | 28.42        | 9.32    | 7.91 | 5.4               | 1.91            | 100.3 |
| 379      | 4/9/2011 13:31 | 10.55  | 44.53  | 28.65        | 9.31    | 7.90 | 5.7               | 1.98            | 100.3 |
| 380      | 4/9/2011 13:46 | 10.53  | 44.81  | 28.85        | 9.38    | 7.89 | 5.7               | 2.04            | 101.1 |
| 381      | 4/9/2011 14:01 | 10.43  | 45.25  | 29.16        | 9.42    | 7.89 | 5.9               | 2.12            | 101.5 |
| 382      | 4/9/2011 14:16 | 10.45  | 45.20  | 29.12        | 9.50    | 7.89 | 5.9               | 2.19            | 102.3 |
| 383      | 4/9/2011 14:31 | 10.52  | 45.22  | 29.14        | 9.53    | 7.89 | 6.0               | 2.26            | 102.8 |
| 384      | 4/9/2011 14:46 | 10.49  | 45.40  | 29.26        | 9.52    | 7.78 | 5.4               | 2.32            | 102.8 |
| 385      | 4/9/2011 15:01 | 10.39  | 45.80  | 29.55        | 9.49    | 7.88 | 5.4               | 2.40            | 102.4 |
| 386      | 4/9/2011 15:16 | 10.52  | 45.71  | 29.49        | 9.49    | 7.77 | 5.7               | 2.45            | 102.7 |
| 387      | 4/9/2011 15:31 | 10.67  | 45.67  | 29.47        | 9.54    | 7.88 | 5.2               | 2.51            | 103.6 |
| 388      | 4/9/2011 15:46 | 10.77  | 45.78  | 29.55        | 9.54    | 7.88 | 5.2               | 2.57            | 103.8 |
| 389      | 4/9/2011 16:01 | 10.68  | 45.91  | 29.64        | 9.58    | 7.88 | 5.4               | 2.62            | 104.1 |
| 390      | 4/9/2011 16:16 | 10.51  | 46.08  | 29.75        | 9.54    | 7.87 | 5.4               | 2.67            | 103.4 |
| 391      | 4/9/2011 16:31 | 10.45  | 46.22  | 29.85        | 9.52    | 7.76 | 5.1               | 2.70            | 103.1 |
| 392      | 4/9/2011 16:46 | 10.46  | 46.28  | 29.89        | 9.50    | 7.76 | 4.8               | 2.75            | 102.9 |
| 393      | 4/9/2011 17:01 | 10.50  | 46.34  | 29.94        | 9.52    | 7.87 | 4.3               | 2.78            | 103.3 |
| 394      | 4/9/2011 17:16 | 10.32  | 46.44  | 30.00        | 9.41    | 7.86 | 4.5               | 2.80            | 101.7 |
| 395      | 4/9/2011 17:31 | 10.43  | 46.21  | 29.84        | 9.50    | 7.87 | 4.6               | 2.81            | 102.8 |
| 396      | 4/9/2011 17:46 | 10.36  | 46.28  | 29.89        | 9.01    | 7.85 | 4.6               | 2.84            | 97.4  |
| 397      | 4/9/2011 18:01 | 10.33  | 46.45  | 30.00        | 9.29    | 7.86 | 4.0               | 2.83            | 100.5 |
| 398      | 4/9/2011 18:16 | 10.35  | 46.35  | 29.94        | 9.32    | 7.86 | 4.4               | 2.81            | 100.8 |
| 399      | 4/9/2011 18:31 | 10.57  | 46.23  | 29.86        | 9.38    | 7.75 | 4.9               | 2.79            | 101.8 |
| 400      | 4/9/2011 18:46 | 10.74  | 46.08  | 29.76        | 9.53    | 7.77 | 5.3               | 2.76            | 103.8 |
| 401      | 4/9/2011 19:01 | 10.79  | 45.97  | 29.69        | 9.53    | 7.77 | 4.9               | 2.73            | 103.9 |
| 402      | 4/9/2011 19:16 | 11.10  | 45.73  | 29.53        | 9.54    | 7.89 | 5.2               | 2.68            | 104.5 |
| 403      | 4/9/2011 19:31 | 11.17  | 45.58  | 29.42        | 10.01   | 7.93 | 5.7               | 2.64            | 109.7 |
| 404      | 4/9/2011 19:46 | 11.10  | 45.56  | 29.41        | 9.86    | 7.88 | 6.4               | 2.59            | 107.9 |
| 405      | 4/9/2011 20:01 | 11.10  | 45.39  | 29.29        | 10.08   | 7.94 | 5.7               | 2.54            | 110.3 |
| 406      | 4/9/2011 20:16 | 11.05  | 45.42  | 29.31        | 10.13   | 7.94 | 5.7               | 2.49            | 110.7 |
| 407      | 4/9/2011 20:31 | 11.19  | 45.15  | 29.12        | 10.10   | 7.90 | 5.5               | 2.48            | 110.6 |
| 408      | 4/9/2011 20:46 | 11.11  | 45.09  | 29.08        | 10.08   | 7.95 | 5.2               | 2.43            | 110.2 |
| 409      | 4/9/2011 21:01 | 11.03  | 45.10  | 29.08        | 10.05   | 7.90 | 5.3               | 2.39            | 109.6 |
| 410      | 4/9/2011 21:16 | 11.04  | 45.09  | 29.07        | 10.02   | 7.95 | 5.3               | 2.38            | 109.4 |
| 411      | 4/9/2011 21:31 | 11.17  | 44.84  | 28.90        | 9.97    | 7.94 | 5.1               | 2.37            | 109.0 |
| 412      | 4/9/2011 21:46 | 11.09  | 45.02  | 29.03        | 9.82    | 7.94 | 4.9               | 2.36            | 107.2 |
| 413      | 4/9/2011 22:01 | 11.13  | 44.96  | 28.98        | 9.96    | 7.94 | 4.8               | 2.35            | 108.8 |
| 414      | 4/9/2011 22:16 | 11.08  | 44.70  | 28.80        | 9.92    | 7.84 | 4.6               | 2.36            | 108.2 |
| 415      | 4/9/2011 22:31 | 11.09  | 44.59  | 28.72        | 9.94    | 7.94 | 4.5               | 2.38            | 108.3 |
| 416      | 4/9/2011 22:46 | 11.12  | 45.12  | 29.10        | 9.88    | 7.93 | 5.1               | 2.39            | 108.1 |
| 417      | 4/9/2011 23:01 | 11.08  | 44.99  | 29.00        | 9.84    | 7.92 | 5.2               | 2.41            | 107.5 |
| 418      | 4/9/2011 23:16 | 11.08  | 45.11  | 29.09        | 9.83    | 7.92 | 5.2               | 2.44            | 107.4 |
| 419      | 4/9/2011 23:31 | 11.12  | 44.95  | 28.98        | 9.89    | 7.92 | 6.0               | 2.48            | 108.0 |
| 420      | 4/9/2011 23:46 | 11.04  | 45.07  | 29.06        | 9.79    | 7.91 | 5.6               | 2.51            | 106.8 |
| 421      | 4/10/2011 0:01 | 10.99  | 45.21  | 29.16        | 9.71    | 7.91 | 4.6               | 2.54            | 105.9 |
| 422      | 4/10/2011 0:16 | 10.74  | 45.91  | 29.64        | 9.58    | 7.88 | 16.1              | 2.60            | 104.2 |
| 423      | 4/10/2011 0:31 | 10.70  | 46.05  | 29.74        | 9.55    | 7.88 | 5.8               | 2.65            | 103.9 |
| 424      | 4/10/2011 0:46 | 10.68  | 46.07  | 29.76        | 9.56    | 7.88 | 5.2               | 2.69            | 104.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 425      | 4/10/2011 1:01  | 10.69  | 46.13  | 29.80        | 9.55    | 7.88 | 15.7              | 2.75            | 103.9 |
| 426      | 4/10/2011 1:16  | 10.50  | 46.61  | 30.13        | 9.47    | 7.86 | 4.9               | 2.81            | 102.8 |
| 427      | 4/10/2011 1:31  | 10.21  | 47.46  | 30.72        | 9.43    | 7.84 | 5.2               | 2.86            | 102.2 |
| 428      | 4/10/2011 1:46  | 10.17  | 47.67  | 30.87        | 9.36    | 7.84 | 5.1               | 2.91            | 101.4 |
| 429      | 4/10/2011 2:01  | 10.07  | 47.77  | 30.94        | 9.34    | 7.84 | 4.8               | 2.97            | 100.9 |
| 430      | 4/10/2011 2:16  | 10.05  | 48.06  | 31.15        | 9.35    | 7.83 | 4.9               | 3.03            | 101.2 |
| 431      | 4/10/2011 2:31  | 9.89   | 48.48  | 31.44        | 9.31    | 7.70 | 5.1               | 3.09            | 100.6 |
| 432      | 4/10/2011 2:46  | 9.80   | 48.67  | 31.57        | 9.28    | 7.70 | 5.2               | 3.13            | 100.2 |
| 433      | 4/10/2011 3:01  | 9.92   | 48.33  | 31.33        | 9.31    | 7.71 | 5.2               | 3.19            | 100.6 |
| 434      | 4/10/2011 3:16  | 9.80   | 48.54  | 31.47        | 9.29    | 7.82 | 5.1               | 3.23            | 100.2 |
| 435      | 4/10/2011 3:31  | 9.76   | 48.72  | 31.60        | 9.26    | 7.81 | 5.1               | 3.26            | 99.9  |
| 436      | 4/10/2011 3:46  | 9.68   | 48.99  | 31.79        | 9.21    | 7.81 | 4.9               | 3.30            | 99.2  |
| 437      | 4/10/2011 4:01  | 9.71   | 48.83  | 31.68        | 9.19    | 7.81 | 5.0               | 3.33            | 99.0  |
| 438      | 4/10/2011 4:16  | 9.61   | 49.26  | 31.98        | 9.08    | 7.68 | 5.4               | 3.34            | 97.8  |
| 439      | 4/10/2011 4:31  | 9.96   | 48.09  | 31.16        | 9.16    | 7.71 | 4.5               | 3.35            | 99.0  |
| 440      | 4/10/2011 4:46  | 9.67   | 49.10  | 31.87        | 9.08    | 7.68 | 5.3               | 3.34            | 97.9  |
| 441      | 4/10/2011 5:01  | 9.92   | 48.15  | 31.20        | 9.17    | 7.82 | 4.3               | 3.32            | 99.0  |
| 442      | 4/10/2011 5:16  | 10.20  | 46.68  | 30.17        | 9.36    | 7.86 | 6.0               | 3.27            | 101.0 |
| 443      | 4/10/2011 5:31  | 10.08  | 47.20  | 30.53        | 9.19    | 7.83 | 6.0               | 3.22            | 99.1  |
| 444      | 4/10/2011 5:46  | 10.14  | 46.73  | 30.20        | 9.33    | 7.85 | 5.0               | 3.17            | 100.5 |
| 445      | 4/10/2011 6:01  | 10.13  | 47.06  | 30.43        | 9.33    | 7.84 | 5.4               | 3.09            | 100.7 |
| 446      | 4/10/2011 6:16  | 10.16  | 47.15  | 30.50        | 9.35    | 7.73 | 6.7               | 3.02            | 101.0 |
| 447      | 4/10/2011 6:31  | 10.18  | 46.73  | 30.20        | 9.35    | 7.85 | 5.8               | 2.95            | 100.9 |
| 448      | 4/10/2011 6:46  | 10.21  | 46.14  | 29.78        | 9.45    | 7.87 | 5.1               | 2.88            | 101.7 |
| 449      | 4/10/2011 7:01  | 10.23  | 46.13  | 29.77        | 9.49    | 7.88 | 4.8               | 2.79            | 102.2 |
| 450      | 4/10/2011 7:16  | 10.24  | 46.10  | 29.75        | 9.47    | 7.77 | 4.3               | 2.71            | 102.0 |
| 451      | 4/10/2011 7:31  | 10.19  | 46.05  | 29.72        | 9.46    | 7.88 | 4.3               | 2.63            | 101.8 |
| 452      | 4/10/2011 7:46  | 10.46  | 45.62  | 29.42        | 9.49    | 7.90 | 4.8               | 2.54            | 102.5 |
| 453      | 4/10/2011 8:01  | 10.55  | 45.09  | 29.04        | 9.53    | 7.91 | 5.2               | 2.45            | 102.9 |
| 454      | 4/10/2011 8:16  | 10.28  | 45.71  | 29.47        | 9.63    | 7.90 | 4.8               | 2.35            | 103.7 |
| 455      | 4/10/2011 8:31  | 10.61  | 45.05  | 29.02        | 9.70    | 7.93 | 4.9               | 2.26            | 104.9 |
| 456      | 4/10/2011 8:46  | 10.53  | 45.05  | 29.02        | 9.89    | 7.94 | 5.4               | 2.16            | 106.7 |
| 457      | 4/10/2011 9:01  | 10.75  | 44.73  | 28.80        | 9.92    | 7.85 | 5.2               | 2.06            | 107.4 |
| 458      | 4/10/2011 9:16  | 10.89  | 44.48  | 28.63        | 10.00   | 7.98 | 4.9               | 1.96            | 108.5 |
| 459      | 4/10/2011 9:31  | 10.95  | 44.39  | 28.57        | 10.11   | 7.99 | 5.0               | 1.87            | 109.8 |
| 460      | 4/10/2011 9:46  | 11.09  | 44.33  | 28.53        | 10.09   | 7.99 | 5.1               | 1.78            | 109.9 |
| 461      | 4/10/2011 10:01 | 11.22  | 44.12  | 28.39        | 10.11   | 8.00 | 5.2               | 1.70            | 110.3 |
| 462      | 4/10/2011 10:16 | 11.36  | 43.88  | 28.22        | 10.06   | 7.97 | 5.4               | 1.64            | 110.0 |
| 463      | 4/10/2011 10:31 | 11.45  | 43.85  | 28.21        | 10.07   | 8.02 | 5.5               | 1.57            | 110.3 |
| 464      | 4/10/2011 10:46 | 11.51  | 43.86  | 28.22        | 10.05   | 8.02 | 4.6               | 1.53            | 110.2 |
| 465      | 4/10/2011 11:01 | 11.57  | 43.82  | 28.19        | 10.05   | 8.02 | 4.6               | 1.50            | 110.3 |
| 466      | 4/10/2011 11:16 | 11.43  | 44.07  | 28.36        | 9.84    | 8.00 | 4.6               | 1.48            | 107.8 |
| 467      | 4/10/2011 11:31 | 11.73  | 39.41  | 25.08        | 10.29   | 7.98 | 4.9               | 1.49            | 111.1 |
| 468      | 4/10/2011 11:46 | 11.72  | 39.10  | 24.86        | 10.28   | 7.97 | 4.3               | 1.51            | 110.9 |
| 469      | 4/10/2011 12:01 | 11.06  | 40.22  | 25.62        | 10.05   | 7.97 | 4.0               | 1.53            | 107.3 |
| 470      | 4/10/2011 12:16 | 11.37  | 39.53  | 25.15        | 10.09   | 7.98 | 4.0               | 1.57            | 108.2 |
| 471      | 4/10/2011 12:31 | 11.56  | 38.76  | 24.62        | 10.12   | 7.93 | 7.7               | 1.61            | 108.6 |
| 472      | 4/10/2011 12:46 | 11.16  | 39.39  | 25.04        | 9.98    | 7.96 | 4.0               | 1.66            | 106.5 |
| 473      | 4/10/2011 13:01 | 11.10  | 39.44  | 25.08        | 9.98    | 7.96 | 4.2               | 1.70            | 106.3 |
| 474      | 4/10/2011 13:16 | 11.01  | 39.37  | 25.02        | 9.89    | 7.95 | 4.2               | 1.75            | 105.2 |
| 475      | 4/10/2011 13:31 | 11.01  | 39.48  | 25.10        | 9.91    | 7.95 | 4.2               | 1.80            | 105.4 |
| 476      | 4/10/2011 13:46 | 11.00  | 39.59  | 25.18        | 9.92    | 7.95 | 4.0               | 1.86            | 105.5 |
| 477      | 4/10/2011 14:01 | 10.93  | 40.20  | 25.61        | 9.80    | 7.94 | 3.8               | 1.93            | 104.4 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 478      | 4/10/2011 14:16 | 10.91  | 40.15  | 25.57        | 9.75    | 7.93 | 3.8               | 1.99            | 103.8 |
| 479      | 4/10/2011 14:31 | 10.81  | 39.95  | 25.43        | 9.81    | 7.81 | 4.2               | 2.06            | 104.1 |
| 480      | 4/10/2011 14:46 | 11.11  | 39.58  | 25.17        | 9.88    | 7.82 | 5.6               | 2.14            | 105.4 |
| 481      | 4/10/2011 15:01 | 11.15  | 40.60  | 25.90        | 9.94    | 7.92 | 5.5               | 2.20            | 106.5 |
| 482      | 4/10/2011 15:16 | 10.93  | 40.33  | 25.69        | 9.89    | 7.90 | 5.2               | 2.27            | 105.3 |
| 483      | 4/10/2011 15:31 | 10.81  | 41.34  | 26.40        | 9.83    | 7.89 | 4.8               | 2.35            | 104.9 |
| 484      | 4/10/2011 15:46 | 10.82  | 40.52  | 25.82        | 9.84    | 7.89 | 4.7               | 2.41            | 104.7 |
| 485      | 4/10/2011 16:01 | 10.70  | 40.20  | 25.59        | 9.80    | 7.88 | 4.3               | 2.48            | 103.9 |
| 486      | 4/10/2011 16:16 | 10.73  | 40.83  | 26.04        | 9.84    | 7.76 | 4.7               | 2.53            | 104.7 |
| 487      | 4/10/2011 16:31 | 10.63  | 40.45  | 25.77        | 9.83    | 7.75 | 4.9               | 2.59            | 104.1 |
| 488      | 4/10/2011 16:46 | 10.57  | 41.30  | 26.36        | 9.75    | 7.87 | 4.5               | 2.65            | 103.5 |
| 489      | 4/10/2011 17:01 | 10.47  | 40.64  | 25.89        | 9.75    | 7.86 | 4.3               | 2.71            | 103.0 |
| 490      | 4/10/2011 17:16 | 10.35  | 40.53  | 25.81        | 9.73    | 7.86 | 3.9               | 2.76            | 102.5 |
| 491      | 4/10/2011 17:31 | 10.34  | 43.02  | 27.56        | 9.61    | 7.86 | 4.0               | 2.80            | 102.3 |
| 492      | 4/10/2011 17:46 | 10.33  | 44.51  | 28.62        | 9.52    | 7.74 | 4.0               | 2.84            | 102.0 |
| 493      | 4/10/2011 18:01 | 10.35  | 45.04  | 29.00        | 9.49    | 7.85 | 4.2               | 2.88            | 102.0 |
| 494      | 4/10/2011 18:16 | 10.37  | 42.63  | 27.29        | 9.61    | 7.85 | 4.3               | 2.91            | 102.2 |
| 495      | 4/10/2011 18:31 | 10.39  | 41.95  | 26.81        | 9.64    | 7.73 | 4.3               | 2.95            | 102.3 |
| 496      | 4/10/2011 18:46 | 10.39  | 41.17  | 26.26        | 9.55    | 7.84 | 3.6               | 2.96            | 101.0 |
| 497      | 4/10/2011 19:01 | 10.39  | 45.11  | 29.06        | 9.44    | 7.73 | 4.2               | 2.98            | 101.5 |
| 498      | 4/10/2011 19:16 | 10.40  | 47.34  | 30.65        | 9.29    | 7.84 | 3.8               | 2.93            | 101.0 |
| 499      | 4/10/2011 19:31 | 10.37  | 47.24  | 30.58        | 9.40    | 7.85 | 4.2               | 2.91            | 102.0 |
| 500      | 4/10/2011 19:46 | 10.36  | 47.09  | 30.47        | 9.37    | 7.73 | 3.5               | 2.89            | 101.7 |
| 501      | 4/10/2011 20:01 | 10.38  | 46.81  | 30.27        | 9.45    | 7.85 | 3.9               | 2.86            | 102.4 |
| 502      | 4/10/2011 20:16 | 10.44  | 46.88  | 30.32        | 9.52    | 7.86 | 4.7               | 2.81            | 103.4 |
| 503      | 4/10/2011 20:31 | 10.54  | 46.72  | 30.21        | 9.56    | 7.76 | 3.8               | 2.76            | 103.9 |
| 504      | 4/10/2011 20:46 | 10.66  | 46.37  | 29.97        | 9.61    | 7.88 | 4.2               | 2.71            | 104.7 |
| 505      | 4/10/2011 21:01 | 10.82  | 46.46  | 30.04        | 9.64    | 7.89 | 4.1               | 2.67            | 105.3 |
| 506      | 4/10/2011 21:16 | 10.92  | 46.41  | 30.01        | 9.68    | 7.79 | 4.4               | 2.63            | 106.0 |
| 507      | 4/10/2011 21:31 | 10.92  | 46.36  | 29.98        | 9.57    | 7.78 | 4.3               | 2.59            | 104.7 |
| 508      | 4/10/2011 21:46 | 11.03  | 46.09  | 29.79        | 9.65    | 7.90 | 4.3               | 2.55            | 105.8 |
| 509      | 4/10/2011 22:01 | 10.99  | 46.11  | 29.80        | 9.62    | 7.79 | 4.3               | 2.52            | 105.3 |
| 510      | 4/10/2011 22:16 | 11.03  | 45.97  | 29.70        | 9.64    | 7.91 | 4.4               | 2.49            | 105.6 |
| 511      | 4/10/2011 22:31 | 10.95  | 46.05  | 29.75        | 9.63    | 7.91 | 4.2               | 2.47            | 105.4 |
| 512      | 4/10/2011 22:46 | 10.89  | 46.02  | 29.73        | 9.63    | 7.79 | 4.1               | 2.46            | 105.2 |
| 513      | 4/10/2011 23:01 | 10.88  | 45.98  | 29.70        | 9.62    | 7.79 | 3.9               | 2.45            | 105.1 |
| 514      | 4/10/2011 23:16 | 10.95  | 45.89  | 29.64        | 9.56    | 7.90 | 4.2               | 2.44            | 104.5 |
| 515      | 4/10/2011 23:31 | 10.94  | 45.99  | 29.71        | 9.62    | 7.90 | 4.0               | 2.45            | 105.1 |
| 516      | 4/10/2011 23:46 | 10.94  | 45.89  | 29.64        | 9.61    | 7.90 | 4.1               | 2.47            | 105.1 |
| 517      | 4/11/2011 0:01  | 10.96  | 46.02  | 29.74        | 9.61    | 7.90 | 4.5               | 2.49            | 105.1 |
| 518      | 4/11/2011 0:16  | 10.94  | 46.11  | 29.80        | 9.55    | 7.79 | 4.4               | 2.50            | 104.5 |
| 519      | 4/11/2011 0:31  | 10.92  | 46.09  | 29.78        | 9.56    | 7.89 | 4.6               | 2.53            | 104.5 |
| 520      | 4/11/2011 0:46  | 10.90  | 46.10  | 29.79        | 9.57    | 7.89 | 4.4               | 2.57            | 104.5 |
| 521      | 4/11/2011 1:01  | 10.90  | 46.08  | 29.77        | 9.61    | 7.90 | 4.2               | 2.59            | 105.0 |
| 522      | 4/11/2011 1:16  | 10.86  | 46.04  | 29.74        | 9.67    | 7.90 | 3.9               | 2.62            | 105.6 |
| 523      | 4/11/2011 1:31  | 10.65  | 46.48  | 30.04        | 9.49    | 7.87 | 4.0               | 2.66            | 103.3 |
| 524      | 4/11/2011 1:46  | 10.51  | 46.82  | 30.28        | 9.37    | 7.74 | 4.1               | 2.71            | 101.9 |
| 525      | 4/11/2011 2:01  | 10.46  | 46.90  | 30.34        | 9.42    | 7.74 | 3.9               | 2.76            | 102.4 |
| 526      | 4/11/2011 2:16  | 10.38  | 47.16  | 30.52        | 9.36    | 7.85 | 4.2               | 2.80            | 101.6 |
| 527      | 4/11/2011 2:31  | 10.41  | 47.01  | 30.41        | 9.41    | 7.73 | 4.1               | 2.85            | 102.2 |
| 528      | 4/11/2011 2:46  | 10.42  | 46.98  | 30.39        | 9.45    | 7.86 | 4.1               | 2.90            | 102.6 |
| 529      | 4/11/2011 3:01  | 10.32  | 47.23  | 30.57        | 9.42    | 7.85 | 4.0               | 2.95            | 102.2 |
| 530      | 4/11/2011 3:16  | 10.28  | 47.18  | 30.53        | 9.46    | 7.85 | 4.2               | 3.00            | 102.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 531      | 4/11/2011 3:31  | 10.25  | 47.31  | 30.62        | 9.46    | 7.85 | 3.8        | 3.06   | 102.5 |
| 532      | 4/11/2011 3:46  | 10.22  | 47.52  | 30.77        | 9.42    | 7.73 | 3.6        | 3.11   | 102.1 |
| 533      | 4/11/2011 4:01  | 10.16  | 47.70  | 30.89        | 9.39    | 7.84 | 3.8        | 3.16   | 101.7 |
| 534      | 4/11/2011 4:16  | 10.14  | 47.74  | 30.92        | 9.36    | 7.84 | 3.6        | 3.22   | 101.3 |
| 535      | 4/11/2011 4:31  | 10.04  | 48.35  | 31.35        | 9.20    | 7.82 | 4.2        | 3.25   | 99.6  |
| 536      | 4/11/2011 4:46  | 9.98   | 48.71  | 31.61        | 9.09    | 7.70 | 4.2        | 3.29   | 98.5  |
| 537      | 4/11/2011 5:01  | 10.02  | 48.46  | 31.43        | 9.09    | 7.82 | 4.0        | 3.29   | 98.5  |
| 538      | 4/11/2011 5:16  | 10.16  | 48.07  | 31.16        | 9.05    | 7.70 | 3.7        | 3.30   | 98.2  |
| 539      | 4/11/2011 5:31  | 10.15  | 47.94  | 31.06        | 9.15    | 7.71 | 4.0        | 3.29   | 99.1  |
| 540      | 4/11/2011 5:46  | 10.13  | 47.78  | 30.95        | 9.29    | 7.71 | 3.7        | 3.27   | 100.5 |
| 541      | 4/11/2011 6:01  | 10.10  | 48.24  | 31.28        | 9.13    | 7.70 | 5.2        | 3.26   | 99.0  |
| 542      | 4/11/2011 6:16  | 10.15  | 47.95  | 31.08        | 9.15    | 7.71 | 4.2        | 3.23   | 99.2  |
| 543      | 4/11/2011 6:31  | 10.26  | 47.27  | 30.59        | 9.33    | 7.72 | 4.5        | 3.17   | 101.0 |
| 544      | 4/11/2011 6:46  | 10.20  | 47.22  | 30.55        | 9.28    | 7.72 | 5.9        | 3.12   | 100.4 |
| 545      | 4/11/2011 7:01  | 10.20  | 46.93  | 30.34        | 9.39    | 7.85 | 4.5        | 3.07   | 101.5 |
| 546      | 4/11/2011 7:16  | 10.30  | 47.27  | 30.59        | 9.24    | 7.84 | 4.6        | 3.01   | 100.2 |
| 547      | 4/11/2011 7:31  | 10.34  | 46.97  | 30.38        | 9.28    | 7.85 | 4.5        | 2.94   | 100.6 |
| 548      | 4/11/2011 7:46  | 10.36  | 46.68  | 30.17        | 9.30    | 7.85 | 4.1        | 2.88   | 100.7 |
| 549      | 4/11/2011 8:01  | 10.33  | 46.64  | 30.15        | 9.35    | 7.74 | 3.7        | 2.80   | 101.2 |
| 550      | 4/11/2011 8:16  | 10.47  | 46.36  | 29.95        | 9.45    | 7.87 | 3.8        | 2.73   | 102.4 |
| 551      | 4/11/2011 8:31  | 10.50  | 46.10  | 29.77        | 9.53    | 7.88 | 3.8        | 2.66   | 103.3 |
| 552      | 4/11/2011 8:46  | 10.69  | 45.80  | 29.56        | 9.51    | 7.89 | 4.5        | 2.55   | 103.4 |
| 553      | 4/11/2011 9:01  | 10.77  | 45.51  | 29.36        | 9.58    | 7.91 | 5.1        | 2.46   | 104.2 |
| 554      | 4/11/2011 9:16  | 10.78  | 45.57  | 29.40        | 9.90    | 7.93 | 4.0        | 2.39   | 107.6 |
| 555      | 4/11/2011 9:31  | 10.95  | 45.08  | 29.06        | 9.77    | 7.93 | 3.8        | 2.30   | 106.4 |
| 556      | 4/11/2011 9:46  | 10.97  | 45.07  | 29.05        | 10.11   | 7.96 | 4.3        | 2.19   | 110.2 |
| 557      | 4/11/2011 10:01 | 11.10  | 44.92  | 28.95        | 10.06   | 7.96 | 3.7        | 2.09   | 109.8 |
| 558      | 4/11/2011 10:16 | 11.20  | 44.79  | 28.87        | 10.19   | 7.86 | 3.7        | 2.01   | 111.5 |
| 559      | 4/11/2011 10:31 | 11.30  | 44.52  | 28.68        | 10.05   | 7.98 | 4.0        | 1.92   | 110.0 |
| 560      | 4/11/2011 10:46 | 11.39  | 44.64  | 28.77        | 10.29   | 8.00 | 3.9        | 1.81   | 113.0 |
| 561      | 4/11/2011 11:01 | 11.46  | 44.48  | 28.65        | 10.27   | 8.00 | 3.9        | 1.75   | 112.8 |
| 562      | 4/11/2011 11:16 | 11.55  | 44.50  | 28.68        | 10.33   | 8.01 | 3.9        | 1.68   | 113.6 |
| 563      | 4/11/2011 11:31 | 11.64  | 44.43  | 28.63        | 10.30   | 8.01 | 3.8        | 1.63   | 113.5 |
| 564      | 4/11/2011 11:46 | 11.62  | 44.46  | 28.65        | 10.20   | 8.01 | 3.6        | 1.58   | 112.3 |
| 565      | 4/11/2011 12:01 | 11.60  | 44.35  | 28.57        | 10.17   | 8.01 | 3.5        | 1.56   | 112.0 |
| 566      | 4/11/2011 12:16 | 11.48  | 44.44  | 28.63        | 9.84    | 7.87 | 2.9        | 1.51   | 108.1 |
| 567      | 4/11/2011 12:31 | 11.46  | 44.49  | 28.67        | 9.99    | 7.88 | 3.3        | 1.51   | 109.7 |
| 568      | 4/11/2011 12:46 | 11.69  | 42.46  | 27.23        | 10.25   | 7.99 | 3.7        | 1.54   | 112.2 |
| 569      | 4/11/2011 13:01 | 11.77  | 41.85  | 26.80        | 10.31   | 8.01 | 3.1        | 1.51   | 112.6 |
| 570      | 4/11/2011 13:16 | 11.84  | 41.76  | 26.74        | 10.38   | 8.01 | 3.2        | 1.57   | 113.6 |
| 571      | 4/11/2011 13:31 | 11.52  | 42.32  | 27.12        | 10.20   | 7.99 | 3.2        | 1.61   | 111.0 |
| 572      | 4/11/2011 13:46 | 11.37  | 42.20  | 27.03        | 10.04   | 7.96 | 3.2        | 1.64   | 108.9 |
| 573      | 4/11/2011 14:01 | 11.62  | 43.19  | 27.75        | 10.19   | 7.98 | 3.4        | 1.70   | 111.6 |
| 574      | 4/11/2011 14:16 | 11.62  | 42.87  | 27.51        | 10.14   | 7.98 | 3.2        | 1.74   | 110.9 |
| 575      | 4/11/2011 14:31 | 11.86  | 42.54  | 27.29        | 10.18   | 7.88 | 3.2        | 1.79   | 111.8 |
| 576      | 4/11/2011 14:46 | 11.56  | 42.86  | 27.51        | 10.05   | 7.97 | 3.2        | 1.84   | 109.8 |
| 577      | 4/11/2011 15:01 | 11.46  | 42.76  | 27.43        | 9.96    | 7.97 | 3.3        | 1.92   | 108.6 |
| 578      | 4/11/2011 15:16 | 11.45  | 42.76  | 27.43        | 9.97    | 7.96 | 3.2        | 1.97   | 108.6 |
| 579      | 4/11/2011 15:31 | 11.24  | 43.63  | 28.04        | 9.79    | 7.83 | 3.0        | 2.03   | 106.7 |
| 580      | 4/11/2011 15:46 | 11.07  | 43.72  | 28.10        | 9.63    | 7.92 | 3.2        | 2.11   | 104.5 |
| 581      | 4/11/2011 16:01 | 11.01  | 43.95  | 28.26        | 9.57    | 7.91 | 3.4        | 2.17   | 103.8 |
| 582      | 4/11/2011 16:16 | 11.02  | 44.05  | 28.33        | 9.67    | 7.91 | 3.5        | 2.23   | 105.0 |
| 583      | 4/11/2011 16:31 | 10.91  | 44.48  | 28.63        | 9.68    | 7.90 | 3.5        | 2.31   | 105.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 584      | 4/11/2011 16:46 | 10.97  | 44.41  | 28.59        | 9.70    | 7.91 | 3.9        | 2.39   | 105.4 |
| 585      | 4/11/2011 17:01 | 10.92  | 43.99  | 28.28        | 9.71    | 7.90 | 4.1        | 2.44   | 105.2 |
| 586      | 4/11/2011 17:16 | 11.04  | 45.19  | 29.14        | 9.62    | 7.90 | 3.6        | 2.51   | 105.0 |
| 587      | 4/11/2011 17:31 | 11.02  | 45.17  | 29.13        | 9.64    | 7.89 | 3.7        | 2.57   | 105.2 |
| 588      | 4/11/2011 17:46 | 10.83  | 46.00  | 29.71        | 9.51    | 7.88 | 3.8        | 2.64   | 103.8 |
| 589      | 4/11/2011 18:01 | 10.92  | 46.21  | 29.86        | 9.54    | 7.88 | 3.8        | 2.69   | 104.3 |
| 590      | 4/11/2011 18:16 | 10.77  | 46.61  | 30.15        | 9.48    | 7.87 | 3.5        | 2.73   | 103.6 |
| 591      | 4/11/2011 18:31 | 10.72  | 46.77  | 30.26        | 9.46    | 7.86 | 3.7        | 2.80   | 103.3 |
| 592      | 4/11/2011 18:46 | 10.69  | 46.87  | 30.32        | 9.42    | 7.74 | 3.5        | 2.83   | 102.9 |
| 593      | 4/11/2011 19:01 | 10.63  | 46.98  | 30.40        | 9.44    | 7.74 | 3.5        | 2.87   | 102.9 |
| 594      | 4/11/2011 19:16 | 10.64  | 46.95  | 30.38        | 9.39    | 7.74 | 3.5        | 2.91   | 102.4 |
| 595      | 4/11/2011 19:31 | 10.62  | 46.86  | 30.32        | 9.39    | 7.86 | 3.3        | 2.93   | 102.3 |
| 596      | 4/11/2011 19:46 | 10.57  | 47.01  | 30.42        | 9.26    | 7.86 | 3.2        | 2.95   | 100.9 |
| 597      | 4/11/2011 20:01 | 10.66  | 46.84  | 30.30        | 9.19    | 7.85 | 3.7        | 2.96   | 100.2 |
| 598      | 4/11/2011 20:16 | 10.65  | 46.65  | 30.17        | 9.29    | 7.87 | 7.8        | 2.96   | 101.2 |
| 599      | 4/11/2011 20:31 | 10.66  | 46.64  | 30.16        | 9.61    | 7.90 | 6.6        | 2.94   | 104.7 |
| 600      | 4/11/2011 20:46 | 10.60  | 46.70  | 30.20        | 9.62    | 7.77 | 7.2        | 2.91   | 104.7 |
| 601      | 4/11/2011 21:01 | 10.53  | 46.71  | 30.20        | 9.60    | 7.88 | 6.8        | 2.89   | 104.3 |
| 602      | 4/11/2011 21:16 | 10.56  | 46.73  | 30.22        | 9.60    | 7.88 | 6.7        | 2.84   | 104.4 |
| 603      | 4/11/2011 21:31 | 10.57  | 46.59  | 30.12        | 9.65    | 7.89 | 6.8        | 2.81   | 104.9 |
| 604      | 4/11/2011 21:46 | 10.68  | 46.45  | 30.03        | 9.66    | 7.89 | 7.4        | 2.76   | 105.2 |
| 605      | 4/11/2011 22:01 | 10.75  | 46.39  | 29.99        | 9.64    | 7.90 | 7.9        | 2.71   | 105.2 |
| 606      | 4/11/2011 22:16 | 10.66  | 46.43  | 30.01        | 9.63    | 7.89 | 8.0        | 2.66   | 104.9 |
| 607      | 4/11/2011 22:31 | 10.94  | 45.80  | 29.57        | 9.66    | 7.92 | 10.1       | 2.62   | 105.6 |
| 608      | 4/11/2011 22:46 | 10.83  | 45.94  | 29.67        | 9.64    | 7.91 | 8.9        | 2.58   | 105.1 |
| 609      | 4/11/2011 23:01 | 10.86  | 45.49  | 29.35        | 9.67    | 7.92 | 7.8        | 2.53   | 105.3 |
| 610      | 4/11/2011 23:16 | 10.73  | 45.59  | 29.41        | 9.60    | 7.91 | 6.8        | 2.49   | 104.3 |
| 611      | 4/11/2011 23:31 | 10.86  | 45.34  | 29.24        | 9.58    | 7.92 | 7.0        | 2.45   | 104.2 |
| 612      | 4/11/2011 23:46 | 10.86  | 45.23  | 29.16        | 9.60    | 7.81 | 6.3        | 2.41   | 104.4 |
| 613      | 4/12/2011 0:01  | 10.89  | 45.08  | 29.06        | 9.60    | 7.93 | 6.2        | 2.37   | 104.4 |
| 614      | 4/12/2011 0:16  | 10.90  | 45.17  | 29.12        | 9.56    | 7.93 | 6.7        | 2.39   | 104.0 |
| 615      | 4/12/2011 0:31  | 10.89  | 45.29  | 29.21        | 9.54    | 7.93 | 6.0        | 2.36   | 103.8 |
| 616      | 4/12/2011 0:46  | 11.07  | 44.80  | 28.86        | 9.65    | 7.96 | 6.3        | 2.33   | 105.2 |
| 617      | 4/12/2011 1:01  | 10.88  | 45.10  | 29.07        | 9.61    | 7.93 | 6.6        | 2.37   | 104.5 |
| 618      | 4/12/2011 1:16  | 11.07  | 44.65  | 28.76        | 9.66    | 7.84 | 5.7        | 2.35   | 105.3 |
| 619      | 4/12/2011 1:31  | 10.87  | 45.37  | 29.26        | 9.50    | 7.91 | 5.9        | 2.38   | 103.4 |
| 620      | 4/12/2011 1:46  | 10.87  | 45.58  | 29.42        | 9.49    | 7.90 | 6.2        | 2.42   | 103.4 |
| 621      | 4/12/2011 2:01  | 10.89  | 45.42  | 29.30        | 9.54    | 7.91 | 6.1        | 2.43   | 104.0 |
| 622      | 4/12/2011 2:16  | 10.86  | 45.19  | 29.14        | 9.56    | 7.91 | 6.0        | 2.48   | 104.0 |
| 623      | 4/12/2011 2:31  | 10.84  | 45.26  | 29.19        | 9.58    | 7.91 | 6.0        | 2.49   | 104.1 |
| 624      | 4/12/2011 2:46  | 10.87  | 45.80  | 29.57        | 9.46    | 7.89 | 6.1        | 2.55   | 103.2 |
| 625      | 4/12/2011 3:01  | 10.88  | 45.82  | 29.59        | 9.50    | 7.90 | 5.8        | 2.59   | 103.7 |
| 626      | 4/12/2011 3:16  | 10.84  | 46.06  | 29.76        | 9.51    | 7.89 | 5.8        | 2.63   | 103.8 |
| 627      | 4/12/2011 3:31  | 10.82  | 46.16  | 29.82        | 9.53    | 7.89 | 5.9        | 2.69   | 104.0 |
| 628      | 4/12/2011 3:46  | 10.75  | 46.43  | 30.02        | 9.52    | 7.88 | 5.5        | 2.74   | 103.8 |
| 629      | 4/12/2011 4:01  | 10.71  | 46.66  | 30.18        | 9.51    | 7.76 | 5.2        | 2.80   | 103.7 |
| 630      | 4/12/2011 4:16  | 10.70  | 46.71  | 30.21        | 9.54    | 7.88 | 5.4        | 2.85   | 104.1 |
| 631      | 4/12/2011 4:31  | 10.59  | 46.91  | 30.35        | 9.59    | 7.89 | 5.0        | 2.90   | 104.5 |
| 632      | 4/12/2011 4:46  | 10.56  | 46.97  | 30.39        | 9.62    | 7.77 | 4.6        | 2.95   | 104.7 |
| 633      | 4/12/2011 5:01  | 10.52  | 46.81  | 30.28        | 9.64    | 7.89 | 4.3        | 3.01   | 104.8 |
| 634      | 4/12/2011 5:16  | 10.46  | 47.07  | 30.46        | 9.62    | 7.89 | 4.3        | 3.06   | 104.6 |
| 635      | 4/12/2011 5:31  | 10.42  | 47.71  | 30.91        | 9.57    | 7.87 | 4.3        | 3.10   | 104.2 |
| 636      | 4/12/2011 5:46  | 10.38  | 48.02  | 31.13        | 9.56    | 7.86 | 4.2        | 3.15   | 104.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 637      | 4/12/2011 6:01  | 10.34  | 48.13  | 31.21        | 9.57    | 7.86 | 4.3        | 3.19   | 104.2 |
| 638      | 4/12/2011 6:16  | 10.33  | 48.16  | 31.24        | 9.54    | 7.86 | 4.4        | 3.20   | 103.9 |
| 639      | 4/12/2011 6:31  | 10.32  | 48.19  | 31.25        | 9.50    | 7.86 | 4.3        | 3.21   | 103.5 |
| 640      | 4/12/2011 6:46  | 10.35  | 48.20  | 31.26        | 9.43    | 7.86 | 4.8        | 3.22   | 102.8 |
| 641      | 4/12/2011 7:01  | 10.34  | 48.27  | 31.31        | 9.41    | 7.85 | 5.6        | 3.22   | 102.6 |
| 642      | 4/12/2011 7:16  | 10.33  | 48.43  | 31.43        | 9.39    | 7.85 | 4.5        | 3.20   | 102.4 |
| 643      | 4/12/2011 7:31  | 10.44  | 48.03  | 31.15        | 9.41    | 7.85 | 4.6        | 3.17   | 102.7 |
| 644      | 4/12/2011 7:46  | 10.47  | 47.39  | 30.69        | 9.36    | 7.75 | 4.4        | 3.13   | 102.0 |
| 645      | 4/12/2011 8:01  | 10.48  | 47.32  | 30.64        | 9.36    | 7.86 | 8.4        | 3.07   | 101.9 |
| 646      | 4/12/2011 8:16  | 10.52  | 46.69  | 30.19        | 9.39    | 7.87 | 4.4        | 3.02   | 102.0 |
| 647      | 4/12/2011 8:31  | 10.51  | 47.02  | 30.43        | 9.41    | 7.87 | 4.7        | 2.96   | 102.4 |
| 648      | 4/12/2011 8:46  | 10.59  | 46.82  | 30.28        | 9.40    | 7.88 | 5.1        | 2.89   | 102.3 |
| 649      | 4/12/2011 9:01  | 10.62  | 46.52  | 30.08        | 9.47    | 7.89 | 4.3        | 2.81   | 103.1 |
| 650      | 4/12/2011 9:16  | 10.67  | 46.15  | 29.81        | 9.74    | 7.92 | 7.1        | 2.74   | 105.9 |
| 651      | 4/12/2011 9:31  | 10.74  | 46.40  | 29.99        | 9.67    | 7.92 | 4.3        | 2.66   | 105.4 |
| 652      | 4/12/2011 9:46  | 10.80  | 46.45  | 30.03        | 9.73    | 7.92 | 4.5        | 2.58   | 106.3 |
| 653      | 4/12/2011 10:01 | 10.87  | 46.27  | 29.91        | 9.86    | 7.82 | 4.3        | 2.50   | 107.8 |
| 654      | 4/12/2011 10:16 | 10.93  | 45.99  | 29.71        | 9.97    | 7.94 | 4.2        | 2.42   | 109.0 |
| 655      | 4/12/2011 10:31 | 11.05  | 45.56  | 29.41        | 9.81    | 7.96 | 4.6        | 2.33   | 107.3 |
| 656      | 4/12/2011 10:46 | 11.15  | 45.43  | 29.32        | 10.16   | 7.98 | 5.4        | 2.22   | 111.3 |
| 657      | 4/12/2011 11:01 | 11.28  | 45.34  | 29.26        | 10.45   | 8.00 | 4.4        | 2.13   | 114.7 |
| 658      | 4/12/2011 11:16 | 11.40  | 44.95  | 28.99        | 10.56   | 8.02 | 4.2        | 2.05   | 116.0 |
| 659      | 4/12/2011 11:31 | 11.52  | 45.01  | 29.03        | 10.45   | 8.03 | 4.1        | 1.94   | 115.3 |
| 660      | 4/12/2011 11:46 | 11.62  | 44.89  | 28.96        | 10.58   | 8.04 | 4.2        | 1.85   | 116.8 |
| 661      | 4/12/2011 12:01 | 11.68  | 44.42  | 28.62        | 10.48   | 8.05 | 4.1        | 1.77   | 115.6 |
| 662      | 4/12/2011 12:16 | 11.77  | 44.49  | 28.68        | 10.58   | 8.06 | 4.3        | 1.70   | 117.0 |
| 663      | 4/12/2011 12:31 | 11.68  | 44.38  | 28.60        | 10.27   | 8.04 | 3.7        | 1.62   | 113.3 |
| 664      | 4/12/2011 12:46 | 11.74  | 44.63  | 28.78        | 10.45   | 8.05 | 3.8        | 1.55   | 115.5 |
| 665      | 4/12/2011 13:01 | 11.79  | 44.46  | 28.65        | 10.31   | 8.06 | 3.8        | 1.53   | 114.1 |
| 666      | 4/12/2011 13:16 | 11.46  | 44.92  | 28.97        | 9.97    | 7.88 | 3.2        | 1.50   | 109.7 |
| 667      | 4/12/2011 13:31 | 12.00  | 44.62  | 28.78        | 10.59   | 7.97 | 3.8        | 1.48   | 117.7 |
| 668      | 4/12/2011 13:46 | 11.90  | 44.57  | 28.74        | 10.50   | 8.01 | 3.8        | 1.48   | 116.5 |
| 669      | 4/12/2011 14:01 | 11.70  | 44.59  | 28.74        | 10.31   | 7.94 | 3.7        | 1.50   | 113.8 |
| 670      | 4/12/2011 14:16 | 11.83  | 44.44  | 28.64        | 10.39   | 8.05 | 3.5        | 1.53   | 115.0 |
| 671      | 4/12/2011 14:31 | 11.72  | 44.66  | 28.80        | 10.15   | 8.04 | 3.5        | 1.54   | 112.2 |
| 672      | 4/12/2011 14:46 | 11.73  | 44.49  | 28.67        | 10.26   | 8.04 | 3.6        | 1.59   | 113.3 |
| 673      | 4/12/2011 15:01 | 11.71  | 44.65  | 28.79        | 10.23   | 8.03 | 5.1        | 1.64   | 113.1 |
| 674      | 4/12/2011 15:16 | 11.53  | 44.81  | 28.90        | 10.04   | 7.90 | 3.5        | 1.71   | 110.6 |
| 675      | 4/12/2011 15:31 | 11.58  | 44.71  | 28.82        | 10.10   | 8.02 | 3.8        | 1.76   | 111.3 |
| 676      | 4/12/2011 15:46 | 11.63  | 44.40  | 28.61        | 10.11   | 8.02 | 4.3        | 1.82   | 111.4 |
| 677      | 4/12/2011 16:01 | 11.46  | 44.67  | 28.79        | 9.91    | 8.00 | 4.1        | 1.90   | 108.9 |
| 678      | 4/12/2011 16:16 | 11.41  | 44.67  | 28.79        | 9.85    | 7.99 | 4.4        | 1.96   | 108.2 |
| 679      | 4/12/2011 16:31 | 11.34  | 44.98  | 29.00        | 9.73    | 7.87 | 4.6        | 2.03   | 106.9 |
| 680      | 4/12/2011 16:46 | 11.25  | 44.97  | 28.99        | 9.47    | 7.95 | 11.4       | 2.12   | 103.8 |
| 681      | 4/12/2011 17:01 | 11.26  | 45.16  | 29.13        | 9.56    | 7.84 | 12.8       | 2.18   | 104.8 |
| 682      | 4/12/2011 17:16 | 11.23  | 45.34  | 29.26        | 9.62    | 7.94 | 15.2       | 2.26   | 105.5 |
| 683      | 4/12/2011 17:31 | 11.20  | 45.66  | 29.49        | 9.69    | 7.82 | 13.2       | 2.33   | 106.4 |
| 684      | 4/12/2011 17:46 | 11.17  | 45.79  | 29.58        | 9.77    | 7.93 | 9.2        | 2.42   | 107.3 |
| 685      | 4/12/2011 18:01 | 10.88  | 46.34  | 29.96        | 9.54    | 7.90 | 14.3       | 2.49   | 104.3 |
| 686      | 4/12/2011 18:16 | 10.80  | 46.66  | 30.18        | 9.52    | 7.89 | 15.4       | 2.56   | 104.1 |
| 687      | 4/12/2011 18:31 | 10.79  | 46.75  | 30.24        | 9.52    | 7.78 | 24.0       | 2.64   | 104.1 |
| 688      | 4/12/2011 18:46 | 10.78  | 46.80  | 30.28        | 9.56    | 7.89 | 30.8       | 2.71   | 104.5 |
| 689      | 4/12/2011 19:01 | 10.76  | 46.86  | 30.33        | 9.56    | 7.89 | 30.2       | 2.77   | 104.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 690      | 4/12/2011 19:16 | 10.72  | 46.97  | 30.40        | 9.51    | 7.88 | 65.3              | 2.82            | 103.9 |
| 691      | 4/12/2011 19:31 | 10.73  | 46.99  | 30.42        | 9.53    | 7.88 | 52.1              | 2.89            | 104.2 |
| 692      | 4/12/2011 19:46 | 10.69  | 47.35  | 30.68        | 9.61    | 7.88 | 70.1              | 2.94            | 105.1 |
| 693      | 4/12/2011 20:01 | 10.63  | 47.51  | 30.79        | 9.59    | 7.76 | 50.2              | 3.00            | 104.8 |
| 694      | 4/12/2011 20:16 | 10.58  | 47.57  | 30.82        | 9.56    | 7.88 | 50.9              | 3.04            | 104.4 |
| 695      | 4/12/2011 20:31 | 10.54  | 47.91  | 31.06        | 9.67    | 7.88 | 26.9              | 3.08            | 105.7 |
| 696      | 4/12/2011 20:46 | 10.52  | 48.05  | 31.17        | 9.65    | 7.76 | 15.6              | 3.09            | 105.5 |
| 697      | 4/12/2011 21:01 | 10.60  | 47.58  | 30.83        | 9.60    | 7.88 | 15.0              | 3.12            | 104.9 |
| 698      | 4/12/2011 21:16 | 10.52  | 48.08  | 31.19        | 9.62    | 7.87 | 14.8              | 3.10            | 105.2 |
| 699      | 4/12/2011 21:31 | 10.50  | 48.20  | 31.27        | 9.68    | 7.88 | 13.9              | 3.08            | 105.9 |
| 700      | 4/12/2011 21:46 | 10.75  | 47.07  | 30.48        | 9.54    | 7.90 | 13.1              | 3.06            | 104.3 |
| 701      | 4/12/2011 22:01 | 10.75  | 46.91  | 30.36        | 9.51    | 7.89 | 17.2              | 3.00            | 103.9 |
| 702      | 4/12/2011 22:16 | 10.80  | 46.42  | 30.01        | 9.41    | 7.90 | 12.3              | 2.94            | 102.7 |
| 703      | 4/12/2011 22:31 | 10.75  | 46.97  | 30.41        | 9.47    | 7.88 | 28.1              | 2.89            | 103.6 |
| 704      | 4/12/2011 22:46 | 10.76  | 46.71  | 30.21        | 9.45    | 7.89 | 18.8              | 2.82            | 103.3 |
| 705      | 4/12/2011 23:01 | 10.81  | 46.48  | 30.05        | 9.45    | 7.91 | 5.7               | 2.74            | 103.3 |
| 706      | 4/12/2011 23:16 | 10.84  | 46.44  | 30.02        | 9.48    | 7.91 | 5.8               | 2.69            | 103.6 |
| 707      | 4/12/2011 23:31 | 10.84  | 46.30  | 29.93        | 9.47    | 7.91 | 6.1               | 2.61            | 103.4 |
| 708      | 4/12/2011 23:46 | 10.83  | 46.16  | 29.83        | 9.45    | 7.91 | 5.7               | 2.54            | 103.2 |
| 709      | 4/13/2011 0:01  | 10.84  | 46.12  | 29.80        | 9.43    | 7.91 | 6.2               | 2.49            | 102.9 |
| 710      | 4/13/2011 0:16  | 10.87  | 45.92  | 29.65        | 9.43    | 7.92 | 5.9               | 2.42            | 102.9 |
| 711      | 4/13/2011 0:31  | 10.92  | 45.62  | 29.44        | 9.43    | 7.81 | 6.0               | 2.37            | 102.8 |
| 712      | 4/13/2011 0:46  | 10.96  | 45.49  | 29.35        | 9.43    | 7.93 | 5.5               | 2.32            | 103.0 |
| 713      | 4/13/2011 1:01  | 10.93  | 45.51  | 29.37        | 9.42    | 7.82 | 5.2               | 2.26            | 102.7 |
| 714      | 4/13/2011 1:16  | 10.94  | 45.24  | 29.18        | 9.48    | 7.94 | 5.0               | 2.23            | 103.3 |
| 715      | 4/13/2011 1:31  | 11.12  | 45.03  | 29.03        | 9.64    | 7.97 | 5.2               | 2.20            | 105.3 |
| 716      | 4/13/2011 1:46  | 11.09  | 45.03  | 29.03        | 9.64    | 7.97 | 4.6               | 2.17            | 105.3 |
| 717      | 4/13/2011 2:01  | 10.98  | 45.57  | 29.41        | 9.37    | 7.82 | 4.9               | 2.16            | 102.3 |
| 718      | 4/13/2011 2:16  | 11.09  | 45.03  | 29.03        | 9.54    | 7.85 | 5.6               | 2.16            | 104.2 |
| 719      | 4/13/2011 2:31  | 11.10  | 44.81  | 28.87        | 9.67    | 7.97 | 4.4               | 2.16            | 105.6 |
| 720      | 4/13/2011 2:46  | 11.01  | 45.25  | 29.19        | 9.47    | 7.94 | 6.2               | 2.18            | 103.3 |
| 721      | 4/13/2011 3:01  | 10.97  | 45.54  | 29.39        | 9.44    | 7.94 | 6.5               | 2.23            | 103.0 |
| 722      | 4/13/2011 3:16  | 10.94  | 45.49  | 29.35        | 9.36    | 7.92 | 7.6               | 2.26            | 102.2 |
| 723      | 4/13/2011 3:31  | 10.92  | 45.24  | 29.17        | 9.54    | 7.94 | 7.4               | 2.30            | 103.9 |
| 724      | 4/13/2011 3:46  | 10.90  | 45.56  | 29.40        | 9.42    | 7.92 | 7.8               | 2.36            | 102.7 |
| 725      | 4/13/2011 4:01  | 10.87  | 46.02  | 29.73        | 9.36    | 7.90 | 9.0               | 2.42            | 102.2 |
| 726      | 4/13/2011 4:16  | 10.86  | 46.08  | 29.77        | 9.37    | 7.79 | 13.3              | 2.47            | 102.3 |
| 727      | 4/13/2011 4:31  | 10.77  | 46.37  | 29.97        | 9.35    | 7.89 | 30.8              | 2.52            | 102.0 |
| 728      | 4/13/2011 4:46  | 10.73  | 46.46  | 30.04        | 9.37    | 7.89 | 32.7              | 2.58            | 102.2 |
| 729      | 4/13/2011 5:01  | 10.68  | 46.82  | 30.29        | 9.42    | 7.89 | 37.0              | 2.64            | 102.8 |
| 730      | 4/13/2011 5:16  | 10.61  | 46.98  | 30.40        | 9.49    | 7.89 | 22.2              | 2.70            | 103.5 |
| 731      | 4/13/2011 5:31  | 10.52  | 47.00  | 30.41        | 9.57    | 7.77 | 10.9              | 2.76            | 104.1 |
| 732      | 4/13/2011 5:46  | 10.49  | 47.07  | 30.46        | 9.59    | 7.89 | 8.3               | 2.83            | 104.3 |
| 733      | 4/13/2011 6:01  | 10.42  | 47.28  | 30.61        | 9.62    | 7.89 | 10.2              | 2.87            | 104.6 |
| 734      | 4/13/2011 6:16  | 10.39  | 47.68  | 30.89        | 9.64    | 7.76 | 9.4               | 2.95            | 104.9 |
| 735      | 4/13/2011 6:31  | 10.37  | 47.85  | 31.02        | 9.64    | 7.76 | 9.2               | 3.01            | 105.0 |
| 736      | 4/13/2011 6:46  | 10.38  | 47.99  | 31.12        | 9.65    | 7.88 | 9.6               | 3.07            | 105.1 |
| 737      | 4/13/2011 7:01  | 10.35  | 48.24  | 31.29        | 9.64    | 7.76 | 11.8              | 3.13            | 105.1 |
| 738      | 4/13/2011 7:16  | 10.28  | 48.09  | 31.18        | 9.63    | 7.76 | 8.6               | 3.16            | 104.7 |
| 739      | 4/13/2011 7:31  | 10.27  | 48.11  | 31.19        | 9.64    | 7.87 | 8.5               | 3.21            | 104.9 |
| 740      | 4/13/2011 7:46  | 10.25  | 48.40  | 31.40        | 9.58    | 7.75 | 11.5              | 3.24            | 104.3 |
| 741      | 4/13/2011 8:01  | 10.25  | 48.36  | 31.37        | 9.51    | 7.87 | 9.8               | 3.26            | 103.6 |
| 742      | 4/13/2011 8:16  | 10.27  | 48.31  | 31.34        | 9.46    | 7.87 | 11.0              | 3.26            | 103.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 743      | 4/13/2011 8:31  | 10.24  | 48.33  | 31.35        | 9.48    | 7.87 | 11.0              | 3.25            | 103.1 |
| 744      | 4/13/2011 8:46  | 10.25  | 48.23  | 31.28        | 9.50    | 7.87 | 11.2              | 3.23            | 103.3 |
| 745      | 4/13/2011 9:01  | 10.24  | 47.87  | 31.02        | 9.59    | 7.76 | 8.9               | 3.18            | 104.2 |
| 746      | 4/13/2011 9:16  | 10.25  | 47.28  | 30.60        | 9.66    | 7.89 | 6.6               | 3.12            | 104.7 |
| 747      | 4/13/2011 9:31  | 10.31  | 47.28  | 30.60        | 9.67    | 7.89 | 6.5               | 3.06            | 104.9 |
| 748      | 4/13/2011 9:46  | 10.32  | 47.69  | 30.89        | 9.59    | 7.88 | 13.2              | 2.99            | 104.2 |
| 749      | 4/13/2011 10:01 | 10.38  | 47.30  | 30.62        | 9.57    | 7.88 | 15.4              | 2.91            | 103.9 |
| 750      | 4/13/2011 10:16 | 10.46  | 46.89  | 30.33        | 9.59    | 7.89 | 7.9               | 2.83            | 104.2 |
| 751      | 4/13/2011 10:31 | 10.66  | 46.75  | 30.24        | 9.64    | 7.78 | 5.6               | 2.76            | 105.1 |
| 752      | 4/13/2011 10:46 | 10.73  | 46.73  | 30.23        | 9.74    | 7.90 | 5.4               | 2.67            | 106.4 |
| 753      | 4/13/2011 11:01 | 10.80  | 46.45  | 30.03        | 9.66    | 7.80 | 8.5               | 2.58            | 105.5 |
| 754      | 4/13/2011 11:16 | 11.07  | 46.51  | 30.09        | 10.02   | 7.93 | 5.2               | 2.49            | 110.1 |
| 755      | 4/13/2011 11:31 | 11.17  | 46.01  | 29.74        | 10.18   | 7.95 | 5.4               | 2.40            | 111.8 |
| 756      | 4/13/2011 11:46 | 11.32  | 45.59  | 29.44        | 10.08   | 7.87 | 6.6               | 2.30            | 111.0 |
| 757      | 4/13/2011 12:01 | 11.56  | 45.46  | 29.36        | 10.56   | 7.90 | 6.3               | 2.20            | 116.8 |
| 758      | 4/13/2011 12:16 | 11.76  | 45.27  | 29.23        | 10.61   | 8.02 | 5.3               | 2.10            | 117.7 |
| 759      | 4/13/2011 12:31 | 11.80  | 44.90  | 28.97        | 10.44   | 8.02 | 6.0               | 2.00            | 115.7 |
| 760      | 4/13/2011 12:46 | 12.26  | 45.24  | 29.23        | 10.85   | 8.03 | 6.7               | 1.88            | 121.7 |
| 761      | 4/13/2011 13:01 | 12.36  | 45.05  | 29.10        | 10.93   | 8.05 | 5.7               | 1.78            | 122.7 |
| 762      | 4/13/2011 13:16 | 12.19  | 45.02  | 29.07        | 10.89   | 8.05 | 8.1               | 1.70            | 121.8 |
| 763      | 4/13/2011 13:31 | 12.06  | 44.95  | 29.02        | 10.77   | 8.05 | 5.7               | 1.63            | 120.1 |
| 764      | 4/13/2011 13:46 | 12.16  | 44.89  | 28.98        | 10.80   | 8.06 | 4.8               | 1.56            | 120.7 |
| 765      | 4/13/2011 14:01 | 12.06  | 44.87  | 28.96        | 10.71   | 7.96 | 4.2               | 1.51            | 119.3 |
| 766      | 4/13/2011 14:16 | 12.73  | 44.81  | 28.94        | 11.03   | 8.07 | 7.5               | 1.48            | 124.6 |
| 767      | 4/13/2011 14:31 | 12.05  | 45.05  | 29.09        | 10.77   | 7.95 | 4.5               | 1.44            | 120.1 |
| 768      | 4/13/2011 14:46 | 12.33  | 44.88  | 28.97        | 10.78   | 8.01 | 5.2               | 1.46            | 120.9 |
| 769      | 4/13/2011 15:01 | 12.24  | 44.93  | 29.01        | 10.73   | 8.05 | 7.3               | 1.47            | 120.1 |
| 770      | 4/13/2011 15:16 | 12.16  | 44.93  | 29.01        | 10.61   | 8.04 | 10.1              | 1.50            | 118.5 |
| 771      | 4/13/2011 15:31 | 12.15  | 44.94  | 29.01        | 10.60   | 8.00 | 7.1               | 1.56            | 118.4 |
| 772      | 4/13/2011 15:46 | 12.32  | 43.99  | 28.34        | 10.62   | 7.99 | 9.3               | 1.60            | 118.5 |
| 773      | 4/13/2011 16:01 | 12.13  | 44.39  | 28.62        | 10.60   | 8.03 | 6.1               | 1.66            | 118.1 |
| 774      | 4/13/2011 16:16 | 11.87  | 44.65  | 28.79        | 10.49   | 8.02 | 5.7               | 1.73            | 116.3 |
| 775      | 4/13/2011 16:31 | 11.84  | 44.15  | 28.44        | 10.50   | 8.02 | 6.4               | 1.81            | 116.1 |
| 776      | 4/13/2011 16:46 | 11.81  | 44.01  | 28.34        | 10.36   | 7.91 | 6.6               | 1.86            | 114.4 |
| 777      | 4/13/2011 17:01 | 11.85  | 43.70  | 28.12        | 10.27   | 8.00 | 10.0              | 1.95            | 113.3 |
| 778      | 4/13/2011 17:16 | 11.84  | 44.06  | 28.37        | 10.29   | 8.00 | 10.2              | 2.04            | 113.8 |
| 779      | 4/13/2011 17:31 | 11.47  | 44.78  | 28.87        | 9.96    | 7.97 | 17.0              | 2.11            | 109.5 |
| 780      | 4/13/2011 17:46 | 11.37  | 45.27  | 29.22        | 9.81    | 7.84 | 30.5              | 2.19            | 107.9 |
| 781      | 4/13/2011 18:01 | 11.22  | 45.61  | 29.45        | 9.78    | 7.93 | 36.5              | 2.29            | 107.4 |
| 782      | 4/13/2011 18:16 | 11.19  | 45.77  | 29.57        | 9.84    | 7.93 | 35.7              | 2.37            | 108.1 |
| 783      | 4/13/2011 18:31 | 11.16  | 46.06  | 29.77        | 9.85    | 7.82 | 49.7              | 2.46            | 108.3 |
| 784      | 4/13/2011 18:46 | 11.06  | 46.18  | 29.85        | 9.82    | 7.81 | 33.3              | 2.54            | 107.8 |
| 785      | 4/13/2011 19:01 | 11.05  | 45.95  | 29.69        | 9.81    | 7.92 | 35.3              | 2.62            | 107.5 |
| 786      | 4/13/2011 19:16 | 10.96  | 46.18  | 29.85        | 9.72    | 7.90 | 32.1              | 2.70            | 106.4 |
| 787      | 4/13/2011 19:31 | 10.96  | 46.31  | 29.94        | 9.74    | 7.90 | 27.7              | 2.78            | 106.6 |
| 788      | 4/13/2011 19:46 | 10.97  | 46.70  | 30.22        | 9.78    | 7.90 | 15.6              | 2.85            | 107.4 |
| 789      | 4/13/2011 20:01 | 10.96  | 46.62  | 30.16        | 9.78    | 7.90 | 15.0              | 2.93            | 107.3 |
| 790      | 4/13/2011 20:16 | 10.89  | 46.92  | 30.38        | 9.79    | 7.90 | 12.8              | 3.00            | 107.4 |
| 791      | 4/13/2011 20:31 | 10.80  | 47.23  | 30.59        | 9.76    | 7.89 | 15.5              | 3.05            | 107.0 |
| 792      | 4/13/2011 20:46 | 10.70  | 47.61  | 30.86        | 9.81    | 7.88 | 16.3              | 3.12            | 107.5 |
| 793      | 4/13/2011 21:01 | 10.55  | 48.31  | 31.35        | 9.82    | 7.88 | 14.8              | 3.17            | 107.5 |
| 794      | 4/13/2011 21:16 | 10.49  | 48.30  | 31.34        | 9.80    | 7.88 | 10.5              | 3.21            | 107.2 |
| 795      | 4/13/2011 21:31 | 10.48  | 48.38  | 31.40        | 9.76    | 7.88 | 8.1               | 3.25            | 106.8 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 796      | 4/13/2011 21:46 | 10.43  | 48.51  | 31.49        | 9.73    | 7.88 | 7.5        | 3.26   | 106.4 |
| 797      | 4/13/2011 22:01 | 10.49  | 48.45  | 31.45        | 9.68    | 7.88 | 8.5        | 3.26   | 105.9 |
| 798      | 4/13/2011 22:16 | 10.44  | 48.35  | 31.38        | 9.68    | 7.88 | 9.9        | 3.24   | 105.8 |
| 799      | 4/13/2011 22:31 | 10.69  | 47.30  | 30.64        | 9.58    | 7.89 | 10.3       | 3.19   | 104.8 |
| 800      | 4/13/2011 22:46 | 10.75  | 46.91  | 30.36        | 9.60    | 7.90 | 10.5       | 3.13   | 104.9 |
| 801      | 4/13/2011 23:01 | 10.85  | 46.66  | 30.19        | 9.62    | 7.90 | 8.7        | 3.06   | 105.2 |
| 802      | 4/13/2011 23:16 | 10.82  | 46.98  | 30.42        | 9.62    | 7.78 | 20.0       | 2.98   | 105.4 |
| 803      | 4/13/2011 23:31 | 10.88  | 46.75  | 30.25        | 9.60    | 7.78 | 14.1       | 2.89   | 105.2 |
| 804      | 4/13/2011 23:46 | 10.91  | 46.63  | 30.17        | 9.58    | 7.79 | 10.3       | 2.82   | 105.0 |
| 805      | 4/14/2011 0:01  | 10.97  | 46.39  | 30.00        | 9.53    | 7.80 | 8.2        | 2.73   | 104.5 |
| 806      | 4/14/2011 0:16  | 10.99  | 46.21  | 29.87        | 9.55    | 7.80 | 8.0        | 2.64   | 104.7 |
| 807      | 4/14/2011 0:31  | 11.02  | 45.84  | 29.60        | 9.64    | 7.93 | 10.4       | 2.55   | 105.5 |
| 808      | 4/14/2011 0:46  | 11.01  | 45.84  | 29.61        | 9.61    | 7.93 | 7.6        | 2.47   | 105.1 |
| 809      | 4/14/2011 1:01  | 11.00  | 45.80  | 29.58        | 9.71    | 7.93 | 6.4        | 2.39   | 106.2 |
| 810      | 4/14/2011 1:16  | 11.09  | 45.44  | 29.32        | 9.72    | 7.95 | 6.5        | 2.30   | 106.4 |
| 811      | 4/14/2011 1:31  | 11.16  | 45.19  | 29.15        | 9.80    | 7.97 | 6.3        | 2.23   | 107.3 |
| 812      | 4/14/2011 1:46  | 11.18  | 45.11  | 29.09        | 9.78    | 7.86 | 6.1        | 2.15   | 107.1 |
| 813      | 4/14/2011 2:01  | 11.19  | 45.04  | 29.05        | 9.75    | 7.98 | 6.0        | 2.08   | 106.7 |
| 814      | 4/14/2011 2:16  | 11.32  | 44.83  | 28.90        | 9.89    | 7.88 | 6.0        | 2.02   | 108.4 |
| 815      | 4/14/2011 2:31  | 11.44  | 44.52  | 28.68        | 9.99    | 8.01 | 6.0        | 1.97   | 109.7 |
| 816      | 4/14/2011 2:46  | 11.51  | 44.45  | 28.64        | 10.05   | 8.02 | 6.0        | 1.93   | 110.5 |
| 817      | 4/14/2011 3:01  | 11.59  | 44.41  | 28.61        | 10.05   | 8.04 | 4.9        | 1.90   | 110.6 |
| 818      | 4/14/2011 3:16  | 11.45  | 44.51  | 28.68        | 9.96    | 7.90 | 6.2        | 1.89   | 109.4 |
| 819      | 4/14/2011 3:31  | 11.37  | 44.59  | 28.73        | 9.95    | 8.01 | 6.1        | 1.92   | 109.1 |
| 820      | 4/14/2011 3:46  | 11.31  | 44.67  | 28.79        | 9.90    | 7.99 | 5.7        | 1.93   | 108.4 |
| 821      | 4/14/2011 4:01  | 11.31  | 44.77  | 28.85        | 9.83    | 7.98 | 6.0        | 1.96   | 107.8 |
| 822      | 4/14/2011 4:16  | 11.29  | 44.94  | 28.98        | 9.74    | 7.86 | 6.1        | 2.03   | 106.8 |
| 823      | 4/14/2011 4:31  | 11.26  | 44.41  | 28.60        | 9.80    | 7.98 | 6.9        | 2.08   | 107.2 |
| 824      | 4/14/2011 4:46  | 11.22  | 44.97  | 28.99        | 9.70    | 7.96 | 6.3        | 2.15   | 106.2 |
| 825      | 4/14/2011 5:01  | 11.19  | 45.04  | 29.04        | 9.65    | 7.95 | 6.3        | 2.22   | 105.6 |
| 826      | 4/14/2011 5:16  | 11.16  | 45.19  | 29.15        | 9.62    | 7.94 | 6.3        | 2.29   | 105.4 |
| 827      | 4/14/2011 5:31  | 11.11  | 45.42  | 29.31        | 9.53    | 7.93 | 15.3       | 2.36   | 104.3 |
| 828      | 4/14/2011 5:46  | 10.99  | 45.67  | 29.49        | 9.37    | 7.91 | 35.8       | 2.43   | 102.5 |
| 829      | 4/14/2011 6:01  | 10.94  | 45.92  | 29.66        | 9.37    | 7.91 | 43.9       | 2.50   | 102.4 |
| 830      | 4/14/2011 6:16  | 10.90  | 45.95  | 29.68        | 9.48    | 7.91 | 37.0       | 2.57   | 103.5 |
| 831      | 4/14/2011 6:31  | 10.81  | 46.24  | 29.88        | 9.52    | 7.90 | 18.2       | 2.64   | 103.9 |
| 832      | 4/14/2011 6:46  | 10.79  | 46.47  | 30.05        | 9.55    | 7.79 | 13.8       | 2.70   | 104.3 |
| 833      | 4/14/2011 7:01  | 10.76  | 46.80  | 30.28        | 9.54    | 7.90 | 15.8       | 2.77   | 104.2 |
| 834      | 4/14/2011 7:16  | 10.71  | 47.07  | 30.48        | 9.51    | 7.89 | 18.1       | 2.84   | 103.9 |
| 835      | 4/14/2011 7:31  | 10.64  | 47.18  | 30.55        | 9.53    | 7.89 | 14.3       | 2.91   | 104.1 |
| 836      | 4/14/2011 7:46  | 10.60  | 47.30  | 30.64        | 9.53    | 7.88 | 16.7       | 2.97   | 104.0 |
| 837      | 4/14/2011 8:01  | 10.54  | 47.56  | 30.81        | 9.54    | 7.88 | 13.4       | 3.04   | 104.1 |
| 838      | 4/14/2011 8:16  | 10.50  | 47.73  | 30.93        | 9.55    | 7.77 | 16.7       | 3.10   | 104.2 |
| 839      | 4/14/2011 8:31  | 10.48  | 47.58  | 30.82        | 9.56    | 7.88 | 14.3       | 3.16   | 104.2 |
| 840      | 4/14/2011 8:46  | 10.38  | 48.00  | 31.12        | 9.59    | 7.88 | 17.0       | 3.22   | 104.5 |
| 841      | 4/14/2011 9:01  | 10.35  | 48.03  | 31.14        | 9.55    | 7.76 | 19.9       | 3.26   | 104.1 |
| 842      | 4/14/2011 9:16  | 10.34  | 48.17  | 31.24        | 9.51    | 7.76 | 19.8       | 3.28   | 103.6 |
| 843      | 4/14/2011 9:31  | 10.29  | 48.28  | 31.32        | 9.49    | 7.88 | 12.5       | 3.30   | 103.4 |
| 844      | 4/14/2011 9:46  | 10.39  | 48.07  | 31.17        | 9.50    | 7.76 | 13.2       | 3.30   | 103.5 |
| 845      | 4/14/2011 10:01 | 10.28  | 48.34  | 31.36        | 9.45    | 7.76 | 15.7       | 3.28   | 102.9 |
| 846      | 4/14/2011 10:16 | 10.61  | 47.48  | 30.76        | 9.73    | 7.89 | 8.5        | 3.22   | 106.3 |
| 847      | 4/14/2011 10:31 | 10.66  | 47.30  | 30.64        | 9.70    | 7.89 | 8.2        | 3.15   | 106.0 |
| 848      | 4/14/2011 10:46 | 10.69  | 47.01  | 30.43        | 9.73    | 7.90 | 8.6        | 3.09   | 106.3 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 849      | 4/14/2011 11:01 | 10.78  | 46.83  | 30.30        | 9.73    | 7.91 | 7.9               | 3.00            | 106.4 |
| 850      | 4/14/2011 11:16 | 10.79  | 46.68  | 30.20        | 9.59    | 7.91 | 14.2              | 2.91            | 104.9 |
| 851      | 4/14/2011 11:31 | 10.92  | 46.56  | 30.11        | 9.77    | 7.91 | 7.8               | 2.82            | 107.1 |
| 852      | 4/14/2011 11:46 | 11.09  | 46.19  | 29.86        | 9.85    | 7.93 | 7.1               | 2.73            | 108.1 |
| 853      | 4/14/2011 12:01 | 11.14  | 46.32  | 29.96        | 9.93    | 7.82 | 8.3               | 2.61            | 109.2 |
| 854      | 4/14/2011 12:16 | 11.20  | 45.96  | 29.70        | 10.04   | 7.93 | 12.9              | 2.51            | 110.3 |
| 855      | 4/14/2011 12:31 | 11.46  | 45.84  | 29.63        | 10.27   | 7.96 | 8.3               | 2.40            | 113.5 |
| 856      | 4/14/2011 12:46 | 11.63  | 45.96  | 29.72        | 10.48   | 7.97 | 7.4               | 2.28            | 116.3 |
| 857      | 4/14/2011 13:01 | 11.67  | 45.55  | 29.43        | 10.41   | 7.88 | 8.5               | 2.19            | 115.4 |
| 858      | 4/14/2011 13:16 | 11.98  | 45.35  | 29.30        | 10.70   | 8.02 | 8.2               | 2.06            | 119.3 |
| 859      | 4/14/2011 13:31 | 12.08  | 45.20  | 29.20        | 10.81   | 8.04 | 7.2               | 1.95            | 120.7 |
| 860      | 4/14/2011 13:46 | 12.45  | 45.19  | 29.20        | 10.84   | 8.02 | 7.7               | 1.84            | 122.0 |
| 861      | 4/14/2011 14:01 | 12.28  | 44.91  | 28.99        | 10.80   | 8.02 | 6.5               | 1.74            | 121.0 |
| 862      | 4/14/2011 14:16 | 12.29  | 44.96  | 29.04        | 10.79   | 7.97 | 5.6               | 1.66            | 120.9 |
| 863      | 4/14/2011 14:31 | 12.44  | 44.86  | 28.96        | 10.82   | 8.08 | 6.2               | 1.56            | 121.5 |
| 864      | 4/14/2011 14:46 | 12.49  | 44.85  | 28.96        | 10.86   | 8.08 | 5.7               | 1.52            | 122.2 |
| 865      | 4/14/2011 15:01 | 12.43  | 44.72  | 28.86        | 10.84   | 8.09 | 6.7               | 1.46            | 121.6 |
| 866      | 4/14/2011 15:16 | 12.60  | 45.00  | 29.07        | 10.85   | 8.04 | 7.9               | 1.44            | 122.4 |
| 867      | 4/14/2011 15:31 | 12.26  | 44.95  | 29.02        | 10.75   | 8.07 | 5.5               | 1.43            | 120.4 |
| 868      | 4/14/2011 15:46 | 11.99  | 45.14  | 29.15        | 10.77   | 8.06 | 4.6               | 1.46            | 120.0 |
| 869      | 4/14/2011 16:01 | 12.21  | 45.04  | 29.09        | 10.73   | 8.06 | 7.2               | 1.49            | 120.1 |
| 870      | 4/14/2011 16:16 | 12.13  | 45.07  | 29.11        | 10.72   | 8.05 | 6.7               | 1.55            | 119.7 |
| 871      | 4/14/2011 16:31 | 12.11  | 44.61  | 28.78        | 10.64   | 8.04 | 7.3               | 1.60            | 118.6 |
| 872      | 4/14/2011 16:46 | 12.09  | 44.19  | 28.48        | 10.61   | 7.99 | 6.7               | 1.68            | 118.0 |
| 873      | 4/14/2011 17:01 | 12.03  | 44.38  | 28.61        | 10.55   | 8.03 | 6.5               | 1.75            | 117.3 |
| 874      | 4/14/2011 17:16 | 11.98  | 44.21  | 28.48        | 10.47   | 7.92 | 6.0               | 1.83            | 116.2 |
| 875      | 4/14/2011 17:31 | 12.00  | 43.94  | 28.29        | 10.52   | 7.92 | 6.0               | 1.91            | 116.6 |
| 876      | 4/14/2011 17:46 | 11.94  | 44.19  | 28.47        | 10.44   | 7.92 | 6.6               | 1.99            | 115.7 |
| 877      | 4/14/2011 18:01 | 11.59  | 44.93  | 28.99        | 10.04   | 7.96 | 15.4              | 2.08            | 110.8 |
| 878      | 4/14/2011 18:16 | 11.51  | 45.42  | 29.33        | 9.88    | 7.95 | 29.0              | 2.17            | 109.1 |
| 879      | 4/14/2011 18:31 | 11.46  | 45.60  | 29.45        | 9.92    | 7.85 | 33.8              | 2.26            | 109.5 |
| 880      | 4/14/2011 18:46 | 11.30  | 46.09  | 29.80        | 9.93    | 7.94 | 35.7              | 2.36            | 109.5 |
| 881      | 4/14/2011 19:01 | 11.25  | 46.25  | 29.91        | 9.97    | 7.84 | 38.7              | 2.45            | 109.9 |
| 882      | 4/14/2011 19:16 | 11.21  | 46.12  | 29.82        | 9.93    | 7.94 | 33.6              | 2.55            | 109.3 |
| 883      | 4/14/2011 19:31 | 11.15  | 46.37  | 29.99        | 9.95    | 7.93 | 20.0              | 2.64            | 109.4 |
| 884      | 4/14/2011 19:46 | 11.08  | 46.35  | 29.98        | 9.87    | 7.92 | 23.4              | 2.73            | 108.4 |
| 885      | 4/14/2011 20:01 | 10.99  | 46.48  | 30.06        | 9.83    | 7.91 | 19.7              | 2.82            | 107.8 |
| 886      | 4/14/2011 20:16 | 10.94  | 46.82  | 30.31        | 9.84    | 7.91 | 21.2              | 2.91            | 107.9 |
| 887      | 4/14/2011 20:31 | 10.85  | 47.16  | 30.55        | 9.80    | 7.90 | 19.7              | 3.00            | 107.6 |
| 888      | 4/14/2011 20:46 | 10.71  | 47.66  | 30.89        | 9.75    | 7.89 | 19.4              | 3.09            | 106.8 |
| 889      | 4/14/2011 21:01 | 10.51  | 48.43  | 31.44        | 9.71    | 7.89 | 26.9              | 3.18            | 106.4 |
| 890      | 4/14/2011 21:16 | 10.40  | 48.69  | 31.62        | 9.67    | 7.77 | 64.5              | 3.26            | 105.8 |
| 891      | 4/14/2011 21:31 | 10.34  | 49.03  | 31.86        | 9.71    | 7.77 | 27.2              | 3.33            | 106.2 |
| 892      | 4/14/2011 21:46 | 10.30  | 49.09  | 31.90        | 9.70    | 7.77 | 17.2              | 3.40            | 106.1 |
| 893      | 4/14/2011 22:01 | 10.27  | 49.14  | 31.94        | 9.71    | 7.88 | 11.7              | 3.45            | 106.1 |
| 894      | 4/14/2011 22:16 | 10.27  | 48.96  | 31.81        | 9.70    | 7.89 | 11.7              | 3.49            | 106.0 |
| 895      | 4/14/2011 22:31 | 10.26  | 49.13  | 31.93        | 9.65    | 7.89 | 10.9              | 3.50            | 105.4 |
| 896      | 4/14/2011 22:46 | 10.29  | 49.03  | 31.86        | 9.60    | 7.89 | 14.2              | 3.50            | 105.0 |
| 897      | 4/14/2011 23:01 | 10.28  | 48.99  | 31.83        | 9.63    | 7.88 | 15.7              | 3.46            | 105.2 |
| 898      | 4/14/2011 23:16 | 10.77  | 47.54  | 30.82        | 9.61    | 7.78 | 9.2               | 3.41            | 105.4 |
| 899      | 4/14/2011 23:31 | 10.74  | 47.70  | 30.93        | 9.61    | 7.78 | 9.4               | 3.32            | 105.4 |
| 900      | 4/14/2011 23:46 | 10.73  | 47.80  | 31.00        | 9.59    | 7.90 | 10.1              | 3.23            | 105.2 |
| 901      | 4/15/2011 0:01  | 10.74  | 47.63  | 30.88        | 9.63    | 7.90 | 11.8              | 3.14            | 105.7 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%    |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|--------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |        |
| 902      | 4/15/2011 0:16  | 10.72  | 47.79  | 30.99        | 9.60    | 7.90 | 8.2        | 3.03            | 105.4  |
| 903      | 4/15/2011 0:31  | 10.74  | 47.67  | 30.90        | 9.55    | 7.78 | 8.5        | 2.92            | 104.8  |
| 904      | 4/15/2011 0:46  | 10.82  | 47.32  | 30.66        | 9.56    | 7.79 | 8.4        | 2.82            | 104.8  |
| 905      | 4/15/2011 1:01  | 10.97  | 46.77  | 30.27        | 9.59    | 7.90 | 10.1       | 2.71            | 105.3  |
| 906      | 4/15/2011 1:16  | 10.84  | 47.23  | 30.60        | 9.59    | 7.77 | 10.1       | 2.61            | 105.2  |
| 907      | 4/15/2011 1:31  | 10.98  | 46.74  | 30.25        | 9.60    | 7.91 | 7.6        | 2.50            | 105.4  |
| 908      | 4/15/2011 1:46  | 11.34  | 45.63  | 29.47        | 9.73    | 7.94 | 11.4       | 2.39            | 107.2  |
| 909      | 4/15/2011 2:01  | 11.27  | 45.70  | 29.52        | 9.69    | 7.94 | 9.7        | 2.28            | 106.6  |
| 910      | 4/15/2011 2:16  | 11.25  | 45.92  | 29.67        | 9.70    | 7.94 | 8.1        | 2.17            | 106.8  |
| 911      | 4/15/2011 2:31  | 11.36  | 45.58  | 29.44        | 9.77    | 7.96 | 8.5        | 2.06            | 107.6  |
| 912      | 4/15/2011 2:46  | 11.36  | 45.55  | 29.41        | 9.84    | 7.97 | 8.3        | 1.95            | 108.3  |
| 913      | 4/15/2011 3:01  | 11.49  | 45.29  | 29.24        | 9.91    | 7.99 | 7.8        | 1.86            | 109.3  |
| 914      | 4/15/2011 3:16  | 11.64  | 45.05  | 29.07        | 10.04   | 8.01 | 7.1        | 1.78            | 111.0  |
| 915      | 4/15/2011 3:31  | 11.74  | 45.01  | 29.05        | 10.09   | 8.03 | 7.3        | 1.70            | 111.8  |
| 916      | 4/15/2011 3:46  | 11.79  | 45.00  | 29.04        | 10.16   | 8.04 | 7.3        | 1.65            | 112.6  |
| 917      | 4/15/2011 4:01  | 11.81  | 44.81  | 28.91        | 10.18   | 8.04 | 7.3        | 1.64            | 112.8  |
| 918      | 4/15/2011 4:16  | 11.76  | 44.88  | 28.96        | 10.10   | 8.04 | 8.4        | 1.63            | 111.8  |
| 919      | 4/15/2011 4:31  | 11.72  | 44.96  | 29.01        | 10.10   | 8.03 | 7.6        | 1.64            | 111.8  |
| 920      | 4/15/2011 4:46  | 11.65  | 45.01  | 29.04        | 10.03   | 8.01 | 6.8        | 1.67            | 110.9  |
| 921      | 4/15/2011 5:01  | 11.59  | 45.03  | 29.05        | 9.95    | 7.99 | 7.8        | 1.73            | 109.8  |
| 922      | 4/15/2011 5:16  | 11.55  | 44.85  | 28.92        | 9.86    | 7.98 | 8.5        | 1.81            | 108.6  |
| 923      | 4/15/2011 5:31  | 11.54  | 44.84  | 28.92        | 9.80    | 7.87 | 7.9        | 1.87            | 107.9  |
| 924      | 4/15/2011 5:46  | 11.53  | 44.67  | 28.79        | 9.74    | 7.96 | 7.8        | 1.97            | 107.2  |
| 925      | 4/15/2011 6:01  | 11.51  | 44.92  | 28.97        | 9.70    | 7.86 | 8.2        | 2.05            | 106.9  |
| 926      | 4/15/2011 6:16  | 11.47  | 45.01  | 29.03        | 9.61    | 7.89 | 25.8       | 2.12            | 105.8  |
| 927      | 4/15/2011 6:31  | 11.34  | 45.32  | 29.25        | 9.45    | 7.88 | 64.0       | 2.20            | 103.8  |
| 928      | 4/15/2011 6:46  | 11.25  | 45.68  | 29.51        | 9.47    | 7.87 | 85.9       | 2.29            | 104.1  |
| 929      | 4/15/2011 7:01  | 11.15  | 45.94  | 29.69        | 9.56    | 7.86 | 49.0       | 2.38            | 105.0  |
| 930      | 4/15/2011 7:16  | 11.08  | 46.15  | 29.84        | 9.65    | 7.86 | 21.9       | 2.46            | 105.9  |
| 931      | 4/15/2011 7:31  | 11.06  | 46.47  | 30.06        | 9.66    | 7.86 | 19.6       | 2.54            | 106.1  |
| 932      | 4/15/2011 7:46  | 11.02  | 46.50  | 30.08        | 9.67    | 7.86 | 13.2       | 2.63            | 106.1  |
| 933      | 4/15/2011 8:01  | 10.92  | 46.78  | 30.27        | 9.62    | 7.85 | 14.9       | 2.71            | 105.6  |
| 934      | 4/15/2011 8:16  | 10.88  | 46.87  | 30.34        | 9.61    | 7.85 | 11.9       | 2.79            | 105.3  |
| 935      | 4/15/2011 8:31  | 10.76  | 47.13  | 30.52        | 9.60    | 7.84 | 16.0       | 2.88            | 105.1  |
| 936      | 4/15/2011 8:46  | 10.71  | 47.31  | 30.65        | 9.61    | 7.84 | 16.0       | 2.95            | 105.2  |
| 937      | 4/15/2011 9:01  | 10.66  | 47.49  | 30.77        | 9.62    | 7.84 | 12.4       | 3.03            | 105.2  |
| 938      | 4/15/2011 9:16  | 10.60  | 47.58  | 30.83        | 9.63    | 7.83 | 13.6       | 3.12            | 105.2  |
| 939      | 4/15/2011 9:31  | 10.53  | 47.92  | 31.07        | 9.64    | 7.83 | 14.1       | 3.19            | 105.4  |
| 940      | 4/15/2011 9:46  | 10.44  | 48.19  | 31.27        | 9.68    | 7.82 | 16.0       | 3.26            | 105.8  |
| 941      | 4/15/2011 10:01 | 10.40  | 48.04  | 31.15        | 9.72    | 7.83 | 30.5       | 1.80            | 106.0  |
|          | Mean            | 10.96  | 45.38  | 29.28        | 9.66    | 7.88 | 8.79       | 2.49            | 105.33 |
|          | Minimum         | 9.61   | 38.76  | 24.62        | 8.74    | 7.68 | 2.90       | 1.28            | 95.30  |
|          | Maximum         | 12.93  | 49.26  | 31.98        | 11.03   | 8.09 | 85.90      | 3.55            | 124.60 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |            |                 |       |
| 0        | 4/15/2011 10:30 | 10.34  | 47.04  | 30.43        | 9.55    | 7.87 | 9.5        | 3.39            | 103.5 |
| 1        | 4/15/2011 10:45 | 10.33  | 46.98  | 30.39        | 9.39    | 7.87 | 7.1        | 3.40            | 101.8 |
| 2        | 4/15/2011 11:00 | 10.37  | 47.14  | 30.51        | 9.25    | 7.87 | 10.0       | 3.37            | 100.4 |
| 3        | 4/15/2011 11:15 | 10.35  | 46.87  | 30.31        | 9.27    | 7.87 | 8.9        | 3.34            | 100.4 |
| 4        | 4/15/2011 11:30 | 10.95  | 45.56  | 29.40        | 9.24    | 7.90 | 8.5        | 3.29            | 100.9 |
| 5        | 4/15/2011 11:45 | 10.75  | 45.82  | 29.58        | 9.30    | 7.89 | 7.8        | 3.21            | 101.2 |
| 6        | 4/15/2011 12:00 | 10.94  | 45.35  | 29.25        | 9.24    | 7.89 | 7.3        | 3.10            | 100.7 |
| 7        | 4/15/2011 12:15 | 11.01  | 45.31  | 29.23        | 9.18    | 7.88 | 10.9       | 3.02            | 100.3 |
| 8        | 4/15/2011 12:30 | 11.04  | 45.27  | 29.20        | 9.19    | 7.88 | 9.5        | 2.90            | 100.3 |
| 9        | 4/15/2011 12:45 | 11.19  | 44.82  | 28.89        | 9.22    | 7.89 | 8.7        | 2.78            | 100.9 |
| 10       | 4/15/2011 13:00 | 11.23  | 44.86  | 28.91        | 9.27    | 7.89 | 7.1        | 2.70            | 101.4 |
| 11       | 4/15/2011 13:15 | 11.31  | 44.60  | 28.74        | 9.29    | 7.90 | 9.7        | 2.61            | 101.7 |
| 12       | 4/15/2011 13:30 | 11.35  | 44.35  | 28.56        | 9.34    | 7.90 | 10.5       | 2.49            | 102.3 |
| 13       | 4/15/2011 13:45 | 11.38  | 45.11  | 29.10        | 9.47    | 7.92 | 10.0       | 2.38            | 104.1 |
| 14       | 4/15/2011 14:00 | 11.51  | 44.16  | 28.43        | 9.56    | 7.93 | 8.4        | 2.28            | 104.9 |
| 15       | 4/15/2011 14:15 | 11.61  | 43.84  | 28.21        | 9.81    | 7.96 | 6.5        | 2.17            | 107.7 |
| 16       | 4/15/2011 14:30 | 11.64  | 44.05  | 28.36        | 9.76    | 7.96 | 6.3        | 2.04            | 107.4 |
| 17       | 4/15/2011 14:45 | 11.79  | 43.85  | 28.22        | 9.98    | 8.00 | 6.3        | 1.95            | 110.1 |
| 18       | 4/15/2011 15:00 | 11.89  | 43.38  | 27.89        | 9.96    | 8.01 | 6.3        | 1.84            | 109.8 |
| 19       | 4/15/2011 15:15 | 11.97  | 42.91  | 27.56        | 9.85    | 8.02 | 6.5        | 1.74            | 108.7 |
| 20       | 4/15/2011 15:30 | 11.97  | 42.96  | 27.60        | 9.78    | 8.02 | 6.0        | 1.65            | 107.8 |
| 21       | 4/15/2011 15:45 | 11.99  | 43.00  | 27.63        | 9.76    | 8.02 | 6.5        | 1.59            | 107.7 |
| 22       | 4/15/2011 16:00 | 12.00  | 42.77  | 27.46        | 9.73    | 8.02 | 5.1        | 1.53            | 107.3 |
| 23       | 4/15/2011 16:15 | 12.00  | 42.95  | 27.59        | 9.78    | 8.02 | 4.6        | 1.50            | 108.0 |
| 24       | 4/15/2011 16:30 | 11.96  | 42.84  | 27.51        | 9.75    | 8.01 | 5.3        | 1.50            | 107.4 |
| 25       | 4/15/2011 16:45 | 11.93  | 43.15  | 27.72        | 9.70    | 8.00 | 5.4        | 1.52            | 106.9 |
| 26       | 4/15/2011 17:00 | 11.89  | 43.32  | 27.85        | 9.71    | 7.99 | 7.3        | 1.56            | 107.1 |
| 27       | 4/15/2011 17:15 | 11.86  | 43.37  | 27.88        | 9.66    | 7.99 | 6.7        | 1.64            | 106.5 |
| 28       | 4/15/2011 17:30 | 11.88  | 42.77  | 27.46        | 9.67    | 7.98 | 6.9        | 1.71            | 106.4 |
| 29       | 4/15/2011 17:45 | 11.85  | 42.89  | 27.54        | 9.63    | 7.98 | 6.0        | 1.81            | 105.9 |
| 30       | 4/15/2011 18:00 | 11.81  | 43.19  | 27.75        | 9.58    | 7.97 | 6.3        | 1.90            | 105.4 |
| 31       | 4/15/2011 18:15 | 11.79  | 42.82  | 27.49        | 9.57    | 7.96 | 5.9        | 2.00            | 105.0 |
| 32       | 4/15/2011 18:30 | 11.74  | 42.80  | 27.47        | 9.50    | 7.95 | 6.5        | 2.09            | 104.2 |
| 33       | 4/15/2011 18:45 | 11.54  | 43.58  | 28.02        | 9.35    | 7.92 | 7.0        | 2.19            | 102.5 |
| 34       | 4/15/2011 19:00 | 11.49  | 43.73  | 28.12        | 9.31    | 7.91 | 7.0        | 2.29            | 102.0 |
| 35       | 4/15/2011 19:15 | 11.44  | 43.77  | 28.15        | 9.34    | 7.91 | 6.6        | 2.39            | 102.2 |
| 36       | 4/15/2011 19:30 | 11.39  | 43.92  | 28.25        | 9.35    | 7.91 | 7.1        | 2.49            | 102.3 |
| 37       | 4/15/2011 19:45 | 11.36  | 44.94  | 28.98        | 9.32    | 7.91 | 8.1        | 2.58            | 102.4 |
| 38       | 4/15/2011 20:00 | 11.29  | 44.05  | 28.34        | 9.32    | 7.90 | 9.2        | 2.68            | 101.7 |
| 39       | 4/15/2011 20:15 | 11.20  | 44.33  | 28.54        | 9.26    | 7.89 | 9.6        | 2.79            | 101.0 |
| 40       | 4/15/2011 20:30 | 11.04  | 44.91  | 28.94        | 9.25    | 7.88 | 22.4       | 2.88            | 100.9 |
| 41       | 4/15/2011 20:45 | 10.96  | 44.96  | 28.98        | 9.26    | 7.87 | 18.9       | 2.99            | 100.8 |
| 42       | 4/15/2011 21:00 | 10.85  | 45.51  | 29.36        | 9.24    | 7.86 | 14.5       | 3.09            | 100.6 |
| 43       | 4/15/2011 21:15 | 10.71  | 45.70  | 29.49        | 9.28    | 7.86 | 23.5       | 3.20            | 100.8 |
| 44       | 4/15/2011 21:30 | 10.58  | 46.48  | 30.04        | 9.32    | 7.86 | 23.4       | 3.30            | 101.3 |
| 45       | 4/15/2011 21:45 | 10.46  | 46.62  | 30.14        | 9.38    | 7.87 | 20.0       | 3.40            | 101.8 |
| 46       | 4/15/2011 22:00 | 10.41  | 46.96  | 30.37        | 9.40    | 7.87 | 13.9       | 3.50            | 102.0 |
| 47       | 4/15/2011 22:15 | 10.38  | 46.83  | 30.28        | 9.43    | 7.87 | 12.4       | 3.58            | 102.3 |
| 48       | 4/15/2011 22:30 | 10.36  | 46.79  | 30.25        | 9.45    | 7.87 | 8.3        | 3.64            | 102.3 |
| 49       | 4/15/2011 22:45 | 10.32  | 47.02  | 30.42        | 9.45    | 7.87 | 6.9        | 3.69            | 102.4 |
| 50       | 4/15/2011 23:00 | 10.30  | 47.53  | 30.78        | 9.44    | 7.87 | 6.0        | 3.73            | 102.5 |
| 51       | 4/15/2011 23:15 | 10.45  | 46.88  | 30.32        | 9.31    | 7.86 | 7.0        | 3.73            | 101.1 |
| 52       | 4/15/2011 23:30 | 10.38  | 46.91  | 30.34        | 9.34    | 7.87 | 7.8        | 3.71            | 101.3 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 53       | 4/15/2011 23:45 | 10.68  | 45.84  | 29.59        | 9.27    | 7.86 | 10.4              | 3.66            | 100.7 |
| 54       | 4/16/2011 0:00  | 10.71  | 45.78  | 29.55        | 9.27    | 7.86 | 7.1               | 3.60            | 100.7 |
| 55       | 4/16/2011 0:15  | 10.74  | 45.76  | 29.53        | 9.25    | 7.86 | 10.2              | 3.49            | 100.6 |
| 56       | 4/16/2011 0:30  | 10.85  | 45.27  | 29.19        | 9.23    | 7.87 | 9.2               | 3.40            | 100.3 |
| 57       | 4/16/2011 0:45  | 10.82  | 45.31  | 29.22        | 9.21    | 7.87 | 7.9               | 3.28            | 100.1 |
| 58       | 4/16/2011 1:00  | 10.81  | 45.60  | 29.42        | 9.18    | 7.86 | 14.2              | 3.15            | 99.9  |
| 59       | 4/16/2011 1:15  | 11.03  | 44.38  | 28.56        | 9.15    | 7.87 | 16.5              | 3.02            | 99.5  |
| 60       | 4/16/2011 1:30  | 11.12  | 44.17  | 28.42        | 9.13    | 7.87 | 16.5              | 2.90            | 99.3  |
| 61       | 4/16/2011 1:45  | 11.11  | 44.37  | 28.56        | 9.11    | 7.87 | 11.6              | 2.78            | 99.2  |
| 62       | 4/16/2011 2:00  | 11.20  | 44.53  | 28.68        | 9.08    | 7.88 | 10.2              | 2.65            | 99.2  |
| 63       | 4/16/2011 2:15  | 11.29  | 43.72  | 28.10        | 9.12    | 7.88 | 12.6              | 2.53            | 99.4  |
| 64       | 4/16/2011 2:30  | 11.33  | 44.41  | 28.60        | 9.06    | 7.88 | 10.4              | 2.39            | 99.2  |
| 65       | 4/16/2011 2:45  | 11.41  | 43.69  | 28.09        | 9.10    | 7.89 | 10.5              | 2.27            | 99.5  |
| 66       | 4/16/2011 3:00  | 11.52  | 43.29  | 27.81        | 9.08    | 7.90 | 9.5               | 2.12            | 99.3  |
| 67       | 4/16/2011 3:15  | 11.56  | 43.40  | 27.89        | 9.09    | 7.90 | 9.3               | 1.99            | 99.6  |
| 68       | 4/16/2011 3:30  | 11.64  | 43.24  | 27.78        | 9.05    | 7.91 | 9.5               | 1.85            | 99.2  |
| 69       | 4/16/2011 3:45  | 11.68  | 43.12  | 27.70        | 9.05    | 7.91 | 8.6               | 1.73            | 99.3  |
| 70       | 4/16/2011 4:00  | 11.75  | 43.02  | 27.63        | 9.07    | 7.92 | 8.7               | 1.61            | 99.6  |
| 71       | 4/16/2011 4:15  | 11.84  | 42.85  | 27.51        | 9.12    | 7.93 | 6.8               | 1.52            | 100.2 |
| 72       | 4/16/2011 4:30  | 11.92  | 42.59  | 27.33        | 9.12    | 7.94 | 6.0               | 1.44            | 100.3 |
| 73       | 4/16/2011 4:45  | 11.93  | 42.73  | 27.43        | 9.10    | 7.94 | 6.5               | 1.37            | 100.2 |
| 74       | 4/16/2011 5:00  | 11.96  | 42.70  | 27.41        | 9.10    | 7.94 | 6.1               | 1.34            | 100.2 |
| 75       | 4/16/2011 5:15  | 11.91  | 42.58  | 27.33        | 9.07    | 7.94 | 5.6               | 1.36            | 99.7  |
| 76       | 4/16/2011 5:30  | 11.87  | 43.10  | 27.69        | 9.07    | 7.93 | 5.2               | 1.38            | 99.8  |
| 77       | 4/16/2011 5:45  | 11.85  | 42.90  | 27.55        | 9.10    | 7.93 | 5.8               | 1.45            | 100.0 |
| 78       | 4/16/2011 6:00  | 11.81  | 42.44  | 27.22        | 9.09    | 7.92 | 6.2               | 1.52            | 99.7  |
| 79       | 4/16/2011 6:15  | 11.78  | 42.26  | 27.09        | 9.08    | 7.92 | 7.2               | 1.62            | 99.5  |
| 80       | 4/16/2011 6:30  | 11.73  | 41.55  | 26.59        | 9.09    | 7.91 | 10.6              | 1.71            | 99.1  |
| 81       | 4/16/2011 6:45  | 11.68  | 41.82  | 26.78        | 9.05    | 7.90 | 10.9              | 1.80            | 98.7  |
| 82       | 4/16/2011 7:00  | 11.68  | 41.73  | 26.71        | 9.04    | 7.90 | 9.8               | 1.90            | 98.5  |
| 83       | 4/16/2011 7:15  | 11.63  | 41.77  | 26.74        | 9.03    | 7.90 | 11.1              | 2.01            | 98.3  |
| 84       | 4/16/2011 7:30  | 11.48  | 42.04  | 26.92        | 9.05    | 7.88 | 10.8              | 2.11            | 98.3  |
| 85       | 4/16/2011 7:45  | 11.42  | 42.20  | 27.03        | 9.06    | 7.88 | 10.8              | 2.20            | 98.4  |
| 86       | 4/16/2011 8:00  | 11.38  | 42.87  | 27.51        | 9.05    | 7.88 | 11.5              | 2.30            | 98.5  |
| 87       | 4/16/2011 8:15  | 11.37  | 43.42  | 27.90        | 9.04    | 7.88 | 11.2              | 2.39            | 98.6  |
| 88       | 4/16/2011 8:30  | 11.33  | 43.47  | 27.93        | 9.06    | 7.88 | 11.7              | 2.48            | 98.7  |
| 89       | 4/16/2011 8:45  | 11.28  | 43.86  | 28.21        | 9.04    | 7.87 | 10.6              | 2.59            | 98.6  |
| 90       | 4/16/2011 9:00  | 11.24  | 43.80  | 28.17        | 9.04    | 7.87 | 12.1              | 2.68            | 98.5  |
| 91       | 4/16/2011 9:15  | 11.13  | 43.70  | 28.09        | 9.05    | 7.86 | 14.6              | 2.77            | 98.4  |
| 92       | 4/16/2011 9:30  | 11.07  | 44.01  | 28.31        | 9.08    | 7.86 | 19.0              | 2.87            | 98.7  |
| 93       | 4/16/2011 9:45  | 11.02  | 44.25  | 28.47        | 9.10    | 7.86 | 17.9              | 2.96            | 98.9  |
| 94       | 4/16/2011 10:00 | 10.96  | 44.40  | 28.58        | 9.12    | 7.86 | 20.8              | 3.06            | 99.1  |
| 95       | 4/16/2011 10:15 | 10.73  | 44.94  | 28.95        | 9.27    | 7.86 | 21.5              | 3.15            | 100.4 |
| 96       | 4/16/2011 10:30 | 10.63  | 45.51  | 29.35        | 9.30    | 7.86 | 22.3              | 3.23            | 100.8 |
| 97       | 4/16/2011 10:45 | 10.60  | 45.83  | 29.58        | 9.30    | 7.86 | 16.2              | 3.32            | 100.9 |
| 98       | 4/16/2011 11:00 | 10.57  | 45.81  | 29.56        | 9.32    | 7.87 | 10.3              | 3.38            | 101.0 |
| 99       | 4/16/2011 11:15 | 10.57  | 46.02  | 29.71        | 9.33    | 7.87 | 8.2               | 3.43            | 101.2 |
| 100      | 4/16/2011 11:30 | 10.61  | 46.28  | 29.90        | 9.33    | 7.87 | 7.3               | 3.46            | 101.3 |
| 101      | 4/16/2011 11:45 | 10.65  | 46.46  | 30.03        | 9.27    | 7.86 | 8.4               | 3.47            | 101.0 |
| 102      | 4/16/2011 12:00 | 10.57  | 46.10  | 29.77        | 9.24    | 7.86 | 7.7               | 3.46            | 100.3 |
| 103      | 4/16/2011 12:15 | 10.54  | 46.00  | 29.70        | 9.32    | 7.87 | 9.0               | 3.42            | 101.0 |
| 104      | 4/16/2011 12:30 | 11.71  | 44.26  | 28.51        | 9.51    | 7.89 | 15.9              | 3.37            | 105.0 |
| 105      | 4/16/2011 12:45 | 11.53  | 44.64  | 28.77        | 9.53    | 7.89 | 7.3               | 3.27            | 104.9 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |            |       |       |
| 106      | 4/16/2011 13:00 | 11.57  | 44.32  | 28.54        | 9.50    | 7.89 | 7.3        | 3.17  | 104.5 |
| 107      | 4/16/2011 13:15 | 11.61  | 44.06  | 28.36        | 9.49    | 7.89 | 7.9        | 3.06  | 104.4 |
| 108      | 4/16/2011 13:30 | 11.68  | 43.72  | 28.12        | 9.52    | 7.89 | 8.4        | 2.96  | 104.7 |
| 109      | 4/16/2011 13:45 | 11.85  | 43.61  | 28.06        | 9.53    | 7.90 | 6.9        | 2.84  | 105.2 |
| 110      | 4/16/2011 14:00 | 11.90  | 43.37  | 27.89        | 9.56    | 7.90 | 6.8        | 2.74  | 105.4 |
| 111      | 4/16/2011 14:15 | 12.13  | 42.74  | 27.45        | 9.53    | 7.90 | 8.6        | 2.62  | 105.4 |
| 112      | 4/16/2011 14:30 | 12.07  | 43.05  | 27.66        | 9.56    | 7.90 | 7.9        | 2.52  | 105.7 |
| 113      | 4/16/2011 14:45 | 12.04  | 42.37  | 27.18        | 9.57    | 7.91 | 10.7       | 2.40  | 105.4 |
| 114      | 4/16/2011 15:00 | 12.17  | 42.49  | 27.27        | 9.60    | 7.92 | 8.9        | 2.29  | 106.1 |
| 115      | 4/16/2011 15:15 | 12.28  | 42.39  | 27.20        | 9.80    | 7.94 | 6.4        | 2.18  | 108.6 |
| 116      | 4/16/2011 15:30 | 12.49  | 42.35  | 27.18        | 10.07   | 7.98 | 7.1        | 2.07  | 112.0 |
| 117      | 4/16/2011 15:45 | 12.71  | 42.00  | 26.94        | 10.08   | 7.98 | 6.5        | 1.96  | 112.4 |
| 118      | 4/16/2011 16:00 | 12.78  | 41.84  | 26.83        | 10.09   | 7.98 | 5.8        | 1.85  | 112.6 |
| 119      | 4/16/2011 16:15 | 12.87  | 41.81  | 26.81        | 10.11   | 7.99 | 6.8        | 1.77  | 113.1 |
| 120      | 4/16/2011 16:30 | 12.90  | 41.70  | 26.73        | 10.01   | 7.99 | 7.2        | 1.69  | 111.9 |
| 121      | 4/16/2011 16:45 | 12.93  | 41.55  | 26.62        | 9.98    | 7.99 | 7.8        | 1.64  | 111.7 |
| 122      | 4/16/2011 17:00 | 12.94  | 41.82  | 26.82        | 9.94    | 7.99 | 13.1       | 1.61  | 111.3 |
| 123      | 4/16/2011 17:15 | 12.85  | 41.94  | 26.90        | 9.90    | 7.98 | 7.9        | 1.60  | 110.8 |
| 124      | 4/16/2011 17:30 | 12.87  | 41.87  | 26.85        | 9.94    | 7.98 | 8.9        | 1.62  | 111.2 |
| 125      | 4/16/2011 17:45 | 12.80  | 41.78  | 26.78        | 9.93    | 7.97 | 8.4        | 1.66  | 110.9 |
| 126      | 4/16/2011 18:00 | 12.69  | 41.77  | 26.77        | 9.83    | 7.96 | 6.4        | 1.73  | 109.6 |
| 127      | 4/16/2011 18:15 | 12.62  | 40.44  | 25.83        | 9.81    | 7.95 | 9.2        | 1.81  | 108.5 |
| 128      | 4/16/2011 18:30 | 12.50  | 40.17  | 25.64        | 9.74    | 7.93 | 11.0       | 1.90  | 107.3 |
| 129      | 4/16/2011 18:45 | 12.44  | 40.31  | 25.74        | 9.68    | 7.92 | 10.3       | 2.00  | 106.6 |
| 130      | 4/16/2011 19:00 | 12.39  | 40.94  | 26.18        | 9.64    | 7.93 | 11.2       | 2.10  | 106.3 |
| 131      | 4/16/2011 19:15 | 12.12  | 40.61  | 25.93        | 9.52    | 7.89 | 11.4       | 2.21  | 104.3 |
| 132      | 4/16/2011 19:30 | 12.00  | 41.26  | 26.39        | 9.47    | 7.89 | 10.2       | 2.30  | 103.8 |
| 133      | 4/16/2011 19:45 | 11.80  | 42.68  | 27.39        | 9.36    | 7.88 | 10.7       | 2.40  | 102.8 |
| 134      | 4/16/2011 20:00 | 11.79  | 42.53  | 27.28        | 9.39    | 7.89 | 9.9        | 2.50  | 103.0 |
| 135      | 4/16/2011 20:15 | 11.77  | 42.27  | 27.10        | 9.42    | 7.89 | 11.5       | 2.60  | 103.2 |
| 136      | 4/16/2011 20:30 | 11.67  | 43.28  | 27.81        | 9.36    | 7.88 | 12.9       | 2.70  | 102.7 |
| 137      | 4/16/2011 20:45 | 11.57  | 43.24  | 27.78        | 9.35    | 7.88 | 18.3       | 2.81  | 102.4 |
| 138      | 4/16/2011 21:00 | 11.48  | 43.51  | 27.96        | 9.39    | 7.87 | 21.2       | 2.91  | 102.7 |
| 139      | 4/16/2011 21:15 | 11.41  | 43.70  | 28.10        | 9.42    | 7.88 | 19.3       | 3.03  | 103.0 |
| 140      | 4/16/2011 21:30 | 11.32  | 44.10  | 28.38        | 9.44    | 7.88 | 20.8       | 3.15  | 103.2 |
| 141      | 4/16/2011 21:45 | 11.08  | 44.60  | 28.72        | 9.55    | 7.88 | 29.0       | 3.26  | 104.1 |
| 142      | 4/16/2011 22:00 | 10.87  | 45.44  | 29.32        | 9.70    | 7.90 | 25.9       | 3.38  | 105.7 |
| 143      | 4/16/2011 22:15 | 10.82  | 45.66  | 29.47        | 9.73    | 7.90 | 27.4       | 3.50  | 105.9 |
| 144      | 4/16/2011 22:30 | 10.76  | 45.71  | 29.50        | 9.75    | 7.91 | 17.0       | 3.61  | 106.1 |
| 145      | 4/16/2011 22:45 | 10.66  | 45.82  | 29.58        | 9.76    | 7.91 | 15.1       | 3.70  | 105.9 |
| 146      | 4/16/2011 23:00 | 10.59  | 45.97  | 29.68        | 9.75    | 7.91 | 13.3       | 3.79  | 105.8 |
| 147      | 4/16/2011 23:15 | 10.53  | 45.79  | 29.55        | 9.76    | 7.91 | 8.9        | 3.85  | 105.7 |
| 148      | 4/16/2011 23:30 | 10.45  | 45.61  | 29.41        | 9.82    | 7.92 | 8.3        | 3.90  | 106.0 |
| 149      | 4/16/2011 23:45 | 10.51  | 45.79  | 29.54        | 9.75    | 7.92 | 7.8        | 3.91  | 105.5 |
| 150      | 4/17/2011 0:00  | 10.83  | 45.21  | 29.15        | 9.55    | 7.90 | 8.7        | 3.92  | 103.7 |
| 151      | 4/17/2011 0:15  | 10.71  | 46.06  | 29.75        | 9.58    | 7.90 | 8.4        | 3.88  | 104.2 |
| 152      | 4/17/2011 0:30  | 10.68  | 45.90  | 29.63        | 9.66    | 7.91 | 8.7        | 3.81  | 105.0 |
| 153      | 4/17/2011 0:45  | 10.85  | 45.68  | 29.49        | 9.59    | 7.90 | 10.4       | 3.72  | 104.5 |
| 154      | 4/17/2011 1:00  | 10.97  | 45.17  | 29.12        | 9.54    | 7.89 | 9.7        | 3.60  | 104.0 |
| 155      | 4/17/2011 1:15  | 11.11  | 44.73  | 28.82        | 9.45    | 7.89 | 9.3        | 3.49  | 103.2 |
| 156      | 4/17/2011 1:30  | 11.18  | 44.48  | 28.65        | 9.41    | 7.88 | 10.9       | 3.35  | 102.7 |
| 157      | 4/17/2011 1:45  | 11.41  | 43.48  | 27.94        | 9.35    | 7.87 | 12.2       | 3.21  | 102.1 |
| 158      | 4/17/2011 2:00  | 11.49  | 42.89  | 27.53        | 9.31    | 7.87 | 13.0       | 3.08  | 101.6 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |            |       |       |
| 159      | 4/17/2011 2:15  | 11.58  | 42.57  | 27.30        | 9.32    | 7.87 | 15.4       | 2.95  | 101.7 |
| 160      | 4/17/2011 2:30  | 11.72  | 42.28  | 27.10        | 9.27    | 7.87 | 16.8       | 2.80  | 101.4 |
| 161      | 4/17/2011 2:45  | 11.78  | 41.64  | 26.65        | 9.26    | 7.87 | 11.6       | 2.64  | 101.2 |
| 162      | 4/17/2011 3:00  | 11.75  | 41.74  | 26.72        | 9.26    | 7.87 | 10.9       | 2.51  | 101.1 |
| 163      | 4/17/2011 3:15  | 11.86  | 41.86  | 26.81        | 9.23    | 7.87 | 13.6       | 2.38  | 101.1 |
| 164      | 4/17/2011 3:30  | 11.93  | 41.66  | 26.67        | 9.21    | 7.87 | 9.9        | 2.22  | 100.9 |
| 165      | 4/17/2011 3:45  | 12.03  | 41.86  | 26.82        | 9.18    | 7.87 | 12.0       | 2.05  | 100.9 |
| 166      | 4/17/2011 4:00  | 12.18  | 41.44  | 26.52        | 9.20    | 7.88 | 13.1       | 1.91  | 101.3 |
| 167      | 4/17/2011 4:15  | 12.19  | 41.56  | 26.61        | 9.12    | 7.88 | 12.7       | 1.77  | 100.5 |
| 168      | 4/17/2011 4:30  | 12.33  | 41.44  | 26.53        | 9.14    | 7.89 | 12.9       | 1.60  | 100.9 |
| 169      | 4/17/2011 4:45  | 12.45  | 41.20  | 26.36        | 9.17    | 7.90 | 11.7       | 1.46  | 101.3 |
| 170      | 4/17/2011 5:00  | 12.59  | 41.20  | 26.37        | 9.16    | 7.90 | 10.5       | 1.35  | 101.6 |
| 171      | 4/17/2011 5:15  | 12.70  | 41.22  | 26.39        | 9.14    | 7.91 | 10.5       | 1.23  | 101.6 |
| 172      | 4/17/2011 5:30  | 12.75  | 40.93  | 26.18        | 9.13    | 7.91 | 11.2       | 1.14  | 101.4 |
| 173      | 4/17/2011 5:45  | 12.80  | 40.82  | 26.11        | 9.11    | 7.91 | 15.6       | 1.09  | 101.3 |
| 174      | 4/17/2011 6:00  | 12.75  | 40.68  | 26.01        | 9.10    | 7.90 | 14.6       | 1.10  | 101.0 |
| 175      | 4/17/2011 6:15  | 12.72  | 40.86  | 26.13        | 9.11    | 7.90 | 9.9        | 1.13  | 101.2 |
| 176      | 4/17/2011 6:30  | 12.67  | 40.82  | 26.11        | 9.12    | 7.90 | 9.2        | 1.21  | 101.1 |
| 177      | 4/17/2011 6:45  | 12.51  | 39.23  | 24.98        | 9.17    | 7.88 | 14.0       | 1.29  | 100.7 |
| 178      | 4/17/2011 7:00  | 12.47  | 39.56  | 25.21        | 9.13    | 7.88 | 11.3       | 1.39  | 100.3 |
| 179      | 4/17/2011 7:15  | 12.44  | 39.48  | 25.15        | 9.12    | 7.87 | 11.4       | 1.49  | 100.1 |
| 180      | 4/17/2011 7:30  | 12.38  | 39.12  | 24.90        | 9.07    | 7.86 | 17.5       | 1.58  | 99.3  |
| 181      | 4/17/2011 7:45  | 12.36  | 39.38  | 25.08        | 9.02    | 7.86 | 19.8       | 1.69  | 98.8  |
| 182      | 4/17/2011 8:00  | 12.36  | 39.61  | 25.24        | 8.97    | 7.86 | 27.3       | 1.80  | 98.3  |
| 183      | 4/17/2011 8:15  | 12.24  | 39.64  | 25.26        | 8.92    | 7.85 | 34.2       | 1.89  | 97.5  |
| 184      | 4/17/2011 8:30  | 12.14  | 39.79  | 25.36        | 8.99    | 7.85 | 28.0       | 1.99  | 98.1  |
| 185      | 4/17/2011 8:45  | 12.08  | 40.44  | 25.82        | 9.06    | 7.86 | 22.2       | 2.11  | 99.0  |
| 186      | 4/17/2011 9:00  | 12.05  | 41.67  | 26.68        | 9.06    | 7.87 | 26.2       | 2.21  | 99.5  |
| 187      | 4/17/2011 9:15  | 11.99  | 41.86  | 26.82        | 9.09    | 7.87 | 23.7       | 2.32  | 99.9  |
| 188      | 4/17/2011 9:30  | 11.94  | 41.90  | 26.84        | 9.12    | 7.87 | 21.0       | 2.41  | 100.1 |
| 189      | 4/17/2011 9:45  | 11.87  | 42.06  | 26.95        | 9.12    | 7.87 | 18.9       | 2.53  | 100.0 |
| 190      | 4/17/2011 10:00 | 11.77  | 42.24  | 27.07        | 9.14    | 7.87 | 24.0       | 2.63  | 100.0 |
| 191      | 4/17/2011 10:15 | 11.68  | 42.18  | 27.03        | 9.23    | 7.87 | 27.0       | 2.72  | 100.8 |
| 192      | 4/17/2011 10:30 | 11.61  | 42.67  | 27.38        | 9.24    | 7.87 | 24.5       | 2.83  | 101.0 |
| 193      | 4/17/2011 10:45 | 11.44  | 43.02  | 27.62        | 9.27    | 7.87 | 30.0       | 2.94  | 101.1 |
| 194      | 4/17/2011 11:00 | 11.22  | 43.97  | 28.28        | 9.33    | 7.88 | 30.8       | 3.03  | 101.7 |
| 195      | 4/17/2011 11:15 | 11.15  | 44.37  | 28.56        | 9.37    | 7.90 | 22.1       | 3.12  | 102.2 |
| 196      | 4/17/2011 11:30 | 11.05  | 44.27  | 28.49        | 9.42    | 7.89 | 23.1       | 3.22  | 102.4 |
| 197      | 4/17/2011 11:45 | 10.90  | 44.86  | 28.90        | 9.45    | 7.90 | 25.0       | 3.30  | 102.7 |
| 198      | 4/17/2011 12:00 | 10.87  | 44.87  | 28.90        | 9.50    | 7.91 | 18.2       | 3.37  | 103.2 |
| 199      | 4/17/2011 12:15 | 10.75  | 44.99  | 28.99        | 9.55    | 7.92 | 13.4       | 3.42  | 103.6 |
| 200      | 4/17/2011 12:30 | 10.73  | 45.05  | 29.03        | 9.55    | 7.92 | 10.7       | 3.46  | 103.5 |
| 201      | 4/17/2011 12:45 | 10.85  | 44.86  | 28.90        | 9.48    | 7.91 | 11.9       | 3.48  | 102.9 |
| 202      | 4/17/2011 13:00 | 10.72  | 45.26  | 29.17        | 9.47    | 7.91 | 10.6       | 3.45  | 102.7 |
| 203      | 4/17/2011 13:15 | 10.72  | 45.07  | 29.04        | 9.47    | 7.91 | 12.9       | 3.41  | 102.6 |
| 204      | 4/17/2011 13:30 | 11.14  | 44.23  | 28.47        | 9.47    | 7.90 | 11.4       | 3.34  | 103.2 |
| 205      | 4/17/2011 13:45 | 11.40  | 43.77  | 28.15        | 9.43    | 7.89 | 13.7       | 3.23  | 103.1 |
| 206      | 4/17/2011 14:00 | 11.53  | 43.36  | 27.86        | 9.40    | 7.89 | 11.4       | 3.12  | 102.8 |
| 207      | 4/17/2011 14:15 | 11.60  | 43.19  | 27.74        | 9.37    | 7.89 | 10.4       | 3.02  | 102.6 |
| 208      | 4/17/2011 14:30 | 11.61  | 43.25  | 27.78        | 9.36    | 7.88 | 13.4       | 2.89  | 102.6 |
| 209      | 4/17/2011 14:45 | 11.69  | 42.87  | 27.52        | 9.36    | 7.88 | 10.6       | 2.78  | 102.6 |
| 210      | 4/17/2011 15:00 | 11.83  | 42.83  | 27.50        | 9.39    | 7.88 | 8.4        | 2.67  | 103.2 |
| 211      | 4/17/2011 15:15 | 11.95  | 42.58  | 27.32        | 9.43    | 7.89 | 10.7       | 2.55  | 103.7 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 212      | 4/17/2011 15:30 | 12.15  | 41.93  | 26.87        | 9.47    | 7.89 | 10.2              | 2.43            | 104.3 |
| 213      | 4/17/2011 15:45 | 12.27  | 41.99  | 26.91        | 9.51    | 7.92 | 7.6               | 2.34            | 105.1 |
| 214      | 4/17/2011 16:00 | 12.50  | 40.72  | 26.02        | 9.45    | 7.89 | 9.2               | 2.22            | 104.4 |
| 215      | 4/17/2011 16:15 | 12.63  | 41.32  | 26.45        | 9.69    | 7.94 | 7.1               | 2.12            | 107.6 |
| 216      | 4/17/2011 16:30 | 12.74  | 40.82  | 26.10        | 9.83    | 7.93 | 7.4               | 2.02            | 109.2 |
| 217      | 4/17/2011 16:45 | 12.85  | 40.78  | 26.08        | 9.79    | 7.93 | 7.1               | 1.92            | 109.0 |
| 218      | 4/17/2011 17:00 | 12.93  | 40.79  | 26.09        | 9.94    | 7.95 | 7.1               | 1.84            | 110.8 |
| 219      | 4/17/2011 17:15 | 12.99  | 40.67  | 26.00        | 9.94    | 7.96 | 6.5               | 1.77            | 110.9 |
| 220      | 4/17/2011 17:30 | 13.06  | 40.50  | 25.89        | 9.94    | 7.96 | 6.8               | 1.71            | 111.0 |
| 221      | 4/17/2011 17:45 | 13.07  | 40.41  | 25.82        | 9.91    | 7.96 | 6.0               | 1.68            | 110.7 |
| 222      | 4/17/2011 18:00 | 13.06  | 40.31  | 25.75        | 9.89    | 7.96 | 6.1               | 1.68            | 110.4 |
| 223      | 4/17/2011 18:15 | 13.00  | 40.60  | 25.96        | 9.89    | 7.95 | 5.9               | 1.69            | 110.3 |
| 224      | 4/17/2011 18:30 | 12.98  | 40.58  | 25.94        | 9.86    | 7.95 | 6.1               | 1.73            | 109.9 |
| 225      | 4/17/2011 18:45 | 12.95  | 40.46  | 25.85        | 9.78    | 7.94 | 6.0               | 1.80            | 108.9 |
| 226      | 4/17/2011 19:00 | 12.83  | 39.25  | 25.00        | 9.67    | 7.91 | 7.4               | 1.88            | 106.8 |
| 227      | 4/17/2011 19:15 | 12.73  | 39.01  | 24.83        | 9.56    | 7.89 | 8.5               | 1.97            | 105.3 |
| 228      | 4/17/2011 19:30 | 12.66  | 39.49  | 25.16        | 9.47    | 7.89 | 8.4               | 2.08            | 104.4 |
| 229      | 4/17/2011 19:45 | 12.53  | 39.43  | 25.12        | 9.40    | 7.87 | 10.5              | 2.18            | 103.3 |
| 230      | 4/17/2011 20:00 | 12.38  | 39.88  | 25.43        | 9.34    | 7.87 | 9.8               | 2.28            | 102.5 |
| 231      | 4/17/2011 20:15 | 12.18  | 40.87  | 26.12        | 9.29    | 7.88 | 12.1              | 2.39            | 101.9 |
| 232      | 4/17/2011 20:30 | 12.05  | 41.89  | 26.84        | 9.28    | 7.89 | 11.8              | 2.49            | 102.1 |
| 233      | 4/17/2011 20:45 | 12.04  | 41.98  | 26.90        | 9.33    | 7.88 | 10.3              | 2.60            | 102.6 |
| 234      | 4/17/2011 21:00 | 11.95  | 42.44  | 27.23        | 9.32    | 7.89 | 12.9              | 2.70            | 102.5 |
| 235      | 4/17/2011 21:15 | 11.81  | 42.42  | 27.21        | 9.31    | 7.89 | 17.1              | 2.81            | 102.1 |
| 236      | 4/17/2011 21:30 | 11.59  | 42.78  | 27.45        | 9.36    | 7.90 | 24.7              | 2.92            | 102.3 |
| 237      | 4/17/2011 21:45 | 11.49  | 43.13  | 27.70        | 9.38    | 7.90 | 23.4              | 3.03            | 102.4 |
| 238      | 4/17/2011 22:00 | 11.34  | 43.88  | 28.23        | 9.40    | 7.91 | 17.0              | 3.16            | 102.7 |
| 239      | 4/17/2011 22:15 | 11.15  | 43.97  | 28.28        | 9.48    | 7.92 | 20.1              | 3.28            | 103.2 |
| 240      | 4/17/2011 22:30 | 10.96  | 44.55  | 28.68        | 9.57    | 7.93 | 20.7              | 3.40            | 104.0 |
| 241      | 4/17/2011 22:45 | 10.82  | 44.85  | 28.89        | 9.63    | 7.94 | 18.1              | 3.52            | 104.5 |
| 242      | 4/17/2011 23:00 | 10.65  | 45.79  | 29.56        | 9.50    | 7.93 | 17.7              | 3.62            | 103.1 |
| 243      | 4/17/2011 23:15 | 10.49  | 45.77  | 29.53        | 9.36    | 7.92 | 17.5              | 3.73            | 101.2 |
| 244      | 4/17/2011 23:30 | 10.35  | 46.20  | 29.83        | 9.17    | 7.92 | 14.6              | 3.82            | 99.1  |
| 245      | 4/17/2011 23:45 | 10.20  | 46.61  | 30.11        | 8.99    | 7.90 | 12.5              | 3.90            | 97.0  |
| 246      | 4/18/2011 0:00  | 10.12  | 46.78  | 30.23        | 8.89    | 7.90 | 10.3              | 3.96            | 95.8  |
| 247      | 4/18/2011 0:15  | 10.09  | 47.59  | 30.81        | 8.83    | 7.90 | 7.3               | 4.00            | 95.4  |
| 248      | 4/18/2011 0:30  | 10.05  | 47.05  | 30.42        | 8.81    | 7.90 | 6.5               | 4.02            | 94.9  |
| 249      | 4/18/2011 0:45  | 10.15  | 46.84  | 30.28        | 8.77    | 7.90 | 8.3               | 3.99            | 94.6  |
| 250      | 4/18/2011 1:00  | 10.18  | 46.63  | 30.13        | 8.80    | 7.90 | 7.7               | 3.95            | 94.9  |
| 251      | 4/18/2011 1:15  | 10.31  | 46.31  | 29.90        | 8.97    | 7.91 | 9.6               | 3.87            | 96.8  |
| 252      | 4/18/2011 1:30  | 10.62  | 45.62  | 29.43        | 9.24    | 7.91 | 8.9               | 3.76            | 100.2 |
| 253      | 4/18/2011 1:45  | 10.86  | 45.14  | 29.10        | 9.26    | 7.90 | 8.8               | 3.64            | 100.7 |
| 254      | 4/18/2011 2:00  | 10.95  | 44.45  | 28.61        | 9.30    | 7.91 | 11.7              | 3.50            | 101.0 |
| 255      | 4/18/2011 2:15  | 11.01  | 44.08  | 28.35        | 9.31    | 7.91 | 9.3               | 3.39            | 101.0 |
| 256      | 4/18/2011 2:30  | 11.12  | 43.64  | 28.04        | 9.31    | 7.91 | 9.8               | 3.24            | 101.1 |
| 257      | 4/18/2011 2:45  | 11.57  | 41.97  | 26.87        | 9.22    | 7.88 | 17.1              | 3.07            | 100.3 |
| 258      | 4/18/2011 3:00  | 11.83  | 41.69  | 26.69        | 9.17    | 7.88 | 16.7              | 2.92            | 100.2 |
| 259      | 4/18/2011 3:15  | 11.86  | 41.26  | 26.38        | 9.17    | 7.88 | 14.5              | 2.78            | 100.1 |
| 260      | 4/18/2011 3:30  | 11.91  | 41.34  | 26.44        | 9.17    | 7.88 | 13.3              | 2.62            | 100.3 |
| 261      | 4/18/2011 3:45  | 12.02  | 41.09  | 26.27        | 9.17    | 7.88 | 13.1              | 2.47            | 100.4 |
| 262      | 4/18/2011 4:00  | 11.98  | 41.04  | 26.23        | 9.14    | 7.88 | 12.3              | 2.32            | 100.0 |
| 263      | 4/18/2011 4:15  | 12.12  | 40.01  | 25.51        | 9.18    | 7.88 | 17.5              | 2.13            | 100.2 |
| 264      | 4/18/2011 4:30  | 12.02  | 39.85  | 25.40        | 9.15    | 7.88 | 19.3              | 1.97            | 99.7  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |            |       |       |
| 265      | 4/18/2011 4:45  | 11.95  | 39.82  | 25.37        | 9.17    | 7.88 | 15.4       | 1.81  | 99.6  |
| 266      | 4/18/2011 5:00  | 12.14  | 39.11  | 24.88        | 9.19    | 7.88 | 17.0       | 1.66  | 100.0 |
| 267      | 4/18/2011 5:15  | 12.19  | 39.25  | 24.98        | 9.15    | 7.89 | 16.8       | 1.47  | 99.7  |
| 268      | 4/18/2011 5:30  | 12.23  | 39.13  | 24.90        | 9.17    | 7.89 | 15.2       | 1.31  | 99.9  |
| 269      | 4/18/2011 5:45  | 12.34  | 39.03  | 24.83        | 9.14    | 7.89 | 13.4       | 1.16  | 99.8  |
| 270      | 4/18/2011 6:00  | 12.59  | 38.53  | 24.49        | 9.10    | 7.88 | 12.8       | 1.03  | 99.7  |
| 271      | 4/18/2011 6:15  | 12.66  | 38.14  | 24.22        | 9.09    | 7.88 | 12.7       | 0.92  | 99.6  |
| 272      | 4/18/2011 6:30  | 12.68  | 38.41  | 24.40        | 9.04    | 7.87 | 14.9       | 0.84  | 99.2  |
| 273      | 4/18/2011 6:45  | 12.61  | 38.22  | 24.27        | 9.05    | 7.88 | 13.3       | 0.86  | 99.1  |
| 274      | 4/18/2011 7:00  | 12.57  | 38.55  | 24.50        | 9.03    | 7.87 | 13.5       | 0.91  | 98.9  |
| 275      | 4/18/2011 7:15  | 12.55  | 38.51  | 24.48        | 9.04    | 7.88 | 12.4       | 1.01  | 98.9  |
| 276      | 4/18/2011 7:30  | 12.56  | 38.21  | 24.26        | 9.08    | 7.88 | 12.9       | 1.12  | 99.3  |
| 277      | 4/18/2011 7:45  | 12.50  | 37.98  | 24.10        | 9.07    | 7.88 | 12.8       | 1.21  | 99.0  |
| 278      | 4/18/2011 8:00  | 12.46  | 37.71  | 23.91        | 9.07    | 7.87 | 12.0       | 1.31  | 98.7  |
| 279      | 4/18/2011 8:15  | 12.36  | 37.47  | 23.74        | 9.08    | 7.86 | 13.4       | 1.40  | 98.6  |
| 280      | 4/18/2011 8:30  | 12.33  | 37.51  | 23.77        | 9.08    | 7.86 | 12.1       | 1.49  | 98.5  |
| 281      | 4/18/2011 8:45  | 12.32  | 37.85  | 24.01        | 9.03    | 7.86 | 12.2       | 1.59  | 98.1  |
| 282      | 4/18/2011 9:00  | 12.03  | 39.66  | 25.27        | 8.85    | 7.87 | 41.4       | 1.69  | 96.3  |
| 283      | 4/18/2011 9:15  | 12.00  | 39.77  | 25.34        | 8.89    | 7.87 | 31.6       | 1.80  | 96.8  |
| 284      | 4/18/2011 9:30  | 11.97  | 39.85  | 25.40        | 8.98    | 7.87 | 23.1       | 1.92  | 97.7  |
| 285      | 4/18/2011 9:45  | 11.95  | 40.21  | 25.65        | 8.99    | 7.87 | 27.5       | 2.03  | 97.9  |
| 286      | 4/18/2011 10:00 | 11.87  | 40.88  | 26.12        | 8.99    | 7.87 | 27.4       | 2.15  | 98.1  |
| 287      | 4/18/2011 10:15 | 11.88  | 40.88  | 26.12        | 9.01    | 7.88 | 28.4       | 2.27  | 98.3  |
| 288      | 4/18/2011 10:30 | 11.84  | 40.91  | 26.14        | 9.02    | 7.88 | 25.9       | 2.39  | 98.3  |
| 289      | 4/18/2011 10:45 | 11.79  | 41.08  | 26.26        | 9.04    | 7.88 | 27.1       | 2.50  | 98.4  |
| 290      | 4/18/2011 11:00 | 11.67  | 41.17  | 26.32        | 9.05    | 7.88 | 33.6       | 2.61  | 98.4  |
| 291      | 4/18/2011 11:15 | 11.62  | 41.34  | 26.43        | 9.10    | 7.88 | 37.5       | 2.72  | 98.9  |
| 292      | 4/18/2011 11:30 | 11.58  | 41.67  | 26.66        | 9.10    | 7.88 | 38.5       | 2.82  | 99.0  |
| 293      | 4/18/2011 11:45 | 11.20  | 42.96  | 27.57        | 9.15    | 7.89 | 32.8       | 2.92  | 99.2  |
| 294      | 4/18/2011 12:00 | 11.13  | 43.39  | 27.86        | 9.13    | 7.89 | 28.4       | 3.01  | 99.1  |
| 295      | 4/18/2011 12:15 | 11.11  | 43.61  | 28.02        | 9.13    | 7.90 | 23.9       | 3.11  | 99.1  |
| 296      | 4/18/2011 12:30 | 10.95  | 44.07  | 28.34        | 9.07    | 7.90 | 19.3       | 3.19  | 98.3  |
| 297      | 4/18/2011 12:45 | 10.70  | 44.86  | 28.89        | 8.89    | 7.89 | 17.9       | 3.26  | 96.2  |
| 298      | 4/18/2011 13:00 | 10.62  | 45.49  | 29.33        | 8.78    | 7.89 | 14.8       | 3.34  | 95.1  |
| 299      | 4/18/2011 13:15 | 10.56  | 45.55  | 29.38        | 8.72    | 7.89 | 9.9        | 3.37  | 94.4  |
| 300      | 4/18/2011 13:30 | 10.53  | 45.73  | 29.50        | 8.69    | 7.89 | 8.5        | 3.40  | 94.0  |
| 301      | 4/18/2011 13:45 | 10.58  | 45.59  | 29.41        | 8.70    | 7.89 | 9.6        | 3.41  | 94.2  |
| 302      | 4/18/2011 14:00 | 10.71  | 45.27  | 29.18        | 8.75    | 7.89 | 7.7        | 3.38  | 94.9  |
| 303      | 4/18/2011 14:15 | 10.69  | 45.43  | 29.30        | 8.69    | 7.89 | 9.0        | 3.34  | 94.3  |
| 304      | 4/18/2011 14:30 | 11.83  | 43.34  | 27.86        | 9.35    | 7.92 | 13.5       | 3.26  | 103.0 |
| 305      | 4/18/2011 14:45 | 12.06  | 43.03  | 27.65        | 9.38    | 7.91 | 12.6       | 3.17  | 103.7 |
| 306      | 4/18/2011 15:00 | 12.27  | 42.57  | 27.33        | 9.38    | 7.90 | 9.3        | 3.07  | 104.0 |
| 307      | 4/18/2011 15:15 | 12.19  | 42.40  | 27.20        | 9.45    | 7.91 | 11.7       | 2.95  | 104.5 |
| 308      | 4/18/2011 15:30 | 12.40  | 42.07  | 26.98        | 9.48    | 7.91 | 9.4        | 2.85  | 105.1 |
| 309      | 4/18/2011 15:45 | 12.52  | 41.81  | 26.80        | 9.53    | 7.91 | 8.6        | 2.74  | 105.9 |
| 310      | 4/18/2011 16:00 | 12.72  | 41.35  | 26.48        | 9.59    | 7.91 | 9.3        | 2.63  | 106.7 |
| 311      | 4/18/2011 16:15 | 12.83  | 41.41  | 26.52        | 9.77    | 7.93 | 8.5        | 2.53  | 109.0 |
| 312      | 4/18/2011 16:30 | 13.12  | 39.93  | 25.49        | 9.60    | 7.91 | 10.6       | 2.44  | 107.0 |
| 313      | 4/18/2011 16:45 | 13.31  | 39.15  | 24.94        | 9.68    | 7.91 | 9.0        | 2.33  | 108.1 |
| 314      | 4/18/2011 17:00 | 13.61  | 40.26  | 25.73        | 10.01   | 8.02 | 8.4        | 2.24  | 113.0 |
| 315      | 4/18/2011 17:15 | 13.58  | 38.85  | 24.73        | 9.92    | 7.94 | 9.7        | 2.13  | 111.2 |
| 316      | 4/18/2011 17:30 | 13.72  | 38.79  | 24.70        | 9.96    | 7.95 | 9.3        | 2.04  | 111.9 |
| 317      | 4/18/2011 17:45 | 13.89  | 38.96  | 24.82        | 10.18   | 7.98 | 9.2        | 1.96  | 114.9 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |            |       |       |
| 318      | 4/18/2011 18:00 | 13.95  | 38.94  | 24.81        | 10.18   | 7.99 | 8.9        | 1.88  | 115.0 |
| 319      | 4/18/2011 18:15 | 13.91  | 38.90  | 24.78        | 10.12   | 7.98 | 9.2        | 1.84  | 114.3 |
| 320      | 4/18/2011 18:30 | 13.80  | 38.91  | 24.79        | 10.03   | 7.97 | 8.9        | 1.80  | 112.9 |
| 321      | 4/18/2011 18:45 | 13.52  | 39.08  | 24.90        | 9.83    | 7.94 | 8.4        | 1.81  | 110.2 |
| 322      | 4/18/2011 19:00 | 13.41  | 39.04  | 24.87        | 9.76    | 7.92 | 8.2        | 1.81  | 109.1 |
| 323      | 4/18/2011 19:15 | 13.54  | 39.02  | 24.86        | 9.84    | 7.94 | 9.0        | 1.85  | 110.3 |
| 324      | 4/18/2011 19:30 | 13.75  | 38.88  | 24.77        | 9.95    | 7.95 | 9.3        | 1.93  | 111.9 |
| 325      | 4/18/2011 19:45 | 13.53  | 38.51  | 24.50        | 9.78    | 7.93 | 11.5       | 1.99  | 109.3 |
| 326      | 4/18/2011 20:00 | 13.52  | 38.19  | 24.27        | 9.73    | 7.92 | 10.3       | 2.09  | 108.6 |
| 327      | 4/18/2011 20:15 | 13.37  | 38.78  | 24.68        | 9.63    | 7.91 | 10.4       | 2.19  | 107.4 |
| 328      | 4/18/2011 20:30 | 13.15  | 38.85  | 24.73        | 9.54    | 7.91 | 11.7       | 2.30  | 105.9 |
| 329      | 4/18/2011 20:45 | 12.82  | 39.76  | 25.36        | 9.42    | 7.90 | 14.5       | 2.40  | 104.3 |
| 330      | 4/18/2011 21:00 | 12.58  | 40.25  | 25.70        | 9.36    | 7.90 | 13.9       | 2.49  | 103.3 |
| 331      | 4/18/2011 21:15 | 12.47  | 40.56  | 25.92        | 9.35    | 7.90 | 13.9       | 2.59  | 103.1 |
| 332      | 4/18/2011 21:30 | 12.41  | 40.90  | 26.15        | 9.32    | 7.90 | 14.9       | 2.69  | 102.9 |
| 333      | 4/18/2011 21:45 | 12.14  | 41.08  | 26.27        | 9.23    | 7.89 | 15.6       | 2.80  | 101.3 |
| 334      | 4/18/2011 22:00 | 11.94  | 42.09  | 26.98        | 9.12    | 7.89 | 19.5       | 2.90  | 100.2 |
| 335      | 4/18/2011 22:15 | 11.79  | 42.97  | 27.60        | 9.05    | 7.89 | 15.5       | 3.00  | 99.5  |
| 336      | 4/18/2011 22:30 | 11.74  | 42.85  | 27.51        | 9.05    | 7.89 | 19.8       | 3.12  | 99.3  |
| 337      | 4/18/2011 22:45 | 11.60  | 43.19  | 27.75        | 9.06    | 7.89 | 23.0       | 3.23  | 99.3  |
| 338      | 4/18/2011 23:00 | 11.39  | 43.76  | 28.14        | 9.11    | 7.90 | 20.6       | 3.35  | 99.6  |
| 339      | 4/18/2011 23:15 | 11.24  | 44.62  | 28.74        | 9.18    | 7.91 | 21.3       | 3.47  | 100.4 |
| 340      | 4/18/2011 23:30 | 11.14  | 44.75  | 28.84        | 9.29    | 7.93 | 16.7       | 3.59  | 101.5 |
| 341      | 4/18/2011 23:45 | 11.08  | 44.90  | 28.94        | 9.30    | 7.93 | 13.9       | 3.68  | 101.5 |
| 342      | 4/19/2011 0:00  | 11.01  | 45.23  | 29.17        | 9.31    | 7.93 | 11.6       | 3.78  | 101.6 |
| 343      | 4/19/2011 0:15  | 10.84  | 45.71  | 29.51        | 9.21    | 7.93 | 11.5       | 3.88  | 100.3 |
| 344      | 4/19/2011 0:30  | 10.56  | 46.42  | 30.00        | 8.97    | 7.92 | 9.6        | 3.94  | 97.5  |
| 345      | 4/19/2011 0:45  | 10.36  | 46.71  | 30.20        | 8.80    | 7.91 | 7.0        | 3.98  | 95.4  |
| 346      | 4/19/2011 1:00  | 10.29  | 46.76  | 30.22        | 8.71    | 7.90 | 6.8        | 4.02  | 94.2  |
| 347      | 4/19/2011 1:15  | 10.41  | 47.08  | 30.46        | 8.71    | 7.90 | 5.6        | 4.03  | 94.6  |
| 348      | 4/19/2011 1:30  | 10.31  | 46.80  | 30.26        | 8.60    | 7.90 | 7.7        | 4.00  | 93.1  |
| 349      | 4/19/2011 1:45  | 10.85  | 45.17  | 29.12        | 9.01    | 7.92 | 9.2        | 3.95  | 98.0  |
| 350      | 4/19/2011 2:00  | 10.92  | 44.00  | 28.29        | 9.17    | 7.92 | 7.5        | 3.87  | 99.3  |
| 351      | 4/19/2011 2:15  | 10.99  | 42.46  | 27.20        | 9.14    | 7.91 | 8.6        | 3.77  | 98.5  |
| 352      | 4/19/2011 2:30  | 11.07  | 42.25  | 27.06        | 9.10    | 7.91 | 11.1       | 3.63  | 98.1  |
| 353      | 4/19/2011 2:45  | 11.19  | 42.75  | 27.41        | 9.11    | 7.91 | 13.4       | 3.50  | 98.7  |
| 354      | 4/19/2011 3:00  | 11.28  | 42.39  | 27.16        | 9.12    | 7.90 | 9.3        | 3.37  | 98.8  |
| 355      | 4/19/2011 3:15  | 11.35  | 42.09  | 26.96        | 9.14    | 7.90 | 10.3       | 3.22  | 99.1  |
| 356      | 4/19/2011 3:30  | 11.59  | 42.46  | 27.22        | 9.11    | 7.90 | 19.8       | 3.08  | 99.4  |
| 357      | 4/19/2011 3:45  | 11.76  | 41.87  | 26.81        | 9.10    | 7.90 | 18.6       | 2.92  | 99.5  |
| 358      | 4/19/2011 4:00  | 11.87  | 41.03  | 26.22        | 9.10    | 7.89 | 16.8       | 2.78  | 99.3  |
| 359      | 4/19/2011 4:15  | 11.84  | 41.12  | 26.29        | 9.10    | 7.89 | 12.2       | 2.61  | 99.3  |
| 360      | 4/19/2011 4:30  | 11.90  | 40.87  | 26.11        | 9.09    | 7.89 | 13.3       | 2.45  | 99.1  |
| 361      | 4/19/2011 4:45  | 11.95  | 40.94  | 26.16        | 9.06    | 7.89 | 12.5       | 2.30  | 99.0  |
| 362      | 4/19/2011 5:00  | 12.17  | 40.30  | 25.72        | 9.00    | 7.89 | 13.4       | 2.11  | 98.5  |
| 363      | 4/19/2011 5:15  | 12.41  | 39.95  | 25.48        | 9.03    | 7.89 | 17.7       | 1.93  | 99.2  |
| 364      | 4/19/2011 5:30  | 12.38  | 39.94  | 25.47        | 9.02    | 7.89 | 17.2       | 1.77  | 99.0  |
| 365      | 4/19/2011 5:45  | 12.32  | 40.23  | 25.67        | 8.99    | 7.89 | 15.8       | 1.59  | 98.8  |
| 366      | 4/19/2011 6:00  | 12.58  | 39.56  | 25.21        | 9.02    | 7.89 | 15.7       | 1.41  | 99.3  |
| 367      | 4/19/2011 6:15  | 12.69  | 39.12  | 24.90        | 9.04    | 7.89 | 16.7       | 1.25  | 99.5  |
| 368      | 4/19/2011 6:30  | 12.78  | 38.92  | 24.77        | 9.06    | 7.90 | 14.6       | 1.08  | 99.9  |
| 369      | 4/19/2011 6:45  | 12.78  | 38.80  | 24.68        | 9.05    | 7.89 | 18.9       | 0.94  | 99.7  |
| 370      | 4/19/2011 7:00  | 12.80  | 38.70  | 24.62        | 9.03    | 7.89 | 20.3       | 0.82  | 99.5  |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |            |       |       |
| 371      | 4/19/2011 7:15  | 12.70  | 38.81  | 24.69        | 8.99    | 7.89 | 23.1       | 0.75  | 98.9  |
| 372      | 4/19/2011 7:30  | 12.72  | 38.78  | 24.67        | 9.00    | 7.89 | 17.1       | 0.76  | 99.0  |
| 373      | 4/19/2011 7:45  | 12.70  | 39.01  | 24.83        | 8.95    | 7.88 | 18.9       | 0.83  | 98.6  |
| 374      | 4/19/2011 8:00  | 12.68  | 39.22  | 24.98        | 8.95    | 7.88 | 18.4       | 0.94  | 98.5  |
| 375      | 4/19/2011 8:15  | 12.52  | 37.96  | 24.09        | 9.02    | 7.87 | 17.4       | 1.05  | 98.5  |
| 376      | 4/19/2011 8:30  | 12.58  | 38.69  | 24.60        | 8.98    | 7.88 | 14.5       | 1.14  | 98.5  |
| 377      | 4/19/2011 8:45  | 12.51  | 38.11  | 24.19        | 8.99    | 7.87 | 12.5       | 1.22  | 98.2  |
| 378      | 4/19/2011 9:00  | 12.52  | 38.37  | 24.38        | 8.96    | 7.87 | 12.6       | 1.31  | 98.0  |
| 379      | 4/19/2011 9:15  | 12.50  | 38.61  | 24.54        | 8.95    | 7.87 | 11.8       | 1.38  | 97.9  |
| 380      | 4/19/2011 9:30  | 12.50  | 38.68  | 24.59        | 8.93    | 7.87 | 10.6       | 1.47  | 97.8  |
| 381      | 4/19/2011 9:45  | 12.49  | 38.64  | 24.56        | 8.91    | 7.86 | 10.2       | 1.57  | 97.4  |
| 382      | 4/19/2011 10:00 | 12.43  | 38.64  | 24.56        | 8.93    | 7.86 | 11.0       | 1.67  | 97.5  |
| 383      | 4/19/2011 10:15 | 12.27  | 39.00  | 24.81        | 8.95    | 7.87 | 11.8       | 1.78  | 97.6  |
| 384      | 4/19/2011 10:30 | 12.22  | 38.58  | 24.52        | 9.01    | 7.87 | 12.2       | 1.91  | 97.9  |
| 385      | 4/19/2011 10:45 | 12.19  | 39.93  | 25.46        | 8.96    | 7.88 | 12.9       | 2.02  | 98.0  |
| 386      | 4/19/2011 11:00 | 12.22  | 40.14  | 25.61        | 8.98    | 7.88 | 15.1       | 2.15  | 98.3  |
| 387      | 4/19/2011 11:15 | 12.18  | 40.06  | 25.55        | 8.99    | 7.88 | 17.8       | 2.28  | 98.4  |
| 388      | 4/19/2011 11:30 | 12.10  | 40.55  | 25.89        | 8.98    | 7.88 | 19.2       | 2.39  | 98.3  |
| 389      | 4/19/2011 11:45 | 12.05  | 40.98  | 26.20        | 9.00    | 7.88 | 18.7       | 2.51  | 98.5  |
| 390      | 4/19/2011 12:00 | 12.00  | 41.04  | 26.23        | 9.02    | 7.88 | 26.2       | 2.63  | 98.7  |
| 391      | 4/19/2011 12:15 | 11.92  | 41.15  | 26.31        | 9.05    | 7.88 | 24.5       | 2.72  | 98.9  |
| 392      | 4/19/2011 12:30 | 11.57  | 42.21  | 27.05        | 8.98    | 7.88 | 30.0       | 2.83  | 97.9  |
| 393      | 4/19/2011 12:45 | 11.41  | 43.07  | 27.65        | 8.98    | 7.89 | 25.3       | 2.92  | 97.8  |
| 394      | 4/19/2011 13:00 | 11.30  | 43.68  | 28.08        | 8.95    | 7.89 | 21.5       | 3.01  | 97.6  |
| 395      | 4/19/2011 13:15 | 11.24  | 43.98  | 28.29        | 8.91    | 7.89 | 18.4       | 3.10  | 97.1  |
| 396      | 4/19/2011 13:30 | 11.07  | 44.56  | 28.70        | 8.83    | 7.89 | 17.5       | 3.18  | 96.2  |
| 397      | 4/19/2011 13:45 | 10.84  | 45.21  | 29.15        | 8.71    | 7.88 | 18.1       | 3.25  | 94.7  |
| 398      | 4/19/2011 14:00 | 10.64  | 45.95  | 29.66        | 8.53    | 7.87 | 11.2       | 3.32  | 92.7  |
| 399      | 4/19/2011 14:15 | 10.50  | 46.40  | 29.98        | 8.40    | 7.87 | 9.5        | 3.35  | 91.2  |
| 400      | 4/19/2011 14:30 | 10.44  | 46.49  | 30.04        | 8.30    | 7.86 | 7.5        | 3.36  | 89.9  |
| 401      | 4/19/2011 14:45 | 10.53  | 46.31  | 29.92        | 8.32    | 7.86 | 8.5        | 3.37  | 90.3  |
| 402      | 4/19/2011 15:00 | 10.76  | 45.89  | 29.63        | 8.49    | 7.88 | 8.4        | 3.33  | 92.5  |
| 403      | 4/19/2011 15:15 | 11.28  | 44.88  | 28.93        | 8.78    | 7.90 | 9.9        | 3.26  | 96.3  |
| 404      | 4/19/2011 15:30 | 12.02  | 43.49  | 27.97        | 9.30    | 7.92 | 9.6        | 3.20  | 102.9 |
| 405      | 4/19/2011 15:45 | 12.22  | 43.31  | 27.86        | 9.22    | 7.92 | 10.3       | 3.10  | 102.4 |
| 406      | 4/19/2011 16:00 | 12.35  | 42.57  | 27.33        | 9.25    | 7.91 | 10.7       | 3.00  | 102.7 |
| 407      | 4/19/2011 16:15 | 12.23  | 42.50  | 27.27        | 9.27    | 7.92 | 12.1       | 2.90  | 102.6 |
| 408      | 4/19/2011 16:30 | 12.54  | 41.87  | 26.84        | 9.35    | 7.91 | 10.0       | 2.80  | 103.9 |
| 409      | 4/19/2011 16:45 | 12.72  | 41.33  | 26.46        | 9.38    | 7.91 | 9.3        | 2.70  | 104.4 |
| 410      | 4/19/2011 17:00 | 12.58  | 41.71  | 26.73        | 9.52    | 7.94 | 8.1        | 2.60  | 105.8 |
| 411      | 4/19/2011 17:15 | 12.86  | 40.95  | 26.20        | 9.63    | 7.95 | 7.8        | 2.51  | 107.3 |
| 412      | 4/19/2011 17:30 | 12.92  | 40.92  | 26.18        | 9.67    | 7.95 | 7.8        | 2.41  | 107.9 |
| 413      | 4/19/2011 17:45 | 13.01  | 40.42  | 25.83        | 9.97    | 7.97 | 7.4        | 2.33  | 111.2 |
| 414      | 4/19/2011 18:00 | 13.13  | 39.96  | 25.51        | 9.77    | 7.95 | 7.4        | 2.24  | 109.0 |
| 415      | 4/19/2011 18:15 | 13.19  | 39.98  | 25.52        | 9.97    | 7.99 | 7.6        | 2.16  | 111.4 |
| 416      | 4/19/2011 18:30 | 13.34  | 39.46  | 25.16        | 9.95    | 7.97 | 7.1        | 2.09  | 111.3 |
| 417      | 4/19/2011 18:45 | 13.45  | 39.29  | 25.04        | 9.94    | 7.97 | 6.7        | 2.00  | 111.3 |
| 418      | 4/19/2011 19:00 | 13.52  | 39.31  | 25.06        | 9.96    | 7.98 | 6.4        | 1.97  | 111.7 |
| 419      | 4/19/2011 19:15 | 13.60  | 38.98  | 24.83        | 9.93    | 7.97 | 6.7        | 1.93  | 111.4 |
| 420      | 4/19/2011 19:30 | 13.43  | 39.21  | 24.98        | 9.77    | 7.96 | 5.7        | 1.91  | 109.4 |
| 421      | 4/19/2011 19:45 | 13.40  | 39.17  | 24.96        | 9.86    | 7.96 | 6.4        | 1.93  | 110.2 |
| 422      | 4/19/2011 20:00 | 13.38  | 39.08  | 24.89        | 9.80    | 7.95 | 6.8        | 1.97  | 109.5 |
| 423      | 4/19/2011 20:15 | 13.13  | 39.47  | 25.16        | 9.53    | 7.93 | 7.4        | 2.02  | 106.1 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |            |       |       |
| 424      | 4/19/2011 20:30 | 13.44  | 38.97  | 24.82        | 9.69    | 7.94 | 7.1        | 2.09  | 108.4 |
| 425      | 4/19/2011 20:45 | 13.39  | 38.31  | 24.36        | 9.60    | 7.92 | 8.4        | 2.18  | 106.9 |
| 426      | 4/19/2011 21:00 | 13.14  | 39.01  | 24.84        | 9.43    | 7.91 | 9.6        | 2.28  | 104.7 |
| 427      | 4/19/2011 21:15 | 12.93  | 40.22  | 25.68        | 9.39    | 7.91 | 8.2        | 2.37  | 104.5 |
| 428      | 4/19/2011 21:30 | 12.73  | 40.73  | 26.04        | 9.29    | 7.91 | 9.5        | 2.46  | 103.2 |
| 429      | 4/19/2011 21:45 | 12.44  | 41.46  | 26.55        | 9.15    | 7.90 | 12.3       | 2.56  | 101.3 |
| 430      | 4/19/2011 22:00 | 12.32  | 41.33  | 26.46        | 9.13    | 7.90 | 9.0        | 2.66  | 100.8 |
| 431      | 4/19/2011 22:15 | 12.35  | 41.41  | 26.51        | 9.20    | 7.91 | 8.7        | 2.75  | 101.6 |
| 432      | 4/19/2011 22:30 | 11.98  | 42.51  | 27.27        | 9.01    | 7.89 | 8.6        | 2.86  | 99.2  |
| 433      | 4/19/2011 22:45 | 11.55  | 44.06  | 28.36        | 8.70    | 7.88 | 15.5       | 2.96  | 95.6  |
| 434      | 4/19/2011 23:00 | 11.38  | 44.48  | 28.65        | 8.62    | 7.87 | 11.8       | 3.06  | 94.5  |
| 435      | 4/19/2011 23:15 | 11.39  | 44.62  | 28.75        | 8.59    | 7.87 | 17.5       | 3.17  | 94.3  |
| 436      | 4/19/2011 23:30 | 11.19  | 44.82  | 28.88        | 8.55    | 7.87 | 14.3       | 3.29  | 93.5  |
| 437      | 4/19/2011 23:45 | 11.02  | 45.23  | 29.17        | 8.48    | 7.86 | 14.1       | 3.40  | 92.5  |
| 438      | 4/20/2011 0:00  | 10.80  | 45.74  | 29.53        | 8.37    | 7.86 | 14.8       | 3.51  | 91.1  |
| 439      | 4/20/2011 0:15  | 10.64  | 46.25  | 29.88        | 8.35    | 7.86 | 13.0       | 3.62  | 90.8  |
| 440      | 4/20/2011 0:30  | 10.58  | 46.45  | 30.02        | 8.38    | 7.86 | 12.9       | 3.71  | 91.0  |
| 441      | 4/20/2011 0:45  | 10.49  | 46.85  | 30.30        | 8.40    | 7.87 | 9.9        | 3.80  | 91.3  |
| 442      | 4/20/2011 1:00  | 10.40  | 47.06  | 30.45        | 8.41    | 7.87 | 10.7       | 3.87  | 91.3  |
| 443      | 4/20/2011 1:15  | 10.22  | 47.49  | 30.74        | 8.39    | 7.87 | 7.6        | 3.93  | 90.9  |
| 444      | 4/20/2011 1:30  | 10.12  | 47.59  | 30.81        | 8.36    | 7.87 | 6.2        | 3.98  | 90.4  |
| 445      | 4/20/2011 1:45  | 10.08  | 47.61  | 30.82        | 8.33    | 7.88 | 6.3        | 3.99  | 90.1  |
| 446      | 4/20/2011 2:00  | 10.20  | 47.35  | 30.64        | 8.31    | 7.87 | 5.3        | 4.01  | 90.0  |
| 447      | 4/20/2011 2:15  | 10.17  | 47.54  | 30.78        | 8.26    | 7.87 | 7.2        | 3.96  | 89.4  |
| 448      | 4/20/2011 2:30  | 10.56  | 47.08  | 30.47        | 8.32    | 7.87 | 7.8        | 3.91  | 90.7  |
| 449      | 4/20/2011 2:45  | 10.81  | 45.62  | 29.44        | 8.45    | 7.87 | 6.5        | 3.84  | 92.0  |
| 450      | 4/20/2011 3:00  | 11.10  | 44.16  | 28.41        | 8.54    | 7.87 | 6.8        | 3.74  | 93.0  |
| 451      | 4/20/2011 3:15  | 11.45  | 42.48  | 27.24        | 8.63    | 7.87 | 7.8        | 3.60  | 93.9  |
| 452      | 4/20/2011 3:30  | 11.51  | 42.89  | 27.53        | 8.64    | 7.87 | 9.8        | 3.48  | 94.3  |
| 453      | 4/20/2011 3:45  | 11.55  | 42.86  | 27.51        | 8.67    | 7.87 | 13.6       | 3.36  | 94.7  |
| 454      | 4/20/2011 4:00  | 11.43  | 43.54  | 27.99        | 8.55    | 7.86 | 11.2       | 3.22  | 93.5  |
| 455      | 4/20/2011 4:15  | 11.66  | 43.00  | 27.61        | 8.62    | 7.87 | 13.0       | 3.06  | 94.5  |
| 456      | 4/20/2011 4:30  | 11.49  | 43.93  | 28.27        | 8.56    | 7.87 | 15.2       | 2.93  | 93.8  |
| 457      | 4/20/2011 4:45  | 11.93  | 42.26  | 27.10        | 8.67    | 7.87 | 13.7       | 2.78  | 95.2  |
| 458      | 4/20/2011 5:00  | 11.92  | 42.24  | 27.08        | 8.71    | 7.87 | 11.9       | 2.63  | 95.6  |
| 459      | 4/20/2011 5:15  | 12.00  | 41.93  | 26.87        | 8.76    | 7.87 | 9.9        | 2.46  | 96.3  |
| 460      | 4/20/2011 5:30  | 12.09  | 41.85  | 26.81        | 8.73    | 7.88 | 11.6       | 2.30  | 96.1  |
| 461      | 4/20/2011 5:45  | 12.20  | 41.63  | 26.66        | 8.76    | 7.88 | 11.4       | 2.14  | 96.5  |
| 462      | 4/20/2011 6:00  | 12.49  | 41.09  | 26.29        | 8.76    | 7.88 | 13.2       | 1.96  | 96.9  |
| 463      | 4/20/2011 6:15  | 12.45  | 41.19  | 26.35        | 8.75    | 7.87 | 14.0       | 1.80  | 96.8  |
| 464      | 4/20/2011 6:30  | 12.60  | 40.80  | 26.09        | 8.82    | 7.88 | 13.7       | 1.63  | 97.7  |
| 465      | 4/20/2011 6:45  | 12.76  | 40.46  | 25.85        | 8.84    | 7.89 | 12.9       | 1.46  | 98.1  |
| 466      | 4/20/2011 7:00  | 12.93  | 40.04  | 25.56        | 8.91    | 7.89 | 14.1       | 1.30  | 99.0  |
| 467      | 4/20/2011 7:15  | 13.09  | 39.70  | 25.33        | 8.94    | 7.89 | 13.0       | 1.16  | 99.5  |
| 468      | 4/20/2011 7:30  | 13.19  | 39.43  | 25.14        | 8.95    | 7.89 | 13.7       | 1.00  | 99.8  |
| 469      | 4/20/2011 7:45  | 13.26  | 39.02  | 24.85        | 8.96    | 7.90 | 12.1       | 0.89  | 99.9  |
| 470      | 4/20/2011 8:00  | 13.29  | 38.96  | 24.81        | 8.99    | 7.90 | 12.5       | 0.80  | 100.2 |
| 471      | 4/20/2011 8:15  | 13.22  | 39.13  | 24.93        | 8.95    | 7.89 | 11.8       | 0.79  | 99.7  |
| 472      | 4/20/2011 8:30  | 13.14  | 39.30  | 25.04        | 8.90    | 7.88 | 13.4       | 0.85  | 99.0  |
| 473      | 4/20/2011 8:45  | 13.05  | 39.42  | 25.13        | 8.88    | 7.88 | 13.2       | 0.93  | 98.7  |
| 474      | 4/20/2011 9:00  | 13.04  | 39.47  | 25.16        | 8.88    | 7.88 | 11.0       | 1.03  | 98.6  |
| 475      | 4/20/2011 9:15  | 13.00  | 38.91  | 24.77        | 8.96    | 7.88 | 9.1        | 1.11  | 99.3  |
| 476      | 4/20/2011 9:30  | 12.95  | 39.03  | 24.85        | 8.90    | 7.88 | 9.2        | 1.21  | 98.5  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |            | meters |       |
| 477      | 4/20/2011 9:45  | 12.89  | 38.98  | 24.82        | 8.89    | 7.87 | 9.4        | 1.29   | 98.2  |
| 478      | 4/20/2011 10:00 | 12.85  | 38.96  | 24.80        | 8.85    | 7.86 | 9.7        | 1.36   | 97.7  |
| 479      | 4/20/2011 10:15 | 12.81  | 39.07  | 24.88        | 8.84    | 7.86 | 8.7        | 1.45   | 97.6  |
| 480      | 4/20/2011 10:30 | 12.80  | 39.43  | 25.13        | 8.79    | 7.86 | 8.5        | 1.54   | 97.1  |
| 481      | 4/20/2011 10:45 | 12.71  | 39.28  | 25.02        | 8.81    | 7.86 | 9.0        | 1.64   | 97.1  |
| 482      | 4/20/2011 11:00 | 12.60  | 39.27  | 25.01        | 8.80    | 7.86 | 8.9        | 1.74   | 96.8  |
| 483      | 4/20/2011 11:15 | 12.53  | 39.53  | 25.19        | 8.84    | 7.86 | 9.6        | 1.86   | 97.2  |
| 484      | 4/20/2011 11:30 | 12.41  | 40.09  | 25.58        | 8.81    | 7.86 | 9.6        | 1.98   | 96.8  |
| 485      | 4/20/2011 11:45 | 12.42  | 40.61  | 25.95        | 8.79    | 7.87 | 11.2       | 2.10   | 96.9  |
| 486      | 4/20/2011 12:00 | 12.48  | 40.50  | 25.87        | 8.87    | 7.87 | 10.1       | 2.22   | 97.9  |
| 487      | 4/20/2011 12:15 | 12.27  | 41.57  | 26.62        | 8.73    | 7.87 | 12.6       | 2.33   | 96.3  |
| 488      | 4/20/2011 12:30 | 12.26  | 41.44  | 26.53        | 8.77    | 7.87 | 13.2       | 2.46   | 96.7  |
| 489      | 4/20/2011 12:45 | 12.13  | 41.74  | 26.73        | 8.72    | 7.87 | 18.3       | 2.56   | 95.9  |
| 490      | 4/20/2011 13:00 | 12.01  | 41.95  | 26.88        | 8.73    | 7.87 | 20.4       | 2.65   | 95.9  |
| 491      | 4/20/2011 13:15 | 11.94  | 42.23  | 27.07        | 8.71    | 7.87 | 19.0       | 2.75   | 95.6  |
| 492      | 4/20/2011 13:30 | 11.49  | 43.54  | 27.99        | 8.56    | 7.86 | 19.5       | 2.85   | 93.7  |
| 493      | 4/20/2011 13:45 | 11.31  | 44.21  | 28.46        | 8.51    | 7.86 | 17.6       | 2.94   | 93.0  |
| 494      | 4/20/2011 14:00 | 11.20  | 44.64  | 28.76        | 8.48    | 7.86 | 14.1       | 3.02   | 92.7  |
| 495      | 4/20/2011 14:15 | 11.10  | 44.87  | 28.92        | 8.44    | 7.86 | 12.8       | 3.11   | 92.2  |
| 496      | 4/20/2011 14:30 | 10.95  | 45.24  | 29.17        | 8.36    | 7.86 | 11.4       | 3.18   | 91.1  |
| 497      | 4/20/2011 14:45 | 10.73  | 45.79  | 29.56        | 8.23    | 7.85 | 9.7        | 3.23   | 89.5  |
| 498      | 4/20/2011 15:00 | 10.61  | 46.12  | 29.78        | 8.13    | 7.85 | 7.7        | 3.29   | 88.3  |
| 499      | 4/20/2011 15:15 | 10.51  | 46.31  | 29.92        | 8.09    | 7.84 | 6.7        | 3.32   | 87.8  |
| 500      | 4/20/2011 15:30 | 10.55  | 46.22  | 29.86        | 8.05    | 7.84 | 6.8        | 3.32   | 87.3  |
| 501      | 4/20/2011 15:45 | 10.46  | 46.47  | 30.03        | 7.96    | 7.84 | 7.3        | 3.31   | 86.3  |
| 502      | 4/20/2011 16:00 | 10.72  | 45.89  | 29.63        | 8.09    | 7.85 | 7.6        | 3.26   | 88.0  |
| 503      | 4/20/2011 16:15 | 11.55  | 44.00  | 28.31        | 8.78    | 7.89 | 11.1       | 3.19   | 96.4  |
| 504      | 4/20/2011 16:30 | 11.27  | 44.57  | 28.71        | 8.45    | 7.87 | 10.2       | 3.12   | 92.5  |
| 505      | 4/20/2011 16:45 | 11.51  | 44.04  | 28.34        | 8.52    | 7.87 | 10.3       | 3.03   | 93.5  |
| 506      | 4/20/2011 17:00 | 11.71  | 43.74  | 28.14        | 8.64    | 7.88 | 8.9        | 2.94   | 95.1  |
| 507      | 4/20/2011 17:15 | 11.75  | 43.30  | 27.83        | 8.72    | 7.88 | 9.5        | 2.85   | 95.8  |
| 508      | 4/20/2011 17:30 | 11.78  | 43.13  | 27.71        | 8.74    | 7.88 | 8.5        | 2.75   | 96.0  |
| 509      | 4/20/2011 17:45 | 11.91  | 42.76  | 27.45        | 8.82    | 7.89 | 7.3        | 2.67   | 97.1  |
| 510      | 4/20/2011 18:00 | 11.94  | 42.62  | 27.35        | 8.95    | 7.90 | 6.3        | 2.58   | 98.4  |
| 511      | 4/20/2011 18:15 | 12.17  | 41.77  | 26.76        | 8.99    | 7.90 | 7.5        | 2.50   | 99.1  |
| 512      | 4/20/2011 18:30 | 12.34  | 41.05  | 26.26        | 9.08    | 7.90 | 7.1        | 2.42   | 100.1 |
| 513      | 4/20/2011 18:45 | 12.34  | 41.07  | 26.27        | 9.13    | 7.91 | 6.3        | 2.35   | 100.6 |
| 514      | 4/20/2011 19:00 | 12.37  | 40.78  | 26.06        | 9.19    | 7.91 | 6.3        | 2.28   | 101.3 |
| 515      | 4/20/2011 19:15 | 12.44  | 40.61  | 25.95        | 9.23    | 7.91 | 6.0        | 2.21   | 101.7 |
| 516      | 4/20/2011 19:30 | 12.49  | 40.41  | 25.81        | 9.25    | 7.91 | 6.3        | 2.15   | 102.0 |
| 517      | 4/20/2011 19:45 | 12.53  | 40.26  | 25.70        | 9.27    | 7.91 | 5.9        | 2.10   | 102.2 |
| 518      | 4/20/2011 20:00 | 12.65  | 39.81  | 25.39        | 9.15    | 7.90 | 6.0        | 2.08   | 101.0 |
| 519      | 4/20/2011 20:15 | 12.47  | 40.57  | 25.92        | 9.15    | 7.91 | 5.4        | 2.06   | 100.9 |
| 520      | 4/20/2011 20:30 | 12.50  | 40.30  | 25.73        | 9.07    | 7.90 | 6.2        | 2.05   | 100.0 |
| 521      | 4/20/2011 20:45 | 12.62  | 39.91  | 25.46        | 9.16    | 7.90 | 6.4        | 2.09   | 101.1 |
| 522      | 4/20/2011 21:00 | 12.49  | 40.19  | 25.65        | 9.05    | 7.89 | 6.5        | 2.13   | 99.7  |
| 523      | 4/20/2011 21:15 | 12.48  | 40.36  | 25.77        | 9.03    | 7.89 | 6.3        | 2.18   | 99.5  |
| 524      | 4/20/2011 21:30 | 12.56  | 39.90  | 25.45        | 9.10    | 7.89 | 8.2        | 2.26   | 100.3 |
| 525      | 4/20/2011 21:45 | 12.31  | 40.75  | 26.04        | 8.91    | 7.88 | 7.8        | 2.34   | 98.0  |
| 526      | 4/20/2011 22:00 | 12.11  | 41.45  | 26.53        | 8.80    | 7.87 | 7.1        | 2.43   | 96.7  |
| 527      | 4/20/2011 22:15 | 12.10  | 41.93  | 26.87        | 8.80    | 7.87 | 7.6        | 2.52   | 96.9  |
| 528      | 4/20/2011 22:30 | 11.97  | 41.92  | 26.86        | 8.78    | 7.87 | 7.3        | 2.60   | 96.4  |
| 529      | 4/20/2011 22:45 | 11.78  | 42.48  | 27.25        | 8.70    | 7.87 | 7.7        | 2.69   | 95.3  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |            |       |      |
| 530      | 4/20/2011 23:00 | 11.69  | 42.95  | 27.58        | 8.68    | 7.87 | 8.6        | 2.79  | 95.1 |
| 531      | 4/20/2011 23:15 | 11.61  | 43.22  | 27.76        | 8.65    | 7.87 | 6.8        | 2.88  | 94.8 |
| 532      | 4/20/2011 23:30 | 11.10  | 44.74  | 28.83        | 8.32    | 7.85 | 8.6        | 2.97  | 90.8 |
| 533      | 4/20/2011 23:45 | 10.98  | 45.16  | 29.12        | 8.24    | 7.84 | 10.8       | 3.07  | 89.8 |
| 534      | 4/21/2011 0:00  | 10.89  | 45.38  | 29.27        | 8.21    | 7.84 | 12.6       | 3.17  | 89.4 |
| 535      | 4/21/2011 0:15  | 10.78  | 45.47  | 29.33        | 8.24    | 7.85 | 12.4       | 3.27  | 89.6 |
| 536      | 4/21/2011 0:30  | 10.59  | 45.84  | 29.59        | 8.22    | 7.85 | 11.7       | 3.36  | 89.2 |
| 537      | 4/21/2011 0:45  | 10.50  | 46.05  | 29.73        | 8.22    | 7.85 | 10.3       | 3.47  | 89.0 |
| 538      | 4/21/2011 1:00  | 10.35  | 46.44  | 30.00        | 8.21    | 7.85 | 9.6        | 3.57  | 88.8 |
| 539      | 4/21/2011 1:15  | 10.22  | 46.87  | 30.30        | 8.20    | 7.85 | 7.8        | 3.65  | 88.5 |
| 540      | 4/21/2011 1:30  | 10.14  | 47.07  | 30.44        | 8.20    | 7.85 | 7.3        | 3.73  | 88.5 |
| 541      | 4/21/2011 1:45  | 10.09  | 47.28  | 30.59        | 8.23    | 7.86 | 6.8        | 3.81  | 88.8 |
| 542      | 4/21/2011 2:00  | 10.07  | 47.38  | 30.66        | 8.28    | 7.86 | 5.5        | 3.85  | 89.3 |
| 543      | 4/21/2011 2:15  | 10.06  | 47.44  | 30.70        | 8.30    | 7.87 | 5.1        | 3.88  | 89.6 |
| 544      | 4/21/2011 2:30  | 10.05  | 47.60  | 30.82        | 8.28    | 7.87 | 4.6        | 3.91  | 89.4 |
| 545      | 4/21/2011 2:45  | 10.12  | 47.21  | 30.54        | 8.20    | 7.86 | 4.8        | 3.90  | 88.5 |
| 546      | 4/21/2011 3:00  | 10.07  | 47.41  | 30.68        | 8.25    | 7.86 | 5.6        | 3.88  | 89.1 |
| 547      | 4/21/2011 3:15  | 10.20  | 46.67  | 30.16        | 8.32    | 7.85 | 7.8        | 3.81  | 89.8 |
| 548      | 4/21/2011 3:30  | 10.19  | 46.71  | 30.19        | 8.34    | 7.85 | 6.8        | 3.74  | 90.0 |
| 549      | 4/21/2011 3:45  | 10.18  | 46.70  | 30.17        | 8.39    | 7.85 | 9.6        | 3.64  | 90.5 |
| 550      | 4/21/2011 4:00  | 10.41  | 46.03  | 29.71        | 8.44    | 7.86 | 8.2        | 3.53  | 91.2 |
| 551      | 4/21/2011 4:15  | 10.50  | 46.03  | 29.72        | 8.44    | 7.86 | 9.6        | 3.40  | 91.4 |
| 552      | 4/21/2011 4:30  | 10.74  | 45.19  | 29.13        | 8.35    | 7.85 | 9.8        | 3.29  | 90.5 |
| 553      | 4/21/2011 4:45  | 10.83  | 44.88  | 28.91        | 8.35    | 7.84 | 8.4        | 3.16  | 90.6 |
| 554      | 4/21/2011 5:00  | 10.95  | 44.45  | 28.61        | 8.37    | 7.84 | 8.0        | 3.02  | 90.9 |
| 555      | 4/21/2011 5:15  | 10.97  | 44.42  | 28.59        | 8.37    | 7.84 | 8.3        | 2.88  | 90.9 |
| 556      | 4/21/2011 5:30  | 10.82  | 44.81  | 28.86        | 8.48    | 7.85 | 8.1        | 2.74  | 91.9 |
| 557      | 4/21/2011 5:45  | 11.14  | 43.64  | 28.04        | 8.49    | 7.85 | 8.4        | 2.59  | 92.2 |
| 558      | 4/21/2011 6:00  | 11.41  | 42.71  | 27.39        | 8.52    | 7.85 | 12.3       | 2.46  | 92.8 |
| 559      | 4/21/2011 6:15  | 11.31  | 42.96  | 27.57        | 8.52    | 7.85 | 9.5        | 2.31  | 92.6 |
| 560      | 4/21/2011 6:30  | 11.48  | 42.29  | 27.10        | 8.58    | 7.85 | 9.9        | 2.14  | 93.3 |
| 561      | 4/21/2011 6:45  | 11.62  | 41.89  | 26.82        | 8.60    | 7.85 | 11.1       | 2.02  | 93.7 |
| 562      | 4/21/2011 7:00  | 11.73  | 41.53  | 26.57        | 8.65    | 7.85 | 11.2       | 1.85  | 94.3 |
| 563      | 4/21/2011 7:15  | 11.93  | 40.98  | 26.19        | 8.65    | 7.86 | 11.4       | 1.68  | 94.5 |
| 564      | 4/21/2011 7:30  | 12.04  | 40.68  | 25.98        | 8.66    | 7.86 | 11.0       | 1.54  | 94.7 |
| 565      | 4/21/2011 7:45  | 12.19  | 40.18  | 25.64        | 8.70    | 7.87 | 10.6       | 1.38  | 95.2 |
| 566      | 4/21/2011 8:00  | 12.30  | 39.74  | 25.33        | 8.73    | 7.87 | 10.4       | 1.23  | 95.6 |
| 567      | 4/21/2011 8:15  | 12.38  | 39.44  | 25.12        | 8.74    | 7.88 | 9.9        | 1.09  | 95.8 |
| 568      | 4/21/2011 8:30  | 12.41  | 39.30  | 25.02        | 8.75    | 7.88 | 9.6        | 0.98  | 95.8 |
| 569      | 4/21/2011 8:45  | 12.44  | 39.28  | 25.01        | 8.74    | 7.88 | 9.3        | 0.89  | 95.8 |
| 570      | 4/21/2011 9:00  | 12.38  | 39.41  | 25.10        | 8.74    | 7.87 | 9.5        | 0.87  | 95.7 |
| 571      | 4/21/2011 9:15  | 12.32  | 39.70  | 25.30        | 8.68    | 7.87 | 9.0        | 0.91  | 95.1 |
| 572      | 4/21/2011 9:30  | 12.30  | 39.83  | 25.40        | 8.70    | 7.87 | 8.8        | 0.98  | 95.3 |
| 573      | 4/21/2011 9:45  | 12.35  | 39.83  | 25.39        | 8.75    | 7.87 | 8.0        | 1.07  | 95.9 |
| 574      | 4/21/2011 10:00 | 12.42  | 39.87  | 25.43        | 8.79    | 7.88 | 7.0        | 1.16  | 96.6 |
| 575      | 4/21/2011 10:15 | 12.32  | 39.23  | 24.97        | 8.80    | 7.86 | 8.1        | 1.22  | 96.2 |
| 576      | 4/21/2011 10:30 | 12.26  | 39.25  | 24.98        | 8.77    | 7.86 | 8.1        | 1.30  | 95.7 |
| 577      | 4/21/2011 10:45 | 12.22  | 39.53  | 25.18        | 8.70    | 7.86 | 7.9        | 1.37  | 95.0 |
| 578      | 4/21/2011 11:00 | 12.19  | 39.52  | 25.17        | 8.69    | 7.85 | 8.2        | 1.44  | 94.9 |
| 579      | 4/21/2011 11:15 | 12.18  | 39.55  | 25.19        | 8.71    | 7.85 | 8.1        | 1.52  | 95.0 |
| 580      | 4/21/2011 11:30 | 12.17  | 39.72  | 25.31        | 8.67    | 7.84 | 6.8        | 1.61  | 94.7 |
| 581      | 4/21/2011 11:45 | 12.09  | 40.15  | 25.61        | 8.62    | 7.84 | 7.3        | 1.71  | 94.1 |
| 582      | 4/21/2011 12:00 | 11.92  | 40.64  | 25.95        | 8.57    | 7.84 | 7.8        | 1.80  | 93.5 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |            |       |       |
| 583      | 4/21/2011 12:15 | 11.79  | 41.03  | 26.22        | 8.53    | 7.84 | 8.7        | 1.91  | 92.9  |
| 584      | 4/21/2011 12:30 | 11.80  | 40.93  | 26.15        | 8.59    | 7.84 | 8.5        | 2.03  | 93.5  |
| 585      | 4/21/2011 12:45 | 11.91  | 40.72  | 26.00        | 8.65    | 7.85 | 8.5        | 2.14  | 94.3  |
| 586      | 4/21/2011 13:00 | 11.88  | 41.13  | 26.30        | 8.60    | 7.84 | 9.1        | 2.25  | 93.9  |
| 587      | 4/21/2011 13:15 | 11.81  | 41.39  | 26.48        | 8.57    | 7.84 | 8.7        | 2.35  | 93.6  |
| 588      | 4/21/2011 13:30 | 11.71  | 41.99  | 26.90        | 8.51    | 7.84 | 8.6        | 2.47  | 92.9  |
| 589      | 4/21/2011 13:45 | 11.65  | 42.25  | 27.08        | 8.51    | 7.84 | 10.4       | 2.56  | 92.9  |
| 590      | 4/21/2011 14:00 | 11.59  | 42.45  | 27.22        | 8.53    | 7.84 | 13.2       | 2.65  | 93.1  |
| 591      | 4/21/2011 14:15 | 11.56  | 42.71  | 27.40        | 8.55    | 7.84 | 14.3       | 2.73  | 93.3  |
| 592      | 4/21/2011 14:30 | 11.46  | 43.04  | 27.63        | 8.54    | 7.84 | 13.8       | 2.82  | 93.1  |
| 593      | 4/21/2011 14:45 | 11.17  | 43.92  | 28.25        | 8.51    | 7.84 | 17.2       | 2.89  | 92.6  |
| 594      | 4/21/2011 15:00 | 10.97  | 44.76  | 28.83        | 8.55    | 7.85 | 12.5       | 2.96  | 93.0  |
| 595      | 4/21/2011 15:15 | 10.97  | 44.91  | 28.94        | 8.57    | 7.85 | 13.8       | 3.03  | 93.3  |
| 596      | 4/21/2011 15:30 | 10.98  | 45.20  | 29.15        | 8.60    | 7.85 | 10.6       | 3.08  | 93.7  |
| 597      | 4/21/2011 15:45 | 10.99  | 45.39  | 29.28        | 8.63    | 7.86 | 8.9        | 3.13  | 94.1  |
| 598      | 4/21/2011 16:00 | 10.98  | 45.43  | 29.31        | 8.63    | 7.86 | 7.4        | 3.17  | 94.2  |
| 599      | 4/21/2011 16:15 | 10.97  | 45.49  | 29.35        | 8.61    | 7.86 | 6.0        | 3.19  | 93.9  |
| 600      | 4/21/2011 16:30 | 10.95  | 45.45  | 29.32        | 8.56    | 7.85 | 8.1        | 3.19  | 93.3  |
| 601      | 4/21/2011 16:45 | 11.13  | 45.11  | 29.09        | 8.67    | 7.87 | 7.5        | 3.17  | 94.8  |
| 602      | 4/21/2011 17:00 | 11.55  | 44.60  | 28.74        | 9.25    | 7.91 | 12.5       | 3.13  | 101.8 |
| 603      | 4/21/2011 17:15 | 11.38  | 44.87  | 28.93        | 9.17    | 7.90 | 11.7       | 3.08  | 100.7 |
| 604      | 4/21/2011 17:30 | 11.43  | 44.67  | 28.79        | 9.13    | 7.90 | 13.7       | 3.01  | 100.2 |
| 605      | 4/21/2011 17:45 | 11.34  | 44.95  | 28.99        | 9.12    | 7.89 | 16.8       | 2.93  | 100.1 |
| 606      | 4/21/2011 18:00 | 12.18  | 43.36  | 27.89        | 9.18    | 7.91 | 22.2       | 2.86  | 101.9 |
| 607      | 4/21/2011 18:15 | 12.13  | 43.29  | 27.84        | 9.11    | 7.91 | 23.9       | 2.78  | 101.0 |
| 608      | 4/21/2011 18:30 | 12.15  | 43.04  | 27.66        | 9.20    | 7.90 | 24.2       | 2.69  | 101.9 |
| 609      | 4/21/2011 18:45 | 12.16  | 42.53  | 27.30        | 9.14    | 7.89 | 27.2       | 2.63  | 101.0 |
| 610      | 4/21/2011 19:00 | 12.16  | 42.01  | 26.93        | 9.21    | 7.89 | 23.4       | 2.54  | 101.6 |
| 611      | 4/21/2011 19:15 | 12.17  | 41.78  | 26.77        | 9.26    | 7.90 | 23.1       | 2.47  | 102.0 |
| 612      | 4/21/2011 19:30 | 12.36  | 41.17  | 26.34        | 9.29    | 7.90 | 23.1       | 2.41  | 102.5 |
| 613      | 4/21/2011 19:45 | 12.24  | 41.65  | 26.68        | 9.37    | 7.92 | 20.8       | 2.34  | 103.3 |
| 614      | 4/21/2011 20:00 | 12.33  | 41.31  | 26.44        | 9.38    | 7.94 | 19.2       | 2.29  | 103.6 |
| 615      | 4/21/2011 20:15 | 12.47  | 40.68  | 26.00        | 9.36    | 7.92 | 24.8       | 2.24  | 103.3 |
| 616      | 4/21/2011 20:30 | 12.45  | 40.68  | 26.00        | 9.34    | 7.92 | 22.2       | 2.20  | 103.1 |
| 617      | 4/21/2011 20:45 | 12.57  | 40.52  | 25.89        | 9.22    | 7.90 | 14.8       | 2.18  | 101.9 |
| 618      | 4/21/2011 21:00 | 12.59  | 40.58  | 25.93        | 9.20    | 7.90 | 13.5       | 2.17  | 101.8 |
| 619      | 4/21/2011 21:15 | 12.53  | 40.37  | 25.78        | 9.28    | 7.92 | 14.5       | 2.18  | 102.4 |
| 620      | 4/21/2011 21:30 | 12.75  | 40.06  | 25.57        | 9.31    | 7.92 | 13.2       | 2.20  | 103.1 |
| 621      | 4/21/2011 21:45 | 12.48  | 40.61  | 25.95        | 9.22    | 7.90 | 14.0       | 2.24  | 101.7 |
| 622      | 4/21/2011 22:00 | 12.44  | 40.84  | 26.11        | 9.09    | 7.89 | 13.3       | 2.27  | 100.3 |
| 623      | 4/21/2011 22:15 | 12.50  | 40.54  | 25.90        | 9.18    | 7.90 | 13.9       | 2.34  | 101.3 |
| 624      | 4/21/2011 22:30 | 12.57  | 40.04  | 25.55        | 9.26    | 7.92 | 12.1       | 2.40  | 102.1 |
| 625      | 4/21/2011 22:45 | 12.71  | 40.06  | 25.57        | 9.18    | 7.91 | 11.0       | 2.47  | 101.6 |
| 626      | 4/21/2011 23:00 | 12.29  | 41.62  | 26.66        | 8.97    | 7.87 | 14.0       | 2.55  | 99.0  |
| 627      | 4/21/2011 23:15 | 12.08  | 42.38  | 27.19        | 8.91    | 7.87 | 13.1       | 2.62  | 98.3  |
| 628      | 4/21/2011 23:30 | 11.87  | 42.77  | 27.46        | 8.87    | 7.87 | 12.2       | 2.70  | 97.6  |
| 629      | 4/21/2011 23:45 | 11.82  | 42.84  | 27.50        | 8.90    | 7.87 | 12.3       | 2.77  | 97.8  |
| 630      | 4/22/2011 0:00  | 11.72  | 42.95  | 27.58        | 8.91    | 7.87 | 10.0       | 2.85  | 97.7  |
| 631      | 4/22/2011 0:15  | 11.70  | 42.90  | 27.54        | 8.96    | 7.87 | 15.2       | 2.93  | 98.2  |
| 632      | 4/22/2011 0:30  | 11.47  | 43.50  | 27.96        | 8.91    | 7.87 | 10.2       | 3.01  | 97.5  |
| 633      | 4/22/2011 0:45  | 11.15  | 45.03  | 29.03        | 8.73    | 7.87 | 9.3        | 3.09  | 95.5  |
| 634      | 4/22/2011 1:00  | 11.00  | 45.53  | 29.38        | 8.69    | 7.87 | 12.2       | 3.18  | 95.0  |
| 635      | 4/22/2011 1:15  | 10.91  | 45.70  | 29.50        | 8.69    | 7.87 | 16.4       | 3.27  | 94.9  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 636      | 4/22/2011 1:30  | 10.80  | 46.37  | 29.98        | 8.68    | 7.87 | 14.5              | 3.34            | 94.7 |
| 637      | 4/22/2011 1:45  | 10.67  | 46.13  | 29.80        | 8.69    | 7.87 | 13.1              | 3.43            | 94.5 |
| 638      | 4/22/2011 2:00  | 10.48  | 46.55  | 30.09        | 8.67    | 7.87 | 12.1              | 3.51            | 94.1 |
| 639      | 4/22/2011 2:15  | 10.38  | 46.77  | 30.24        | 8.64    | 7.87 | 8.9               | 3.56            | 93.6 |
| 640      | 4/22/2011 2:30  | 10.30  | 47.08  | 30.46        | 8.60    | 7.87 | 7.4               | 3.62            | 93.2 |
| 641      | 4/22/2011 2:45  | 10.26  | 47.16  | 30.51        | 8.58    | 7.87 | 6.7               | 3.67            | 92.9 |
| 642      | 4/22/2011 3:00  | 10.22  | 47.34  | 30.64        | 8.56    | 7.88 | 4.6               | 3.70            | 92.7 |
| 643      | 4/22/2011 3:15  | 10.20  | 47.39  | 30.67        | 8.53    | 7.87 | 4.8               | 3.72            | 92.4 |
| 644      | 4/22/2011 3:30  | 10.28  | 47.32  | 30.63        | 8.48    | 7.87 | 4.3               | 3.72            | 92.0 |
| 645      | 4/22/2011 3:45  | 10.22  | 47.43  | 30.70        | 8.44    | 7.87 | 5.5               | 3.70            | 91.5 |
| 646      | 4/22/2011 4:00  | 10.22  | 47.48  | 30.74        | 8.47    | 7.87 | 4.9               | 3.66            | 91.7 |
| 647      | 4/22/2011 4:15  | 10.61  | 45.44  | 29.30        | 8.61    | 7.86 | 8.7               | 3.59            | 93.2 |
| 648      | 4/22/2011 4:30  | 10.63  | 44.89  | 28.91        | 8.59    | 7.87 | 9.2               | 3.51            | 92.8 |
| 649      | 4/22/2011 4:45  | 10.51  | 45.72  | 29.49        | 8.54    | 7.87 | 9.8               | 3.42            | 92.4 |
| 650      | 4/22/2011 5:00  | 11.00  | 43.79  | 28.15        | 8.68    | 7.87 | 9.8               | 3.31            | 94.1 |
| 651      | 4/22/2011 5:15  | 11.05  | 43.76  | 28.12        | 8.70    | 7.86 | 9.0               | 3.21            | 94.4 |
| 652      | 4/22/2011 5:30  | 11.10  | 43.44  | 27.90        | 8.69    | 7.87 | 14.4              | 3.08            | 94.3 |
| 653      | 4/22/2011 5:45  | 11.15  | 44.05  | 28.34        | 8.69    | 7.87 | 17.9              | 2.96            | 94.6 |
| 654      | 4/22/2011 6:00  | 11.26  | 43.58  | 28.01        | 8.71    | 7.87 | 16.8              | 2.84            | 94.8 |
| 655      | 4/22/2011 6:15  | 11.38  | 42.82  | 27.47        | 8.71    | 7.88 | 15.5              | 2.72            | 94.8 |
| 656      | 4/22/2011 6:30  | 11.49  | 42.77  | 27.44        | 8.69    | 7.88 | 16.0              | 2.60            | 94.8 |
| 657      | 4/22/2011 6:45  | 11.47  | 41.86  | 26.80        | 8.75    | 7.88 | 9.5               | 2.47            | 95.0 |
| 658      | 4/22/2011 7:00  | 11.44  | 41.88  | 26.81        | 8.71    | 7.88 | 8.7               | 2.34            | 94.5 |
| 659      | 4/22/2011 7:15  | 11.53  | 41.57  | 26.59        | 8.69    | 7.88 | 9.1               | 2.20            | 94.4 |
| 660      | 4/22/2011 7:30  | 11.47  | 41.55  | 26.58        | 8.71    | 7.87 | 9.3               | 2.05            | 94.4 |
| 661      | 4/22/2011 7:45  | 11.67  | 41.17  | 26.31        | 8.74    | 7.88 | 10.7              | 1.91            | 95.0 |
| 662      | 4/22/2011 8:00  | 11.63  | 41.27  | 26.39        | 8.76    | 7.88 | 10.9              | 1.78            | 95.1 |
| 663      | 4/22/2011 8:15  | 11.80  | 41.03  | 26.22        | 8.77    | 7.88 | 11.3              | 1.62            | 95.6 |
| 664      | 4/22/2011 8:30  | 11.94  | 40.88  | 26.12        | 8.75    | 7.88 | 10.6              | 1.48            | 95.6 |
| 665      | 4/22/2011 8:45  | 12.01  | 40.70  | 25.99        | 8.75    | 7.88 | 10.4              | 1.36            | 95.6 |
| 666      | 4/22/2011 9:00  | 12.03  | 40.76  | 26.04        | 8.77    | 7.89 | 9.9               | 1.26            | 95.9 |
| 667      | 4/22/2011 9:15  | 12.07  | 40.51  | 25.87        | 8.81    | 7.89 | 11.4              | 1.16            | 96.4 |
| 668      | 4/22/2011 9:30  | 12.10  | 40.61  | 25.94        | 8.83    | 7.89 | 8.9               | 1.09            | 96.7 |
| 669      | 4/22/2011 9:45  | 12.09  | 40.54  | 25.89        | 8.80    | 7.88 | 9.0               | 1.06            | 96.2 |
| 670      | 4/22/2011 10:00 | 11.97  | 40.80  | 26.07        | 8.71    | 7.88 | 8.7               | 1.05            | 95.1 |
| 671      | 4/22/2011 10:15 | 11.96  | 40.89  | 26.13        | 8.70    | 7.88 | 8.1               | 1.08            | 95.1 |
| 672      | 4/22/2011 10:30 | 12.09  | 40.86  | 26.12        | 8.74    | 7.88 | 7.8               | 1.14            | 95.8 |
| 673      | 4/22/2011 10:45 | 12.19  | 40.93  | 26.16        | 8.82    | 7.88 | 7.6               | 1.21            | 96.9 |
| 674      | 4/22/2011 11:00 | 12.17  | 40.70  | 26.00        | 8.83    | 7.88 | 6.9               | 1.28            | 96.8 |
| 675      | 4/22/2011 11:15 | 12.10  | 40.30  | 25.72        | 8.78    | 7.87 | 7.8               | 1.34            | 95.9 |
| 676      | 4/22/2011 11:30 | 12.03  | 40.28  | 25.70        | 8.76    | 7.87 | 7.9               | 1.42            | 95.6 |
| 677      | 4/22/2011 11:45 | 11.99  | 40.35  | 25.75        | 8.73    | 7.87 | 7.9               | 1.51            | 95.2 |
| 678      | 4/22/2011 12:00 | 11.97  | 40.21  | 25.65        | 8.70    | 7.86 | 7.7               | 1.57            | 94.7 |
| 679      | 4/22/2011 12:15 | 11.93  | 40.72  | 26.01        | 8.59    | 7.86 | 7.2               | 1.64            | 93.8 |
| 680      | 4/22/2011 12:30 | 11.90  | 40.56  | 25.89        | 8.60    | 7.86 | 7.4               | 1.73            | 93.7 |
| 681      | 4/22/2011 12:45 | 11.78  | 41.17  | 26.32        | 8.58    | 7.86 | 7.8               | 1.82            | 93.5 |
| 682      | 4/22/2011 13:00 | 11.77  | 41.00  | 26.20        | 8.68    | 7.86 | 8.1               | 1.90            | 94.5 |
| 683      | 4/22/2011 13:15 | 11.70  | 41.42  | 26.49        | 8.68    | 7.86 | 7.5               | 2.00            | 94.6 |
| 684      | 4/22/2011 13:30 | 11.61  | 41.96  | 26.87        | 8.65    | 7.86 | 8.2               | 2.12            | 94.2 |
| 685      | 4/22/2011 13:45 | 11.92  | 41.26  | 26.39        | 8.77    | 7.87 | 8.1               | 2.22            | 95.9 |
| 686      | 4/22/2011 14:00 | 11.78  | 41.98  | 26.89        | 8.76    | 7.87 | 7.4               | 2.31            | 95.8 |
| 687      | 4/22/2011 14:15 | 11.53  | 42.64  | 27.35        | 8.64    | 7.86 | 10.6              | 2.41            | 94.2 |
| 688      | 4/22/2011 14:30 | 11.54  | 42.81  | 27.47        | 8.65    | 7.86 | 11.4              | 2.51            | 94.4 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 689      | 4/22/2011 14:45 | 11.49  | 42.84  | 27.49        | 8.66    | 7.86 | 12.5              | 2.59            | 94.5  |
| 690      | 4/22/2011 15:00 | 11.53  | 43.00  | 27.61        | 8.75    | 7.87 | 13.7              | 2.66            | 95.6  |
| 691      | 4/22/2011 15:15 | 11.53  | 43.10  | 27.68        | 8.79    | 7.87 | 12.7              | 2.74            | 96.1  |
| 692      | 4/22/2011 15:30 | 11.40  | 43.40  | 27.89        | 8.75    | 7.87 | 13.2              | 2.82            | 95.5  |
| 693      | 4/22/2011 15:45 | 11.04  | 44.42  | 28.60        | 8.58    | 7.86 | 16.8              | 2.88            | 93.4  |
| 694      | 4/22/2011 16:00 | 10.99  | 44.90  | 28.93        | 8.60    | 7.86 | 12.3              | 2.95            | 93.6  |
| 695      | 4/22/2011 16:15 | 10.96  | 45.28  | 29.20        | 8.61    | 7.87 | 11.5              | 3.01            | 93.9  |
| 696      | 4/22/2011 16:30 | 10.91  | 45.62  | 29.44        | 8.61    | 7.87 | 8.3               | 3.06            | 93.9  |
| 697      | 4/22/2011 16:45 | 10.88  | 45.76  | 29.54        | 8.61    | 7.87 | 7.4               | 3.10            | 93.9  |
| 698      | 4/22/2011 17:00 | 10.89  | 45.69  | 29.49        | 8.60    | 7.87 | 6.3               | 3.14            | 93.8  |
| 699      | 4/22/2011 17:15 | 10.89  | 45.68  | 29.48        | 8.57    | 7.87 | 5.3               | 3.15            | 93.4  |
| 700      | 4/22/2011 17:30 | 10.84  | 46.31  | 29.93        | 8.48    | 7.86 | 6.3               | 3.15            | 92.7  |
| 701      | 4/22/2011 17:45 | 10.81  | 46.19  | 29.85        | 8.47    | 7.86 | 5.6               | 3.14            | 92.4  |
| 702      | 4/22/2011 18:00 | 10.90  | 46.12  | 29.80        | 8.49    | 7.87 | 6.5               | 3.09            | 92.8  |
| 703      | 4/22/2011 18:15 | 11.28  | 45.28  | 29.22        | 8.71    | 7.88 | 6.7               | 3.05            | 95.6  |
| 704      | 4/22/2011 18:30 | 11.35  | 45.10  | 29.10        | 8.68    | 7.88 | 6.1               | 2.99            | 95.4  |
| 705      | 4/22/2011 18:45 | 11.50  | 44.64  | 28.77        | 8.77    | 7.89 | 7.6               | 2.92            | 96.5  |
| 706      | 4/22/2011 19:00 | 11.50  | 44.35  | 28.56        | 8.71    | 7.88 | 6.8               | 2.86            | 95.6  |
| 707      | 4/22/2011 19:15 | 11.45  | 44.14  | 28.42        | 8.74    | 7.88 | 7.5               | 2.79            | 95.8  |
| 708      | 4/22/2011 19:30 | 11.84  | 43.47  | 27.95        | 8.99    | 7.90 | 6.4               | 2.72            | 99.1  |
| 709      | 4/22/2011 19:45 | 12.00  | 43.23  | 27.79        | 9.12    | 7.91 | 5.8               | 2.64            | 100.8 |
| 710      | 4/22/2011 20:00 | 12.02  | 43.14  | 27.73        | 9.13    | 7.91 | 5.8               | 2.58            | 100.8 |
| 711      | 4/22/2011 20:15 | 12.01  | 43.19  | 27.76        | 9.15    | 7.91 | 5.7               | 2.53            | 101.1 |
| 712      | 4/22/2011 20:30 | 12.10  | 42.85  | 27.52        | 9.17    | 7.91 | 6.0               | 2.48            | 101.3 |
| 713      | 4/22/2011 20:45 | 12.24  | 42.51  | 27.28        | 9.22    | 7.92 | 5.4               | 2.43            | 102.1 |
| 714      | 4/22/2011 21:00 | 12.29  | 42.27  | 27.12        | 9.20    | 7.92 | 5.2               | 2.38            | 101.8 |
| 715      | 4/22/2011 21:15 | 12.30  | 42.12  | 27.01        | 9.17    | 7.91 | 5.2               | 2.35            | 101.5 |
| 716      | 4/22/2011 21:30 | 12.32  | 42.04  | 26.95        | 9.19    | 7.91 | 5.3               | 2.33            | 101.7 |
| 717      | 4/22/2011 21:45 | 12.15  | 42.37  | 27.18        | 9.16    | 7.91 | 5.3               | 2.30            | 101.1 |
| 718      | 4/22/2011 22:00 | 12.26  | 42.35  | 27.17        | 8.96    | 7.90 | 4.3               | 2.29            | 99.2  |
| 719      | 4/22/2011 22:15 | 12.27  | 42.10  | 27.00        | 9.13    | 7.91 | 6.2               | 2.29            | 100.9 |
| 720      | 4/22/2011 22:30 | 12.33  | 41.74  | 26.74        | 9.20    | 7.91 | 5.3               | 2.32            | 101.7 |
| 721      | 4/22/2011 22:45 | 12.22  | 42.35  | 27.17        | 9.10    | 7.91 | 5.9               | 2.34            | 100.6 |
| 722      | 4/22/2011 23:00 | 12.13  | 42.61  | 27.35        | 8.99    | 7.89 | 6.2               | 2.37            | 99.3  |
| 723      | 4/22/2011 23:15 | 12.15  | 42.62  | 27.36        | 9.04    | 7.90 | 6.2               | 2.42            | 99.9  |
| 724      | 4/22/2011 23:30 | 12.25  | 42.22  | 27.08        | 9.18    | 7.91 | 6.2               | 2.47            | 101.5 |
| 725      | 4/22/2011 23:45 | 12.01  | 43.01  | 27.63        | 9.00    | 7.89 | 6.3               | 2.53            | 99.3  |
| 726      | 4/23/2011 0:00  | 11.97  | 43.07  | 27.67        | 9.04    | 7.90 | 6.2               | 2.59            | 99.7  |
| 727      | 4/23/2011 0:15  | 11.82  | 43.62  | 28.06        | 8.91    | 7.89 | 5.9               | 2.65            | 98.3  |
| 728      | 4/23/2011 0:30  | 11.77  | 43.84  | 28.21        | 8.89    | 7.88 | 5.2               | 2.72            | 98.0  |
| 729      | 4/23/2011 0:45  | 11.70  | 43.57  | 28.02        | 8.96    | 7.89 | 5.4               | 2.79            | 98.5  |
| 730      | 4/23/2011 1:00  | 11.52  | 44.21  | 28.47        | 8.87    | 7.88 | 5.2               | 2.86            | 97.4  |
| 731      | 4/23/2011 1:15  | 11.48  | 44.11  | 28.39        | 8.85    | 7.88 | 6.0               | 2.93            | 97.1  |
| 732      | 4/23/2011 1:30  | 11.40  | 44.22  | 28.47        | 8.86    | 7.88 | 5.6               | 3.00            | 97.1  |
| 733      | 4/23/2011 1:45  | 11.08  | 45.08  | 29.07        | 8.69    | 7.87 | 4.6               | 3.07            | 94.9  |
| 734      | 4/23/2011 2:00  | 10.96  | 45.59  | 29.43        | 8.60    | 7.87 | 4.7               | 3.13            | 93.9  |
| 735      | 4/23/2011 2:15  | 10.75  | 46.26  | 29.90        | 8.49    | 7.86 | 4.3               | 3.20            | 92.6  |
| 736      | 4/23/2011 2:30  | 10.61  | 46.75  | 30.24        | 8.36    | 7.85 | 5.0               | 3.27            | 91.1  |
| 737      | 4/23/2011 2:45  | 10.52  | 46.67  | 30.17        | 8.35    | 7.85 | 5.3               | 3.33            | 90.8  |
| 738      | 4/23/2011 3:00  | 10.48  | 46.74  | 30.23        | 8.37    | 7.85 | 4.9               | 3.39            | 90.9  |
| 739      | 4/23/2011 3:15  | 10.43  | 46.85  | 30.30        | 8.39    | 7.85 | 4.6               | 3.43            | 91.1  |
| 740      | 4/23/2011 3:30  | 10.39  | 46.88  | 30.32        | 8.38    | 7.85 | 4.5               | 3.48            | 90.8  |
| 741      | 4/23/2011 3:45  | 10.35  | 47.03  | 30.43        | 8.36    | 7.85 | 4.1               | 3.52            | 90.6  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 742      | 4/23/2011 4:00  | 10.34  | 47.15  | 30.51        | 8.32    | 7.85 | 3.6               | 3.53            | 90.3 |
| 743      | 4/23/2011 4:15  | 10.43  | 46.87  | 30.31        | 8.31    | 7.85 | 3.8               | 3.54            | 90.2 |
| 744      | 4/23/2011 4:30  | 10.37  | 47.03  | 30.43        | 8.24    | 7.85 | 5.1               | 3.53            | 89.4 |
| 745      | 4/23/2011 4:45  | 10.35  | 47.07  | 30.45        | 8.27    | 7.85 | 4.2               | 3.51            | 89.7 |
| 746      | 4/23/2011 5:00  | 10.37  | 46.98  | 30.39        | 8.24    | 7.85 | 4.2               | 3.46            | 89.4 |
| 747      | 4/23/2011 5:15  | 10.92  | 45.17  | 29.12        | 8.41    | 7.85 | 5.4               | 3.40            | 91.6 |
| 748      | 4/23/2011 5:30  | 10.76  | 45.57  | 29.40        | 8.37    | 7.85 | 7.2               | 3.33            | 91.0 |
| 749      | 4/23/2011 5:45  | 11.06  | 44.47  | 28.63        | 8.46    | 7.86 | 5.5               | 3.24            | 92.1 |
| 750      | 4/23/2011 6:00  | 11.03  | 45.03  | 29.03        | 8.47    | 7.86 | 6.5               | 3.14            | 92.4 |
| 751      | 4/23/2011 6:15  | 11.18  | 44.25  | 28.48        | 8.57    | 7.86 | 4.9               | 3.05            | 93.4 |
| 752      | 4/23/2011 6:30  | 11.13  | 44.73  | 28.82        | 8.47    | 7.86 | 9.1               | 2.95            | 92.5 |
| 753      | 4/23/2011 6:45  | 11.21  | 44.66  | 28.78        | 8.52    | 7.86 | 8.5               | 2.84            | 93.1 |
| 754      | 4/23/2011 7:00  | 11.29  | 44.13  | 28.40        | 8.46    | 7.86 | 6.0               | 2.73            | 92.4 |
| 755      | 4/23/2011 7:15  | 11.39  | 43.70  | 28.10        | 8.57    | 7.86 | 5.7               | 2.64            | 93.6 |
| 756      | 4/23/2011 7:30  | 11.47  | 43.65  | 28.06        | 8.61    | 7.87 | 6.0               | 2.52            | 94.3 |
| 757      | 4/23/2011 7:45  | 11.70  | 43.03  | 27.63        | 8.68    | 7.88 | 6.8               | 2.40            | 95.2 |
| 758      | 4/23/2011 8:00  | 11.89  | 42.57  | 27.32        | 8.71    | 7.88 | 10.3              | 2.28            | 95.7 |
| 759      | 4/23/2011 8:15  | 11.96  | 42.26  | 27.10        | 8.76    | 7.89 | 6.9               | 2.16            | 96.3 |
| 760      | 4/23/2011 8:30  | 11.91  | 42.59  | 27.33        | 8.78    | 7.89 | 7.0               | 2.04            | 96.5 |
| 761      | 4/23/2011 8:45  | 11.98  | 42.37  | 27.17        | 8.78    | 7.89 | 6.7               | 1.91            | 96.6 |
| 762      | 4/23/2011 9:00  | 12.06  | 42.23  | 27.08        | 8.86    | 7.89 | 6.4               | 1.79            | 97.5 |
| 763      | 4/23/2011 9:15  | 12.18  | 41.99  | 26.91        | 8.92    | 7.90 | 6.3               | 1.67            | 98.4 |
| 764      | 4/23/2011 9:30  | 12.31  | 41.65  | 26.68        | 8.91    | 7.90 | 6.2               | 1.55            | 98.4 |
| 765      | 4/23/2011 9:45  | 12.42  | 41.70  | 26.71        | 8.89    | 7.91 | 6.1               | 1.46            | 98.5 |
| 766      | 4/23/2011 10:00 | 12.48  | 41.63  | 26.67        | 8.91    | 7.91 | 5.7               | 1.37            | 98.8 |
| 767      | 4/23/2011 10:15 | 12.54  | 41.47  | 26.56        | 8.90    | 7.91 | 5.8               | 1.31            | 98.8 |
| 768      | 4/23/2011 10:30 | 12.54  | 41.49  | 26.57        | 8.87    | 7.91 | 5.4               | 1.27            | 98.4 |
| 769      | 4/23/2011 10:45 | 12.35  | 41.35  | 26.47        | 8.74    | 7.90 | 4.8               | 1.25            | 96.5 |
| 770      | 4/23/2011 11:00 | 12.26  | 41.91  | 26.86        | 8.68    | 7.89 | 4.8               | 1.26            | 95.9 |
| 771      | 4/23/2011 11:15 | 12.41  | 41.85  | 26.82        | 8.86    | 7.90 | 5.8               | 1.29            | 98.1 |
| 772      | 4/23/2011 11:30 | 12.38  | 41.83  | 26.81        | 8.90    | 7.90 | 5.0               | 1.32            | 98.5 |
| 773      | 4/23/2011 11:45 | 12.50  | 41.80  | 26.79        | 8.90    | 7.90 | 4.9               | 1.37            | 98.8 |
| 774      | 4/23/2011 12:00 | 12.45  | 41.88  | 26.85        | 8.85    | 7.90 | 4.8               | 1.44            | 98.1 |
| 775      | 4/23/2011 12:15 | 12.51  | 41.51  | 26.58        | 8.87    | 7.90 | 4.9               | 1.50            | 98.4 |
| 776      | 4/23/2011 12:30 | 12.35  | 41.32  | 26.44        | 8.83    | 7.88 | 5.5               | 1.56            | 97.5 |
| 777      | 4/23/2011 12:45 | 12.31  | 41.32  | 26.44        | 8.81    | 7.88 | 5.6               | 1.63            | 97.1 |
| 778      | 4/23/2011 13:00 | 12.23  | 41.52  | 26.58        | 8.75    | 7.88 | 5.1               | 1.70            | 96.5 |
| 779      | 4/23/2011 13:15 | 12.17  | 41.79  | 26.77        | 8.68    | 7.87 | 4.7               | 1.77            | 95.6 |
| 780      | 4/23/2011 13:30 | 12.04  | 42.12  | 27.00        | 8.67    | 7.87 | 5.2               | 1.85            | 95.4 |
| 781      | 4/23/2011 13:45 | 11.89  | 42.63  | 27.36        | 8.63    | 7.86 | 5.6               | 1.93            | 94.9 |
| 782      | 4/23/2011 14:00 | 11.86  | 42.80  | 27.48        | 8.65    | 7.87 | 5.3               | 2.02            | 95.1 |
| 783      | 4/23/2011 14:15 | 11.75  | 43.22  | 27.77        | 8.60    | 7.86 | 5.6               | 2.10            | 94.5 |
| 784      | 4/23/2011 14:30 | 11.79  | 43.16  | 27.73        | 8.65    | 7.87 | 5.7               | 2.19            | 95.2 |
| 785      | 4/23/2011 14:45 | 11.97  | 42.83  | 27.50        | 8.71    | 7.87 | 5.4               | 2.28            | 96.0 |
| 786      | 4/23/2011 15:00 | 12.00  | 42.96  | 27.59        | 8.74    | 7.87 | 5.4               | 2.37            | 96.4 |
| 787      | 4/23/2011 15:15 | 11.95  | 43.25  | 27.80        | 8.66    | 7.87 | 5.1               | 2.45            | 95.6 |
| 788      | 4/23/2011 15:30 | 11.64  | 43.95  | 28.28        | 8.59    | 7.86 | 6.0               | 2.52            | 94.4 |
| 789      | 4/23/2011 15:45 | 11.61  | 44.11  | 28.40        | 8.59    | 7.87 | 5.7               | 2.60            | 94.5 |
| 790      | 4/23/2011 16:00 | 11.59  | 44.24  | 28.49        | 8.64    | 7.87 | 6.4               | 2.66            | 95.0 |
| 791      | 4/23/2011 16:15 | 11.50  | 44.40  | 28.60        | 8.62    | 7.87 | 5.9               | 2.74            | 94.7 |
| 792      | 4/23/2011 16:30 | 11.48  | 44.46  | 28.65        | 8.62    | 7.86 | 5.9               | 2.80            | 94.7 |
| 793      | 4/23/2011 16:45 | 11.42  | 44.64  | 28.77        | 8.61    | 7.86 | 6.2               | 2.86            | 94.6 |
| 794      | 4/23/2011 17:00 | 11.14  | 45.27  | 29.20        | 8.51    | 7.86 | 8.1               | 2.92            | 93.1 |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 795      | 4/23/2011 17:15 | 11.02  | 45.81  | 29.59        | 8.52    | 7.86 | 6.3               | 2.97            | 93.2 |
| 796      | 4/23/2011 17:30 | 11.00  | 45.68  | 29.49        | 8.62    | 7.87 | 5.6               | 3.02            | 94.2 |
| 797      | 4/23/2011 17:45 | 10.99  | 45.83  | 29.60        | 8.66    | 7.87 | 4.3               | 3.06            | 94.8 |
| 798      | 4/23/2011 18:00 | 10.98  | 45.95  | 29.68        | 8.68    | 7.88 | 3.8               | 3.09            | 94.9 |
| 799      | 4/23/2011 18:15 | 11.00  | 45.86  | 29.62        | 8.62    | 7.87 | 3.7               | 3.10            | 94.3 |
| 800      | 4/23/2011 18:30 | 10.95  | 46.01  | 29.73        | 8.54    | 7.87 | 4.1               | 3.10            | 93.4 |
| 801      | 4/23/2011 18:45 | 11.00  | 45.78  | 29.56        | 8.54    | 7.87 | 4.1               | 3.09            | 93.4 |
| 802      | 4/23/2011 19:00 | 11.29  | 44.98  | 29.00        | 8.64    | 7.88 | 3.6               | 3.05            | 94.8 |
| 803      | 4/23/2011 19:15 | 11.26  | 45.05  | 29.05        | 8.57    | 7.87 | 3.5               | 3.02            | 93.9 |
| 804      | 4/23/2011 19:30 | 11.63  | 44.44  | 28.63        | 8.59    | 7.88 | 5.6               | 2.96            | 94.7 |
| 805      | 4/23/2011 19:45 | 11.77  | 43.89  | 28.25        | 8.72    | 7.88 | 6.3               | 2.90            | 96.1 |
| 806      | 4/23/2011 20:00 | 11.64  | 44.23  | 28.49        | 8.68    | 7.88 | 5.1               | 2.85            | 95.6 |
| 807      | 4/23/2011 20:15 | 11.64  | 44.09  | 28.39        | 8.64    | 7.87 | 4.8               | 2.77            | 95.1 |
| 808      | 4/23/2011 20:30 | 11.73  | 43.84  | 28.21        | 8.66    | 7.88 | 4.8               | 2.72            | 95.4 |
| 809      | 4/23/2011 20:45 | 11.95  | 43.23  | 27.79        | 8.80    | 7.89 | 4.8               | 2.66            | 97.1 |
| 810      | 4/23/2011 21:00 | 11.98  | 42.91  | 27.56        | 8.84    | 7.89 | 4.2               | 2.61            | 97.5 |
| 811      | 4/23/2011 21:15 | 12.02  | 43.11  | 27.70        | 8.83    | 7.89 | 4.2               | 2.56            | 97.6 |
| 812      | 4/23/2011 21:30 | 12.07  | 42.63  | 27.36        | 8.87    | 7.89 | 4.1               | 2.52            | 97.9 |
| 813      | 4/23/2011 21:45 | 12.10  | 42.65  | 27.38        | 8.84    | 7.89 | 4.1               | 2.47            | 97.7 |
| 814      | 4/23/2011 22:00 | 12.17  | 42.48  | 27.26        | 8.88    | 7.89 | 4.0               | 2.43            | 98.1 |
| 815      | 4/23/2011 22:15 | 12.19  | 42.44  | 27.23        | 8.87    | 7.89 | 4.1               | 2.40            | 98.1 |
| 816      | 4/23/2011 22:30 | 12.23  | 42.47  | 27.26        | 8.86    | 7.90 | 3.9               | 2.37            | 98.0 |
| 817      | 4/23/2011 22:45 | 12.33  | 42.03  | 26.94        | 8.96    | 7.90 | 4.0               | 2.35            | 99.2 |
| 818      | 4/23/2011 23:00 | 12.35  | 42.21  | 27.08        | 8.96    | 7.90 | 3.8               | 2.34            | 99.3 |
| 819      | 4/23/2011 23:15 | 12.20  | 42.36  | 27.18        | 8.82    | 7.89 | 3.8               | 2.34            | 97.5 |
| 820      | 4/23/2011 23:30 | 12.06  | 42.70  | 27.42        | 8.79    | 7.88 | 3.8               | 2.34            | 97.0 |
| 821      | 4/23/2011 23:45 | 12.06  | 42.50  | 27.27        | 8.78    | 7.88 | 4.5               | 2.35            | 96.9 |
| 822      | 4/24/2011 0:00  | 12.11  | 42.52  | 27.29        | 8.83    | 7.88 | 5.2               | 2.39            | 97.5 |
| 823      | 4/24/2011 0:15  | 11.96  | 43.02  | 27.63        | 8.68    | 7.88 | 5.0               | 2.42            | 95.8 |
| 824      | 4/24/2011 0:30  | 12.00  | 42.79  | 27.47        | 8.78    | 7.88 | 4.8               | 2.47            | 96.8 |
| 825      | 4/24/2011 0:45  | 11.77  | 43.36  | 27.87        | 8.63    | 7.86 | 5.1               | 2.52            | 95.0 |
| 826      | 4/24/2011 1:00  | 11.82  | 43.32  | 27.84        | 8.70    | 7.87 | 4.6               | 2.57            | 95.8 |
| 827      | 4/24/2011 1:15  | 11.72  | 43.58  | 28.03        | 8.71    | 7.88 | 4.5               | 2.62            | 95.8 |
| 828      | 4/24/2011 1:30  | 11.65  | 43.84  | 28.21        | 8.69    | 7.87 | 3.8               | 2.69            | 95.6 |
| 829      | 4/24/2011 1:45  | 11.68  | 43.69  | 28.10        | 8.76    | 7.88 | 4.0               | 2.75            | 96.3 |
| 830      | 4/24/2011 2:00  | 11.62  | 43.83  | 28.20        | 8.75    | 7.88 | 4.0               | 2.80            | 96.1 |
| 831      | 4/24/2011 2:15  | 11.40  | 44.66  | 28.78        | 8.65    | 7.88 | 3.8               | 2.86            | 94.9 |
| 832      | 4/24/2011 2:30  | 11.20  | 45.18  | 29.14        | 8.63    | 7.87 | 3.4               | 2.92            | 94.6 |
| 833      | 4/24/2011 2:45  | 11.21  | 45.24  | 29.19        | 8.63    | 7.87 | 3.3               | 2.98            | 94.6 |
| 834      | 4/24/2011 3:00  | 11.05  | 45.69  | 29.50        | 8.60    | 7.87 | 3.5               | 3.04            | 94.1 |
| 835      | 4/24/2011 3:15  | 10.97  | 45.88  | 29.63        | 8.55    | 7.87 | 3.0               | 3.10            | 93.6 |
| 836      | 4/24/2011 3:30  | 10.90  | 46.14  | 29.82        | 8.52    | 7.87 | 3.5               | 3.15            | 93.1 |
| 837      | 4/24/2011 3:45  | 10.92  | 45.93  | 29.67        | 8.56    | 7.88 | 2.9               | 3.21            | 93.6 |
| 838      | 4/24/2011 4:00  | 10.83  | 46.52  | 30.09        | 8.51    | 7.87 | 2.8               | 3.26            | 93.1 |
| 839      | 4/24/2011 4:15  | 10.71  | 46.62  | 30.15        | 8.46    | 7.87 | 3.1               | 3.30            | 92.3 |
| 840      | 4/24/2011 4:30  | 10.74  | 46.61  | 30.14        | 8.46    | 7.87 | 3.3               | 3.33            | 92.4 |
| 841      | 4/24/2011 4:45  | 10.74  | 46.45  | 30.03        | 8.49    | 7.87 | 3.1               | 3.36            | 92.6 |
| 842      | 4/24/2011 5:00  | 10.74  | 46.39  | 29.99        | 8.50    | 7.87 | 2.4               | 3.38            | 92.7 |
| 843      | 4/24/2011 5:15  | 10.70  | 46.48  | 30.05        | 8.29    | 7.86 | 4.0               | 3.38            | 90.4 |
| 844      | 4/24/2011 5:30  | 10.68  | 46.81  | 30.28        | 8.28    | 7.86 | 4.0               | 3.36            | 90.3 |
| 845      | 4/24/2011 5:45  | 10.72  | 46.72  | 30.22        | 8.35    | 7.87 | 3.2               | 3.32            | 91.1 |
| 846      | 4/24/2011 6:00  | 10.86  | 46.50  | 30.07        | 8.36    | 7.86 | 3.7               | 3.30            | 91.5 |
| 847      | 4/24/2011 6:15  | 11.09  | 45.21  | 29.16        | 8.41    | 7.86 | 4.0               | 3.24            | 92.0 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 848      | 4/24/2011 6:30  | 11.23  | 45.28  | 29.22        | 8.42    | 7.86 | 4.5               | 3.16            | 92.3  |
| 849      | 4/24/2011 6:45  | 11.29  | 45.12  | 29.11        | 8.44    | 7.86 | 5.4               | 3.09            | 92.6  |
| 850      | 4/24/2011 7:00  | 11.29  | 45.34  | 29.27        | 8.47    | 7.86 | 6.3               | 3.02            | 93.0  |
| 851      | 4/24/2011 7:15  | 11.46  | 44.36  | 28.57        | 8.52    | 7.86 | 4.8               | 2.93            | 93.5  |
| 852      | 4/24/2011 7:30  | 11.46  | 43.80  | 28.17        | 8.54    | 7.86 | 4.7               | 2.84            | 93.5  |
| 853      | 4/24/2011 7:45  | 11.49  | 43.92  | 28.26        | 8.52    | 7.86 | 5.1               | 2.76            | 93.4  |
| 854      | 4/24/2011 8:00  | 11.52  | 43.82  | 28.19        | 8.56    | 7.87 | 4.2               | 2.67            | 93.9  |
| 855      | 4/24/2011 8:15  | 11.61  | 43.53  | 27.99        | 8.61    | 7.87 | 4.0               | 2.58            | 94.5  |
| 856      | 4/24/2011 8:30  | 11.73  | 43.65  | 28.08        | 8.64    | 7.88 | 4.2               | 2.47            | 95.1  |
| 857      | 4/24/2011 8:45  | 11.92  | 43.22  | 27.78        | 8.68    | 7.88 | 4.8               | 2.37            | 95.7  |
| 858      | 4/24/2011 9:00  | 12.11  | 42.57  | 27.32        | 8.74    | 7.89 | 5.3               | 2.28            | 96.6  |
| 859      | 4/24/2011 9:15  | 12.12  | 42.63  | 27.36        | 8.89    | 7.91 | 4.8               | 2.17            | 98.3  |
| 860      | 4/24/2011 9:30  | 12.27  | 42.54  | 27.31        | 9.01    | 7.91 | 4.8               | 2.06            | 99.8  |
| 861      | 4/24/2011 9:45  | 12.35  | 42.15  | 27.04        | 9.07    | 7.92 | 5.1               | 1.97            | 100.5 |
| 862      | 4/24/2011 10:00 | 12.45  | 42.07  | 26.98        | 9.08    | 7.92 | 4.6               | 1.86            | 100.8 |
| 863      | 4/24/2011 10:15 | 12.52  | 42.03  | 26.95        | 9.16    | 7.92 | 4.4               | 1.75            | 101.8 |
| 864      | 4/24/2011 10:30 | 12.66  | 41.81  | 26.80        | 9.14    | 7.93 | 4.3               | 1.66            | 101.8 |
| 865      | 4/24/2011 10:45 | 12.79  | 41.61  | 26.67        | 9.17    | 7.93 | 4.3               | 1.59            | 102.3 |
| 866      | 4/24/2011 11:00 | 12.80  | 41.57  | 26.63        | 9.08    | 7.93 | 4.4               | 1.53            | 101.3 |
| 867      | 4/24/2011 11:15 | 12.72  | 41.62  | 26.67        | 8.95    | 7.92 | 3.8               | 1.46            | 99.8  |
| 868      | 4/24/2011 11:30 | 12.64  | 41.90  | 26.87        | 8.80    | 7.91 | 3.7               | 1.44            | 97.9  |
| 869      | 4/24/2011 11:45 | 12.90  | 42.11  | 27.02        | 9.00    | 7.93 | 3.8               | 1.43            | 100.8 |
| 870      | 4/24/2011 12:00 | 12.96  | 42.24  | 27.11        | 9.15    | 7.93 | 3.7               | 1.42            | 102.7 |
| 871      | 4/24/2011 12:15 | 12.65  | 42.23  | 27.10        | 9.03    | 7.92 | 4.5               | 1.44            | 100.7 |
| 872      | 4/24/2011 12:30 | 12.71  | 42.02  | 26.95        | 9.10    | 7.92 | 4.2               | 1.47            | 101.5 |
| 873      | 4/24/2011 12:45 | 12.63  | 42.09  | 27.00        | 8.96    | 7.91 | 4.0               | 1.52            | 99.8  |
| 874      | 4/24/2011 13:00 | 13.46  | 41.89  | 26.88        | 9.08    | 7.92 | 3.9               | 1.56            | 102.9 |
| 875      | 4/24/2011 13:15 | 12.61  | 41.92  | 26.88        | 8.82    | 7.90 | 3.6               | 1.62            | 98.1  |
| 876      | 4/24/2011 13:30 | 12.65  | 41.68  | 26.71        | 8.79    | 7.90 | 4.0               | 1.68            | 97.8  |
| 877      | 4/24/2011 13:45 | 12.66  | 41.94  | 26.89        | 8.87    | 7.90 | 4.0               | 1.73            | 98.8  |
| 878      | 4/24/2011 14:00 | 12.60  | 41.94  | 26.89        | 8.89    | 7.90 | 4.2               | 1.81            | 98.9  |
| 879      | 4/24/2011 14:15 | 12.53  | 41.83  | 26.81        | 8.81    | 7.89 | 3.7               | 1.88            | 97.8  |
| 880      | 4/24/2011 14:30 | 12.46  | 41.79  | 26.78        | 8.71    | 7.89 | 3.5               | 1.95            | 96.6  |
| 881      | 4/24/2011 14:45 | 12.39  | 42.00  | 26.93        | 8.81    | 7.89 | 4.1               | 2.02            | 97.6  |
| 882      | 4/24/2011 15:00 | 12.33  | 42.13  | 27.02        | 8.85    | 7.89 | 4.0               | 2.08            | 98.0  |
| 883      | 4/24/2011 15:15 | 12.29  | 42.32  | 27.15        | 8.80    | 7.89 | 3.9               | 2.18            | 97.5  |
| 884      | 4/24/2011 15:30 | 12.34  | 42.48  | 27.27        | 8.76    | 7.89 | 4.2               | 2.26            | 97.2  |
| 885      | 4/24/2011 15:45 | 12.81  | 42.47  | 27.28        | 8.96    | 7.90 | 4.1               | 2.33            | 100.4 |
| 886      | 4/24/2011 16:00 | 12.20  | 43.18  | 27.76        | 8.83    | 7.89 | 3.5               | 2.41            | 97.9  |
| 887      | 4/24/2011 16:15 | 11.80  | 43.65  | 28.08        | 8.62    | 7.87 | 4.1               | 2.48            | 95.0  |
| 888      | 4/24/2011 16:30 | 11.76  | 44.32  | 28.55        | 8.60    | 7.87 | 5.6               | 2.55            | 95.0  |
| 889      | 4/24/2011 16:45 | 11.70  | 43.85  | 28.21        | 8.59    | 7.87 | 4.2               | 2.62            | 94.5  |
| 890      | 4/24/2011 17:00 | 11.69  | 43.96  | 28.29        | 8.58    | 7.87 | 3.5               | 2.69            | 94.5  |
| 891      | 4/24/2011 17:15 | 11.69  | 44.41  | 28.62        | 8.57    | 7.87 | 3.4               | 2.75            | 94.5  |
| 892      | 4/24/2011 17:30 | 11.71  | 44.03  | 28.34        | 8.61    | 7.87 | 3.8               | 2.82            | 94.9  |
| 893      | 4/24/2011 17:45 | 11.71  | 44.85  | 28.93        | 8.60    | 7.87 | 5.4               | 2.86            | 95.2  |
| 894      | 4/24/2011 18:00 | 11.69  | 44.32  | 28.55        | 8.63    | 7.88 | 4.0               | 2.93            | 95.2  |
| 895      | 4/24/2011 18:15 | 11.69  | 44.50  | 28.68        | 8.66    | 7.88 | 3.5               | 2.99            | 95.6  |
| 896      | 4/24/2011 18:30 | 11.43  | 45.28  | 29.23        | 8.61    | 7.88 | 3.7               | 3.02            | 94.8  |
| 897      | 4/24/2011 18:45 | 11.45  | 44.99  | 29.02        | 8.62    | 7.88 | 3.8               | 3.07            | 94.9  |
| 898      | 4/24/2011 19:00 | 11.41  | 45.70  | 29.52        | 8.59    | 7.88 | 2.9               | 3.10            | 94.7  |
| 899      | 4/24/2011 19:15 | 11.48  | 45.69  | 29.52        | 8.68    | 7.89 | 3.2               | 3.12            | 95.9  |
| 900      | 4/24/2011 19:30 | 11.39  | 45.92  | 29.68        | 8.47    | 7.87 | 2.9               | 3.12            | 93.5  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 901      | 4/24/2011 19:45 | 11.37  | 45.70  | 29.52        | 8.48    | 7.87 | 2.8               | 3.12            | 93.4  |
| 902      | 4/24/2011 20:00 | 11.36  | 45.54  | 29.41        | 8.53    | 7.88 | 3.4               | 3.11            | 93.9  |
| 903      | 4/24/2011 20:15 | 11.46  | 45.05  | 29.06        | 8.51    | 7.87 | 3.8               | 3.06            | 93.7  |
| 904      | 4/24/2011 20:30 | 11.73  | 44.63  | 28.77        | 8.56    | 7.88 | 3.5               | 3.02            | 94.7  |
| 905      | 4/24/2011 20:45 | 11.96  | 44.15  | 28.44        | 8.66    | 7.88 | 3.8               | 2.97            | 96.0  |
| 906      | 4/24/2011 21:00 | 12.00  | 43.98  | 28.32        | 8.64    | 7.88 | 4.2               | 2.90            | 95.8  |
| 907      | 4/24/2011 21:15 | 12.01  | 43.91  | 28.27        | 8.64    | 7.88 | 4.5               | 2.84            | 95.8  |
| 908      | 4/24/2011 21:30 | 12.31  | 43.95  | 28.31        | 8.78    | 7.90 | 4.3               | 2.76            | 97.9  |
| 909      | 4/24/2011 21:45 | 12.41  | 43.77  | 28.18        | 8.81    | 7.90 | 4.5               | 2.73            | 98.4  |
| 910      | 4/24/2011 22:00 | 12.45  | 43.40  | 27.93        | 8.81    | 7.90 | 3.9               | 2.69            | 98.3  |
| 911      | 4/24/2011 22:15 | 12.48  | 43.36  | 27.90        | 8.79    | 7.89 | 3.9               | 2.58            | 98.2  |
| 912      | 4/24/2011 22:30 | 12.56  | 42.96  | 27.62        | 8.83    | 7.90 | 4.3               | 2.56            | 98.6  |
| 913      | 4/24/2011 22:45 | 12.63  | 42.81  | 27.51        | 8.88    | 7.90 | 3.7               | 2.54            | 99.3  |
| 914      | 4/24/2011 23:00 | 12.67  | 42.56  | 27.34        | 8.92    | 7.90 | 3.7               | 2.49            | 99.7  |
| 915      | 4/24/2011 23:15 | 12.60  | 42.72  | 27.45        | 8.84    | 7.90 | 3.6               | 2.43            | 98.7  |
| 916      | 4/24/2011 23:30 | 12.67  | 42.63  | 27.38        | 8.87    | 7.90 | 3.8               | 2.43            | 99.1  |
| 917      | 4/24/2011 23:45 | 12.83  | 42.22  | 27.10        | 8.97    | 7.91 | 3.4               | 2.40            | 100.5 |
| 918      | 4/25/2011 0:00  | 12.57  | 43.23  | 27.81        | 8.66    | 7.89 | 3.1               | 2.36            | 96.8  |
| 919      | 4/25/2011 0:15  | 12.69  | 42.54  | 27.32        | 8.75    | 7.90 | 4.0               | 2.34            | 97.8  |
| 920      | 4/25/2011 0:30  | 12.65  | 42.81  | 27.51        | 8.82    | 7.90 | 4.3               | 2.38            | 98.7  |
| 921      | 4/25/2011 0:45  | 12.59  | 42.85  | 27.54        | 8.79    | 7.89 | 6.3               | 2.37            | 98.2  |
| 922      | 4/25/2011 1:00  | 12.51  | 42.88  | 27.56        | 8.71    | 7.88 | 5.1               | 2.39            | 97.2  |
| 923      | 4/25/2011 1:15  | 12.52  | 43.09  | 27.71        | 8.73    | 7.89 | 4.6               | 2.40            | 97.5  |
| 924      | 4/25/2011 1:30  | 12.58  | 42.78  | 27.49        | 8.79    | 7.89 | 4.3               | 2.44            | 98.1  |
| 925      | 4/25/2011 1:45  | 12.54  | 42.84  | 27.53        | 8.79    | 7.89 | 4.2               | 2.48            | 98.1  |
| 926      | 4/25/2011 2:00  | 12.46  | 42.82  | 27.51        | 8.73    | 7.89 | 6.0               | 2.50            | 97.2  |
| 927      | 4/25/2011 2:15  | 12.28  | 43.60  | 28.06        | 8.71    | 7.88 | 5.2               | 2.56            | 97.0  |
| 928      | 4/25/2011 2:30  | 12.20  | 43.56  | 28.03        | 8.68    | 7.88 | 3.8               | 2.58            | 96.4  |
| 929      | 4/25/2011 2:45  | 12.16  | 43.60  | 28.06        | 8.70    | 7.88 | 5.6               | 2.64            | 96.6  |
| 930      | 4/25/2011 3:00  | 12.10  | 43.81  | 28.21        | 8.69    | 7.88 | 3.2               | 2.69            | 96.5  |
| 931      | 4/25/2011 3:15  | 12.05  | 44.02  | 28.35        | 8.70    | 7.88 | 3.4               | 2.72            | 96.5  |
| 932      | 4/25/2011 3:30  | 12.01  | 43.94  | 28.30        | 8.73    | 7.88 | 3.2               | 2.78            | 96.7  |
| 933      | 4/25/2011 3:45  | 11.88  | 44.15  | 28.44        | 8.75    | 7.88 | 3.8               | 2.83            | 96.9  |
| 934      | 4/25/2011 4:00  | 11.85  | 44.26  | 28.52        | 8.76    | 7.88 | 3.1               | 2.89            | 96.9  |
| 935      | 4/25/2011 4:15  | 11.81  | 44.31  | 28.55        | 8.77    | 7.88 | 3.8               | 2.94            | 96.9  |
| 936      | 4/25/2011 4:30  | 11.75  | 44.48  | 28.67        | 8.78    | 7.88 | 3.4               | 2.99            | 97.1  |
| 937      | 4/25/2011 4:45  | 11.66  | 45.09  | 29.10        | 8.77    | 7.88 | 3.2               | 3.04            | 97.0  |
| 938      | 4/25/2011 5:00  | 11.46  | 45.38  | 29.30        | 8.69    | 7.88 | 2.9               | 3.10            | 95.8  |
| 939      | 4/25/2011 5:15  | 11.37  | 45.87  | 29.65        | 8.63    | 7.88 | 2.9               | 3.13            | 95.2  |
| 940      | 4/25/2011 5:30  | 11.32  | 45.88  | 29.65        | 8.60    | 7.88 | 2.4               | 3.17            | 94.8  |
| 941      | 4/25/2011 5:45  | 11.29  | 46.00  | 29.73        | 8.57    | 7.88 | 2.4               | 3.20            | 94.4  |
| 942      | 4/25/2011 6:00  | 11.24  | 46.34  | 29.98        | 8.52    | 7.88 | 2.8               | 3.21            | 94.0  |
| 943      | 4/25/2011 6:15  | 11.34  | 45.94  | 29.70        | 8.47    | 7.88 | 2.5               | 3.21            | 93.4  |
| 944      | 4/25/2011 6:30  | 11.35  | 45.88  | 29.65        | 8.50    | 7.88 | 2.3               | 3.23            | 93.8  |
| 945      | 4/25/2011 6:45  | 11.34  | 46.02  | 29.75        | 8.56    | 7.88 | 2.7               | 3.22            | 94.5  |
| 946      | 4/25/2011 7:00  | 11.40  | 45.78  | 29.58        | 8.52    | 7.88 | 3.4               | 3.17            | 94.0  |
| 947      | 4/25/2011 7:15  | 11.56  | 45.67  | 29.51        | 8.51    | 7.87 | 3.1               | 3.14            | 94.2  |
| 948      | 4/25/2011 7:30  | 11.64  | 44.64  | 28.78        | 8.62    | 7.87 | 3.5               | 3.08            | 95.1  |
| 949      | 4/25/2011 7:45  | 11.64  | 44.93  | 28.99        | 8.58    | 7.87 | 3.7               | 3.03            | 94.8  |
| 950      | 4/25/2011 8:00  | 11.74  | 44.48  | 28.67        | 8.63    | 7.87 | 4.0               | 2.96            | 95.3  |
| 951      | 4/25/2011 8:15  | 11.80  | 44.21  | 28.48        | 8.59    | 7.87 | 4.8               | 2.89            | 94.9  |
| 952      | 4/25/2011 8:30  | 11.90  | 44.07  | 28.38        | 8.60    | 7.86 | 4.9               | 2.82            | 95.2  |
| 953      | 4/25/2011 8:45  | 11.94  | 44.08  | 28.39        | 8.62    | 7.86 | 5.1               | 2.74            | 95.5  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 954      | 4/25/2011 9:00  | 11.97  | 44.01  | 28.34        | 8.71    | 7.87 | 4.5               | 2.67            | 96.5  |
| 955      | 4/25/2011 9:15  | 12.06  | 43.87  | 28.25        | 8.75    | 7.87 | 6.6               | 2.58            | 97.1  |
| 956      | 4/25/2011 9:30  | 12.23  | 43.50  | 27.98        | 8.92    | 7.89 | 4.8               | 2.50            | 99.2  |
| 957      | 4/25/2011 9:45  | 12.37  | 43.32  | 27.86        | 8.97    | 7.90 | 4.5               | 2.40            | 100.0 |
| 958      | 4/25/2011 10:00 | 12.53  | 43.04  | 27.67        | 9.03    | 7.91 | 4.4               | 2.31            | 100.9 |
| 959      | 4/25/2011 10:15 | 12.70  | 42.80  | 27.50        | 9.18    | 7.92 | 4.9               | 2.23            | 102.7 |
| 960      | 4/25/2011 10:30 | 12.82  | 42.57  | 27.35        | 9.19    | 7.92 | 4.8               | 2.14            | 103.0 |
| 961      | 4/25/2011 10:45 | 12.89  | 42.62  | 27.38        | 9.38    | 7.94 | 4.6               | 2.04            | 105.3 |
| 962      | 4/25/2011 11:00 | 13.05  | 42.42  | 27.25        | 9.41    | 7.95 | 5.2               | 1.96            | 106.0 |
| 963      | 4/25/2011 11:15 | 13.20  | 42.29  | 27.16        | 9.50    | 7.96 | 5.6               | 1.87            | 107.3 |
| 964      | 4/25/2011 11:30 | 13.34  | 42.00  | 26.95        | 9.49    | 7.97 | 6.3               | 1.80            | 107.2 |
| 965      | 4/25/2011 11:45 | 13.36  | 42.12  | 27.04        | 9.48    | 7.97 | 5.9               | 1.72            | 107.3 |
| 966      | 4/25/2011 12:00 | 13.35  | 42.30  | 27.17        | 9.47    | 7.97 | 5.2               | 1.66            | 107.2 |
| 967      | 4/25/2011 12:15 | 13.52  | 41.97  | 26.94        | 9.50    | 7.98 | 6.1               | 1.62            | 107.8 |
| 968      | 4/25/2011 12:30 | 13.51  | 41.95  | 26.93        | 9.41    | 7.97 | 7.0               | 1.58            | 106.8 |
| 969      | 4/25/2011 12:45 | 13.28  | 42.21  | 27.10        | 9.28    | 7.94 | 5.1               | 1.58            | 104.9 |
| 970      | 4/25/2011 13:00 | 13.43  | 42.11  | 27.04        | 9.20    | 7.94 | 4.5               | 1.57            | 104.2 |
| 971      | 4/25/2011 13:15 | 13.80  | 41.85  | 26.86        | 9.42    | 7.96 | 4.3               | 1.59            | 107.4 |
| 972      | 4/25/2011 13:30 | 13.38  | 42.09  | 27.02        | 9.24    | 7.94 | 4.3               | 1.63            | 104.6 |
| 973      | 4/25/2011 13:45 | 13.26  | 42.16  | 27.07        | 9.32    | 7.95 | 4.3               | 1.67            | 105.3 |
| 974      | 4/25/2011 14:00 | 13.27  | 41.97  | 26.93        | 9.25    | 7.93 | 4.6               | 1.70            | 104.5 |
| 975      | 4/25/2011 14:15 | 13.09  | 42.18  | 27.08        | 9.13    | 7.93 | 3.8               | 1.76            | 102.7 |
| 976      | 4/25/2011 14:30 | 13.08  | 42.20  | 27.09        | 9.14    | 7.93 | 4.1               | 1.81            | 102.8 |
| 977      | 4/25/2011 14:45 | 13.05  | 42.19  | 27.09        | 9.16    | 7.92 | 3.4               | 1.86            | 103.0 |
| 978      | 4/25/2011 15:00 | 13.03  | 42.18  | 27.07        | 9.10    | 7.92 | 3.7               | 1.92            | 102.3 |
| 979      | 4/25/2011 15:15 | 12.96  | 42.18  | 27.07        | 9.06    | 7.91 | 3.5               | 1.98            | 101.7 |
| 980      | 4/25/2011 15:30 | 12.98  | 42.12  | 27.03        | 9.03    | 7.91 | 3.9               | 2.05            | 101.3 |
| 981      | 4/25/2011 15:45 | 13.07  | 41.95  | 26.91        | 9.16    | 7.92 | 4.3               | 2.11            | 103.0 |
| 982      | 4/25/2011 16:00 | 13.06  | 42.00  | 26.95        | 9.25    | 7.92 | 4.2               | 2.18            | 103.9 |
| 983      | 4/25/2011 16:15 | 12.98  | 42.30  | 27.16        | 9.14    | 7.91 | 3.6               | 2.25            | 102.7 |
| 984      | 4/25/2011 16:30 | 12.73  | 42.68  | 27.42        | 9.01    | 7.90 | 3.4               | 2.32            | 100.9 |
| 985      | 4/25/2011 16:45 | 12.49  | 43.10  | 27.71        | 8.85    | 7.88 | 3.6               | 2.39            | 98.7  |
| 986      | 4/25/2011 17:00 | 12.42  | 43.44  | 27.95        | 8.80    | 7.88 | 3.7               | 2.47            | 98.2  |
| 987      | 4/25/2011 17:15 | 12.32  | 43.48  | 27.98        | 8.77    | 7.88 | 3.7               | 2.54            | 97.7  |
| 988      | 4/25/2011 17:30 | 12.27  | 43.62  | 28.08        | 8.74    | 7.87 | 3.7               | 2.60            | 97.3  |
| 989      | 4/25/2011 17:45 | 12.23  | 43.67  | 28.11        | 8.73    | 7.87 | 4.0               | 2.67            | 97.1  |
| 990      | 4/25/2011 18:00 | 12.11  | 44.00  | 28.34        | 8.69    | 7.87 | 3.4               | 2.75            | 96.6  |
| 991      | 4/25/2011 18:15 | 12.06  | 44.11  | 28.42        | 8.70    | 7.87 | 3.6               | 2.81            | 96.6  |
| 992      | 4/25/2011 18:30 | 12.01  | 44.71  | 28.84        | 8.71    | 7.88 | 3.8               | 2.87            | 96.9  |
| 993      | 4/25/2011 18:45 | 11.99  | 44.44  | 28.65        | 8.77    | 7.88 | 3.2               | 2.92            | 97.4  |
| 994      | 4/25/2011 19:00 | 11.99  | 44.50  | 28.69        | 8.77    | 7.88 | 3.7               | 2.98            | 97.5  |
| 995      | 4/25/2011 19:15 | 11.99  | 44.82  | 28.92        | 8.83    | 7.89 | 3.1               | 3.03            | 98.2  |
| 996      | 4/25/2011 19:30 | 11.97  | 45.00  | 29.05        | 8.81    | 7.89 | 3.4               | 3.07            | 98.1  |
| 997      | 4/25/2011 19:45 | 11.89  | 44.94  | 29.00        | 8.79    | 7.89 | 2.7               | 3.10            | 97.7  |
| 998      | 4/25/2011 20:00 | 11.86  | 44.96  | 29.01        | 8.80    | 7.89 | 2.9               | 3.13            | 97.7  |
| 999      | 4/25/2011 20:15 | 11.95  | 44.73  | 28.85        | 8.78    | 7.88 | 2.8               | 3.14            | 97.5  |
| 1000     | 4/25/2011 20:30 | 11.84  | 45.03  | 29.06        | 8.71    | 7.88 | 2.8               | 3.13            | 96.7  |
| 1001     | 4/25/2011 20:45 | 11.85  | 45.17  | 29.17        | 8.72    | 7.88 | 4.9               | 3.12            | 96.8  |
| 1002     | 4/25/2011 21:00 | 11.89  | 44.95  | 29.01        | 8.72    | 7.88 | 2.9               | 3.09            | 96.9  |
| 1003     | 4/25/2011 21:15 | 12.11  | 44.45  | 28.66        | 8.79    | 7.89 | 3.3               | 3.05            | 97.9  |
| 1004     | 4/25/2011 21:30 | 12.18  | 44.25  | 28.52        | 8.75    | 7.89 | 3.4               | 3.00            | 97.5  |
| 1005     | 4/25/2011 21:45 | 12.13  | 44.28  | 28.54        | 8.65    | 7.88 | 4.3               | 2.95            | 96.3  |
| 1006     | 4/25/2011 22:00 | 12.14  | 43.92  | 28.28        | 8.77    | 7.89 | 3.7               | 2.90            | 97.5  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1007     | 4/25/2011 22:15 | 12.29  | 43.88  | 28.26        | 8.78    | 7.89 | 4.0               | 2.83            | 97.9  |
| 1008     | 4/25/2011 22:30 | 12.41  | 43.87  | 28.26        | 8.77    | 7.89 | 3.8               | 2.77            | 98.1  |
| 1009     | 4/25/2011 22:45 | 12.55  | 43.21  | 27.79        | 8.82    | 7.89 | 4.0               | 2.72            | 98.6  |
| 1010     | 4/25/2011 23:00 | 12.57  | 43.23  | 27.81        | 8.84    | 7.90 | 4.2               | 2.67            | 98.9  |
| 1011     | 4/25/2011 23:15 | 12.60  | 42.98  | 27.63        | 8.88    | 7.90 | 3.9               | 2.60            | 99.2  |
| 1012     | 4/25/2011 23:30 | 12.45  | 43.33  | 27.88        | 8.84    | 7.89 | 3.9               | 2.55            | 98.6  |
| 1013     | 4/25/2011 23:45 | 12.44  | 43.00  | 27.64        | 8.81    | 7.90 | 3.6               | 2.51            | 98.1  |
| 1014     | 4/26/2011 0:00  | 12.61  | 42.72  | 27.45        | 8.92    | 7.91 | 3.4               | 2.44            | 99.6  |
| 1015     | 4/26/2011 0:15  | 12.53  | 42.61  | 27.37        | 8.89    | 7.91 | 3.5               | 2.39            | 99.1  |
| 1016     | 4/26/2011 0:30  | 12.71  | 42.42  | 27.24        | 8.95    | 7.92 | 3.7               | 2.35            | 100.1 |
| 1017     | 4/26/2011 0:45  | 12.83  | 42.23  | 27.11        | 9.00    | 7.92 | 3.6               | 2.32            | 100.7 |
| 1018     | 4/26/2011 1:00  | 12.90  | 42.12  | 27.03        | 9.11    | 7.93 | 3.7               | 2.29            | 102.1 |
| 1019     | 4/26/2011 1:15  | 12.88  | 42.11  | 27.02        | 9.10    | 7.93 | 3.3               | 2.28            | 101.9 |
| 1020     | 4/26/2011 1:30  | 12.79  | 42.82  | 27.53        | 8.96    | 7.92 | 3.1               | 2.25            | 100.5 |
| 1021     | 4/26/2011 1:45  | 12.93  | 42.08  | 27.01        | 9.07    | 7.93 | 3.9               | 2.25            | 101.7 |
| 1022     | 4/26/2011 2:00  | 12.75  | 42.18  | 27.07        | 9.06    | 7.91 | 5.1               | 2.26            | 101.3 |
| 1023     | 4/26/2011 2:15  | 12.94  | 42.08  | 27.00        | 9.03    | 7.92 | 5.8               | 2.26            | 101.2 |
| 1024     | 4/26/2011 2:30  | 12.89  | 42.30  | 27.15        | 9.06    | 7.93 | 4.2               | 2.30            | 101.6 |
| 1025     | 4/26/2011 2:45  | 12.64  | 42.76  | 27.47        | 8.78    | 7.89 | 3.8               | 2.32            | 98.2  |
| 1026     | 4/26/2011 3:00  | 12.68  | 42.97  | 27.63        | 8.77    | 7.89 | 4.3               | 2.35            | 98.2  |
| 1027     | 4/26/2011 3:15  | 12.64  | 42.73  | 27.46        | 8.78    | 7.89 | 3.7               | 2.39            | 98.1  |
| 1028     | 4/26/2011 3:30  | 12.62  | 42.58  | 27.35        | 8.84    | 7.89 | 4.3               | 2.45            | 98.7  |
| 1029     | 4/26/2011 3:45  | 12.58  | 42.69  | 27.43        | 8.85    | 7.89 | 3.5               | 2.49            | 98.8  |
| 1030     | 4/26/2011 4:00  | 12.55  | 43.02  | 27.66        | 8.85    | 7.89 | 3.4               | 2.54            | 98.9  |
| 1031     | 4/26/2011 4:15  | 12.47  | 43.30  | 27.85        | 8.81    | 7.89 | 3.2               | 2.59            | 98.4  |
| 1032     | 4/26/2011 4:30  | 12.38  | 43.57  | 28.04        | 8.78    | 7.89 | 2.8               | 2.64            | 98.0  |
| 1033     | 4/26/2011 4:45  | 12.35  | 43.87  | 28.25        | 8.78    | 7.89 | 3.2               | 2.70            | 98.0  |
| 1034     | 4/26/2011 5:00  | 12.32  | 43.69  | 28.13        | 8.81    | 7.89 | 3.2               | 2.73            | 98.2  |
| 1035     | 4/26/2011 5:15  | 12.26  | 43.89  | 28.26        | 8.80    | 7.89 | 3.1               | 2.78            | 98.1  |
| 1036     | 4/26/2011 5:30  | 12.14  | 44.27  | 28.53        | 8.80    | 7.89 | 2.8               | 2.83            | 98.0  |
| 1037     | 4/26/2011 5:45  | 12.07  | 44.52  | 28.71        | 8.80    | 7.89 | 2.7               | 2.86            | 97.9  |
| 1038     | 4/26/2011 6:00  | 11.96  | 45.41  | 29.34        | 8.79    | 7.89 | 2.6               | 2.90            | 98.0  |
| 1039     | 4/26/2011 6:15  | 11.93  | 45.44  | 29.36        | 8.79    | 7.89 | 2.3               | 2.95            | 97.9  |
| 1040     | 4/26/2011 6:30  | 11.88  | 45.01  | 29.05        | 8.81    | 7.89 | 2.7               | 2.99            | 97.9  |
| 1041     | 4/26/2011 6:45  | 11.88  | 45.68  | 29.53        | 8.78    | 7.90 | 5.0               | 3.02            | 97.9  |
| 1042     | 4/26/2011 7:00  | 11.92  | 44.64  | 28.79        | 8.81    | 7.89 | 2.9               | 3.04            | 97.8  |
| 1043     | 4/26/2011 7:15  | 11.90  | 44.56  | 28.73        | 8.81    | 7.89 | 2.4               | 3.07            | 97.8  |
| 1044     | 4/26/2011 7:30  | 12.01  | 45.04  | 29.08        | 8.63    | 7.88 | 3.1               | 3.06            | 96.2  |
| 1045     | 4/26/2011 7:45  | 12.01  | 44.59  | 28.76        | 8.63    | 7.88 | 3.5               | 3.08            | 96.0  |
| 1046     | 4/26/2011 8:00  | 11.92  | 45.13  | 29.14        | 8.68    | 7.89 | 2.4               | 3.07            | 96.6  |
| 1047     | 4/26/2011 8:15  | 11.98  | 45.10  | 29.12        | 8.66    | 7.89 | 3.3               | 3.04            | 96.4  |
| 1048     | 4/26/2011 8:30  | 11.99  | 44.61  | 28.77        | 8.64    | 7.88 | 3.2               | 3.01            | 96.0  |
| 1049     | 4/26/2011 8:45  | 12.01  | 44.94  | 29.00        | 8.63    | 7.88 | 3.7               | 2.96            | 96.1  |
| 1050     | 4/26/2011 9:00  | 12.04  | 44.72  | 28.85        | 8.73    | 7.89 | 3.5               | 2.91            | 97.2  |
| 1051     | 4/26/2011 9:15  | 12.07  | 44.58  | 28.75        | 8.82    | 7.89 | 3.6               | 2.85            | 98.2  |
| 1052     | 4/26/2011 9:30  | 12.17  | 44.48  | 28.69        | 8.78    | 7.89 | 4.7               | 2.78            | 98.0  |
| 1053     | 4/26/2011 9:45  | 12.24  | 44.26  | 28.53        | 8.75    | 7.89 | 3.8               | 2.72            | 97.7  |
| 1054     | 4/26/2011 10:00 | 12.51  | 43.49  | 27.99        | 8.85    | 7.90 | 3.7               | 2.64            | 99.0  |
| 1055     | 4/26/2011 10:15 | 12.89  | 43.45  | 27.97        | 9.17    | 7.92 | 3.8               | 2.55            | 103.3 |
| 1056     | 4/26/2011 10:30 | 13.06  | 43.08  | 27.72        | 9.47    | 7.94 | 3.9               | 2.47            | 106.9 |
| 1057     | 4/26/2011 10:45 | 13.52  | 43.31  | 27.89        | 9.55    | 7.97 | 3.7               | 2.41            | 109.0 |
| 1058     | 4/26/2011 11:00 | 13.56  | 43.04  | 27.70        | 9.70    | 7.97 | 3.7               | 2.33            | 110.7 |
| 1059     | 4/26/2011 11:15 | 13.92  | 42.97  | 27.66        | 9.86    | 7.99 | 3.8               | 2.24            | 113.3 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1060     | 4/26/2011 11:30 | 13.84  | 42.23  | 27.13        | 9.90    | 7.99 | 3.8               | 2.15            | 113.3 |
| 1061     | 4/26/2011 11:45 | 13.65  | 42.26  | 27.15        | 9.64    | 7.98 | 3.5               | 2.07            | 109.8 |
| 1062     | 4/26/2011 12:00 | 14.26  | 41.96  | 26.95        | 10.15   | 8.01 | 3.7               | 2.01            | 117.0 |
| 1063     | 4/26/2011 12:15 | 13.77  | 41.82  | 26.84        | 9.66    | 7.99 | 3.3               | 1.91            | 110.2 |
| 1064     | 4/26/2011 12:30 | 13.53  | 42.15  | 27.07        | 9.61    | 7.98 | 3.2               | 1.83            | 109.2 |
| 1065     | 4/26/2011 12:45 | 14.21  | 41.96  | 26.95        | 10.00   | 8.03 | 3.7               | 1.79            | 115.1 |
| 1066     | 4/26/2011 13:00 | 14.34  | 41.72  | 26.78        | 10.11   | 8.03 | 3.8               | 1.76            | 116.6 |
| 1067     | 4/26/2011 13:15 | 14.43  | 42.05  | 27.02        | 10.16   | 8.04 | 4.0               | 1.69            | 117.5 |
| 1068     | 4/26/2011 13:30 | 14.20  | 42.21  | 27.12        | 9.99    | 8.02 | 4.3               | 1.66            | 115.1 |
| 1069     | 4/26/2011 13:45 | 13.92  | 42.30  | 27.18        | 9.77    | 8.00 | 3.8               | 1.67            | 111.9 |
| 1070     | 4/26/2011 14:00 | 14.41  | 42.43  | 27.28        | 10.16   | 8.02 | 4.2               | 1.69            | 117.7 |
| 1071     | 4/26/2011 14:15 | 14.18  | 42.19  | 27.11        | 10.03   | 8.02 | 3.4               | 1.66            | 115.5 |
| 1072     | 4/26/2011 14:30 | 14.31  | 42.11  | 27.06        | 10.03   | 8.03 | 3.4               | 1.69            | 115.7 |
| 1073     | 4/26/2011 14:45 | 14.08  | 41.95  | 26.94        | 10.00   | 8.02 | 3.1               | 1.73            | 114.9 |
| 1074     | 4/26/2011 15:00 | 14.03  | 42.35  | 27.22        | 9.98    | 8.01 | 3.6               | 1.78            | 114.6 |
| 1075     | 4/26/2011 15:15 | 14.00  | 42.10  | 27.05        | 9.86    | 8.00 | 3.7               | 1.81            | 113.1 |
| 1076     | 4/26/2011 15:30 | 13.78  | 42.18  | 27.09        | 9.62    | 7.99 | 3.4               | 1.86            | 109.9 |
| 1077     | 4/26/2011 15:45 | 13.55  | 42.31  | 27.18        | 9.44    | 7.96 | 3.4               | 1.93            | 107.4 |
| 1078     | 4/26/2011 16:00 | 13.54  | 42.39  | 27.24        | 9.40    | 7.96 | 3.2               | 2.00            | 106.9 |
| 1079     | 4/26/2011 16:15 | 13.49  | 42.43  | 27.27        | 9.45    | 7.97 | 3.2               | 2.07            | 107.4 |
| 1080     | 4/26/2011 16:30 | 13.34  | 42.42  | 27.25        | 9.37    | 7.95 | 3.9               | 2.11            | 106.1 |
| 1081     | 4/26/2011 16:45 | 13.06  | 42.82  | 27.53        | 9.18    | 7.93 | 4.9               | 2.19            | 103.6 |
| 1082     | 4/26/2011 17:00 | 13.07  | 42.99  | 27.66        | 9.25    | 7.94 | 3.4               | 2.27            | 104.5 |
| 1083     | 4/26/2011 17:15 | 13.09  | 43.06  | 27.70        | 9.34    | 7.94 | 3.0               | 2.36            | 105.5 |
| 1084     | 4/26/2011 17:30 | 13.04  | 43.13  | 27.75        | 9.33    | 7.94 | 3.2               | 2.42            | 105.4 |
| 1085     | 4/26/2011 17:45 | 13.04  | 43.28  | 27.86        | 9.32    | 7.94 | 3.2               | 2.49            | 105.3 |
| 1086     | 4/26/2011 18:00 | 13.04  | 43.34  | 27.90        | 9.19    | 7.93 | 3.1               | 2.56            | 103.9 |
| 1087     | 4/26/2011 18:15 | 13.18  | 43.42  | 27.96        | 9.29    | 7.93 | 4.0               | 2.63            | 105.4 |
| 1088     | 4/26/2011 18:30 | 13.19  | 43.50  | 28.02        | 9.35    | 7.94 | 3.7               | 2.70            | 106.1 |
| 1089     | 4/26/2011 18:45 | 13.07  | 43.71  | 28.17        | 9.39    | 7.94 | 3.8               | 2.77            | 106.3 |
| 1090     | 4/26/2011 19:00 | 12.78  | 44.04  | 28.39        | 9.22    | 7.93 | 2.9               | 2.83            | 103.9 |
| 1091     | 4/26/2011 19:15 | 12.61  | 44.30  | 28.57        | 9.18    | 7.92 | 2.8               | 2.89            | 103.2 |
| 1092     | 4/26/2011 19:30 | 12.21  | 44.92  | 29.00        | 8.94    | 7.90 | 2.7               | 2.94            | 100.0 |
| 1093     | 4/26/2011 19:45 | 12.22  | 45.00  | 29.06        | 8.99    | 7.91 | 3.7               | 3.01            | 100.6 |
| 1094     | 4/26/2011 20:00 | 12.25  | 45.04  | 29.09        | 9.07    | 7.91 | 2.9               | 3.05            | 101.6 |
| 1095     | 4/26/2011 20:15 | 12.26  | 45.11  | 29.14        | 9.16    | 7.92 | 2.9               | 3.11            | 102.7 |
| 1096     | 4/26/2011 20:30 | 12.21  | 45.27  | 29.25        | 9.17    | 7.93 | 3.2               | 3.13            | 102.8 |
| 1097     | 4/26/2011 20:45 | 12.13  | 45.51  | 29.42        | 9.28    | 7.94 | 3.6               | 3.17            | 103.9 |
| 1098     | 4/26/2011 21:00 | 12.12  | 45.60  | 29.48        | 9.33    | 7.94 | 3.1               | 3.20            | 104.5 |
| 1099     | 4/26/2011 21:15 | 12.24  | 45.22  | 29.22        | 9.05    | 7.92 | 2.3               | 3.20            | 101.4 |
| 1100     | 4/26/2011 21:30 | 12.18  | 44.87  | 28.96        | 9.13    | 7.92 | 3.4               | 3.18            | 102.0 |
| 1101     | 4/26/2011 21:45 | 12.17  | 45.45  | 29.38        | 9.15    | 7.93 | 6.2               | 3.18            | 102.5 |
| 1102     | 4/26/2011 22:00 | 12.23  | 45.24  | 29.23        | 9.07    | 7.92 | 2.7               | 3.13            | 101.6 |
| 1103     | 4/26/2011 22:15 | 12.50  | 44.63  | 28.81        | 9.02    | 7.92 | 3.5               | 3.09            | 101.3 |
| 1104     | 4/26/2011 22:30 | 12.47  | 44.37  | 28.62        | 8.89    | 7.91 | 4.3               | 3.02            | 99.8  |
| 1105     | 4/26/2011 22:45 | 12.34  | 44.30  | 28.56        | 8.90    | 7.90 | 4.2               | 2.95            | 99.5  |
| 1106     | 4/26/2011 23:00 | 12.39  | 44.58  | 28.77        | 8.93    | 7.92 | 3.8               | 2.90            | 100.1 |
| 1107     | 4/26/2011 23:15 | 12.81  | 43.94  | 28.32        | 9.09    | 7.94 | 4.0               | 2.82            | 102.6 |
| 1108     | 4/26/2011 23:30 | 12.84  | 43.93  | 28.31        | 9.05    | 7.94 | 4.2               | 2.75            | 102.2 |
| 1109     | 4/26/2011 23:45 | 12.90  | 43.16  | 27.77        | 9.06    | 7.93 | 3.8               | 2.69            | 102.0 |
| 1110     | 4/27/2011 0:00  | 12.93  | 42.96  | 27.63        | 9.05    | 7.93 | 4.0               | 2.61            | 101.9 |
| 1111     | 4/27/2011 0:15  | 12.96  | 42.70  | 27.45        | 9.04    | 7.93 | 4.0               | 2.56            | 101.7 |
| 1112     | 4/27/2011 0:30  | 12.97  | 43.15  | 27.76        | 9.00    | 7.93 | 3.6               | 2.49            | 101.5 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1113     | 4/27/2011 0:45  | 13.11  | 42.53  | 27.33        | 9.12    | 7.94 | 3.8               | 2.41            | 102.9 |
| 1114     | 4/27/2011 1:00  | 13.21  | 42.71  | 27.46        | 9.10    | 7.96 | 4.2               | 2.35            | 102.9 |
| 1115     | 4/27/2011 1:15  | 13.32  | 42.43  | 27.26        | 9.23    | 7.97 | 4.1               | 2.31            | 104.5 |
| 1116     | 4/27/2011 1:30  | 13.33  | 42.46  | 27.28        | 9.19    | 7.97 | 4.2               | 2.24            | 104.1 |
| 1117     | 4/27/2011 1:45  | 13.37  | 42.35  | 27.20        | 9.19    | 7.98 | 4.2               | 2.18            | 104.2 |
| 1118     | 4/27/2011 2:00  | 13.50  | 41.88  | 26.88        | 9.33    | 8.00 | 3.5               | 2.15            | 105.8 |
| 1119     | 4/27/2011 2:15  | 13.68  | 41.90  | 26.89        | 9.45    | 8.01 | 4.3               | 2.11            | 107.5 |
| 1120     | 4/27/2011 2:30  | 13.68  | 42.10  | 27.04        | 9.36    | 8.01 | 3.9               | 2.09            | 106.7 |
| 1121     | 4/27/2011 2:45  | 13.37  | 42.46  | 27.28        | 9.18    | 7.97 | 3.4               | 2.08            | 104.0 |
| 1122     | 4/27/2011 3:00  | 13.68  | 42.19  | 27.10        | 9.44    | 8.02 | 4.2               | 2.07            | 107.6 |
| 1123     | 4/27/2011 3:15  | 13.62  | 41.94  | 26.92        | 9.46    | 8.02 | 3.8               | 2.10            | 107.5 |
| 1124     | 4/27/2011 3:30  | 13.40  | 42.22  | 27.12        | 9.25    | 7.98 | 3.7               | 2.11            | 104.8 |
| 1125     | 4/27/2011 3:45  | 13.46  | 42.06  | 27.00        | 9.27    | 7.99 | 4.0               | 2.14            | 105.1 |
| 1126     | 4/27/2011 4:00  | 13.45  | 42.35  | 27.21        | 9.25    | 7.98 | 3.7               | 2.20            | 104.9 |
| 1127     | 4/27/2011 4:15  | 13.31  | 42.15  | 27.06        | 9.18    | 7.97 | 3.7               | 2.25            | 103.9 |
| 1128     | 4/27/2011 4:30  | 13.29  | 41.98  | 26.94        | 9.18    | 7.96 | 3.5               | 2.27            | 103.6 |
| 1129     | 4/27/2011 4:45  | 13.16  | 41.97  | 26.93        | 9.03    | 7.94 | 3.8               | 2.35            | 101.7 |
| 1130     | 4/27/2011 5:00  | 13.05  | 42.86  | 27.56        | 8.95    | 7.93 | 3.4               | 2.39            | 101.0 |
| 1131     | 4/27/2011 5:15  | 13.01  | 42.43  | 27.25        | 8.97    | 7.93 | 3.8               | 2.43            | 101.0 |
| 1132     | 4/27/2011 5:30  | 12.95  | 43.13  | 27.75        | 8.95    | 7.92 | 3.1               | 2.50            | 100.9 |
| 1133     | 4/27/2011 5:45  | 12.87  | 43.41  | 27.94        | 8.92    | 7.92 | 3.1               | 2.54            | 100.5 |
| 1134     | 4/27/2011 6:00  | 12.78  | 43.15  | 27.76        | 8.93    | 7.92 | 2.9               | 2.59            | 100.3 |
| 1135     | 4/27/2011 6:15  | 12.70  | 43.46  | 27.97        | 8.94    | 7.92 | 2.8               | 2.63            | 100.4 |
| 1136     | 4/27/2011 6:30  | 12.62  | 43.26  | 27.83        | 8.97    | 7.92 | 2.9               | 2.68            | 100.5 |
| 1137     | 4/27/2011 6:45  | 12.54  | 43.90  | 28.28        | 8.96    | 7.92 | 3.0               | 2.73            | 100.5 |
| 1138     | 4/27/2011 7:00  | 12.45  | 44.00  | 28.35        | 8.98    | 7.92 | 3.0               | 2.78            | 100.5 |
| 1139     | 4/27/2011 7:15  | 12.45  | 44.28  | 28.55        | 8.97    | 7.92 | 3.9               | 2.81            | 100.6 |
| 1140     | 4/27/2011 7:30  | 12.37  | 44.59  | 28.77        | 8.98    | 7.92 | 2.7               | 2.87            | 100.6 |
| 1141     | 4/27/2011 7:45  | 12.22  | 45.14  | 29.16        | 9.02    | 7.92 | 2.6               | 2.92            | 101.0 |
| 1142     | 4/27/2011 8:00  | 12.16  | 45.12  | 29.14        | 9.03    | 7.92 | 2.5               | 2.94            | 101.0 |
| 1143     | 4/27/2011 8:15  | 12.15  | 45.09  | 29.12        | 9.03    | 7.93 | 2.7               | 2.97            | 101.0 |
| 1144     | 4/27/2011 8:30  | 12.16  | 45.07  | 29.10        | 9.00    | 7.92 | 2.6               | 3.00            | 100.6 |
| 1145     | 4/27/2011 8:45  | 12.21  | 44.93  | 29.01        | 9.00    | 7.92 | 2.9               | 3.00            | 100.6 |
| 1146     | 4/27/2011 9:00  | 12.24  | 45.07  | 29.11        | 8.86    | 7.91 | 2.5               | 3.00            | 99.2  |
| 1147     | 4/27/2011 9:15  | 12.34  | 44.71  | 28.86        | 8.98    | 7.92 | 3.1               | 2.99            | 100.7 |
| 1148     | 4/27/2011 9:30  | 12.27  | 44.59  | 28.77        | 8.94    | 7.92 | 2.8               | 2.96            | 100.0 |
| 1149     | 4/27/2011 9:45  | 12.36  | 44.67  | 28.83        | 8.86    | 7.91 | 4.2               | 2.92            | 99.3  |
| 1150     | 4/27/2011 10:00 | 12.55  | 43.54  | 28.03        | 9.05    | 7.93 | 3.5               | 2.87            | 101.3 |
| 1151     | 4/27/2011 10:15 | 12.52  | 43.50  | 28.00        | 9.08    | 7.93 | 3.4               | 2.81            | 101.5 |
| 1152     | 4/27/2011 10:30 | 12.49  | 44.19  | 28.49        | 9.04    | 7.92 | 4.2               | 2.74            | 101.4 |
| 1153     | 4/27/2011 10:45 | 12.63  | 44.19  | 28.50        | 8.96    | 7.92 | 4.1               | 2.68            | 100.8 |
| 1154     | 4/27/2011 11:00 | 12.76  | 44.01  | 28.37        | 8.97    | 7.92 | 3.8               | 2.60            | 101.1 |
| 1155     | 4/27/2011 11:15 | 13.08  | 43.10  | 27.73        | 9.19    | 7.95 | 3.3               | 2.54            | 103.8 |
| 1156     | 4/27/2011 11:30 | 13.58  | 42.51  | 27.32        | 9.52    | 7.98 | 3.8               | 2.46            | 108.4 |
| 1157     | 4/27/2011 11:45 | 13.74  | 42.49  | 27.31        | 9.62    | 7.99 | 3.5               | 2.38            | 109.9 |
| 1158     | 4/27/2011 12:00 | 13.90  | 42.40  | 27.26        | 9.63    | 8.00 | 3.5               | 2.31            | 110.3 |
| 1159     | 4/27/2011 12:15 | 13.98  | 42.14  | 27.07        | 9.68    | 8.00 | 3.1               | 2.23            | 111.0 |
| 1160     | 4/27/2011 12:30 | 14.18  | 42.08  | 27.03        | 9.80    | 8.01 | 3.4               | 2.15            | 112.8 |
| 1161     | 4/27/2011 12:45 | 14.14  | 41.98  | 26.96        | 9.75    | 8.01 | 3.2               | 2.08            | 112.0 |
| 1162     | 4/27/2011 13:00 | 14.59  | 42.06  | 27.03        | 9.92    | 8.03 | 3.5               | 2.01            | 115.1 |
| 1163     | 4/27/2011 13:15 | 13.84  | 42.17  | 27.09        | 9.55    | 7.99 | 3.2               | 1.94            | 109.2 |
| 1164     | 4/27/2011 13:30 | 14.11  | 42.08  | 27.03        | 9.65    | 8.02 | 3.1               | 1.87            | 110.9 |
| 1165     | 4/27/2011 13:45 | 14.29  | 42.31  | 27.20        | 9.71    | 8.02 | 3.1               | 1.83            | 112.2 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1166     | 4/27/2011 14:00 | 14.32  | 41.92  | 26.92        | 9.73    | 8.03 | 3.1               | 1.79            | 112.2 |
| 1167     | 4/27/2011 14:15 | 14.35  | 42.24  | 27.15        | 9.72    | 8.03 | 3.1               | 1.77            | 112.3 |
| 1168     | 4/27/2011 14:30 | 14.67  | 41.93  | 26.94        | 9.92    | 8.04 | 3.4               | 1.73            | 115.3 |
| 1169     | 4/27/2011 14:45 | 15.00  | 42.14  | 27.09        | 10.13   | 8.05 | 3.7               | 1.74            | 118.7 |
| 1170     | 4/27/2011 15:00 | 15.05  | 41.99  | 26.99        | 10.05   | 8.04 | 4.2               | 1.76            | 117.7 |
| 1171     | 4/27/2011 15:15 | 15.11  | 41.83  | 26.88        | 10.13   | 8.06 | 4.0               | 1.77            | 118.7 |
| 1172     | 4/27/2011 15:30 | 14.46  | 41.86  | 26.88        | 9.91    | 8.03 | 3.2               | 1.80            | 114.6 |
| 1173     | 4/27/2011 15:45 | 14.41  | 42.10  | 27.05        | 9.86    | 8.02 | 3.7               | 1.84            | 114.0 |
| 1174     | 4/27/2011 16:00 | 14.19  | 42.11  | 27.05        | 9.70    | 8.01 | 3.5               | 1.88            | 111.6 |
| 1175     | 4/27/2011 16:15 | 14.64  | 41.93  | 26.94        | 9.84    | 8.04 | 3.9               | 1.93            | 114.2 |
| 1176     | 4/27/2011 16:30 | 13.96  | 42.20  | 27.11        | 9.47    | 7.99 | 3.1               | 1.99            | 108.6 |
| 1177     | 4/27/2011 16:45 | 14.01  | 42.26  | 27.15        | 9.46    | 7.99 | 2.7               | 2.05            | 108.6 |
| 1178     | 4/27/2011 17:00 | 14.04  | 42.12  | 27.06        | 9.56    | 8.00 | 3.0               | 2.11            | 109.7 |
| 1179     | 4/27/2011 17:15 | 13.88  | 42.04  | 26.99        | 9.50    | 7.99 | 3.0               | 2.18            | 108.7 |
| 1180     | 4/27/2011 17:30 | 13.63  | 42.35  | 27.22        | 9.41    | 7.97 | 3.5               | 2.24            | 107.2 |
| 1181     | 4/27/2011 17:45 | 13.61  | 42.77  | 27.51        | 9.42    | 7.98 | 3.3               | 2.33            | 107.5 |
| 1182     | 4/27/2011 18:00 | 13.45  | 42.73  | 27.48        | 9.50    | 7.97 | 3.5               | 2.39            | 108.0 |
| 1183     | 4/27/2011 18:15 | 13.31  | 43.08  | 27.72        | 9.48    | 7.97 | 3.3               | 2.46            | 107.6 |
| 1184     | 4/27/2011 18:30 | 13.41  | 43.35  | 27.92        | 9.49    | 7.97 | 3.5               | 2.54            | 108.1 |
| 1185     | 4/27/2011 18:45 | 13.21  | 43.72  | 28.17        | 9.40    | 7.96 | 4.2               | 2.61            | 106.8 |
| 1186     | 4/27/2011 19:00 | 13.43  | 43.18  | 27.80        | 9.44    | 7.97 | 4.2               | 2.68            | 107.5 |
| 1187     | 4/27/2011 19:15 | 13.50  | 43.30  | 27.89        | 9.54    | 7.98 | 3.8               | 2.74            | 108.8 |
| 1188     | 4/27/2011 19:30 | 13.44  | 43.31  | 27.89        | 9.60    | 7.98 | 3.4               | 2.82            | 109.4 |
| 1189     | 4/27/2011 19:45 | 13.22  | 43.88  | 28.30        | 9.62    | 7.98 | 4.2               | 2.88            | 109.4 |
| 1190     | 4/27/2011 20:00 | 12.90  | 43.96  | 28.34        | 9.49    | 7.97 | 2.9               | 2.95            | 107.3 |
| 1191     | 4/27/2011 20:15 | 12.51  | 44.48  | 28.69        | 9.35    | 7.95 | 2.8               | 3.01            | 105.0 |
| 1192     | 4/27/2011 20:30 | 12.35  | 44.98  | 29.05        | 9.21    | 7.94 | 2.9               | 3.07            | 103.4 |
| 1193     | 4/27/2011 20:45 | 12.22  | 45.23  | 29.22        | 9.30    | 7.95 | 3.2               | 3.13            | 104.1 |
| 1194     | 4/27/2011 21:00 | 12.19  | 45.19  | 29.19        | 9.39    | 7.95 | 3.3               | 3.17            | 105.1 |
| 1195     | 4/27/2011 21:15 | 12.19  | 45.20  | 29.20        | 9.37    | 7.95 | 3.1               | 3.22            | 104.9 |
| 1196     | 4/27/2011 21:30 | 12.20  | 45.35  | 29.31        | 9.58    | 7.96 | 3.5               | 3.29            | 107.3 |
| 1197     | 4/27/2011 21:45 | 12.15  | 45.43  | 29.36        | 9.50    | 7.96 | 2.6               | 3.29            | 106.3 |
| 1198     | 4/27/2011 22:00 | 12.18  | 45.32  | 29.28        | 9.35    | 7.95 | 2.9               | 3.29            | 104.7 |
| 1199     | 4/27/2011 22:15 | 12.12  | 45.60  | 29.48        | 9.36    | 7.96 | 2.7               | 3.28            | 104.8 |
| 1200     | 4/27/2011 22:30 | 12.15  | 45.34  | 29.30        | 9.33    | 7.95 | 2.5               | 3.25            | 104.4 |
| 1201     | 4/27/2011 22:45 | 12.62  | 44.39  | 28.64        | 9.19    | 7.95 | 3.4               | 3.19            | 103.5 |
| 1202     | 4/27/2011 23:00 | 12.47  | 45.09  | 29.13        | 9.27    | 7.96 | 4.1               | 3.13            | 104.3 |
| 1203     | 4/27/2011 23:15 | 12.83  | 44.13  | 28.46        | 9.22    | 7.96 | 5.2               | 3.07            | 104.1 |
| 1204     | 4/27/2011 23:30 | 12.92  | 43.96  | 28.34        | 9.30    | 7.97 | 3.5               | 3.00            | 105.2 |
| 1205     | 4/27/2011 23:45 | 13.10  | 43.48  | 28.00        | 9.27    | 7.97 | 4.8               | 2.91            | 105.0 |
| 1206     | 4/28/2011 0:00  | 13.05  | 43.46  | 27.99        | 9.18    | 7.96 | 4.0               | 2.83            | 103.8 |
| 1207     | 4/28/2011 0:15  | 13.00  | 43.68  | 28.14        | 9.16    | 7.96 | 3.8               | 2.75            | 103.6 |
| 1208     | 4/28/2011 0:30  | 13.12  | 43.15  | 27.77        | 9.17    | 7.96 | 4.2               | 2.68            | 103.7 |
| 1209     | 4/28/2011 0:45  | 13.13  | 43.27  | 27.85        | 9.14    | 7.96 | 4.3               | 2.59            | 103.4 |
| 1210     | 4/28/2011 1:00  | 13.15  | 43.33  | 27.90        | 9.12    | 7.97 | 4.9               | 2.50            | 103.3 |
| 1211     | 4/28/2011 1:15  | 13.36  | 42.88  | 27.58        | 9.17    | 7.99 | 4.4               | 2.43            | 104.2 |
| 1212     | 4/28/2011 1:30  | 13.42  | 42.81  | 27.53        | 9.19    | 8.00 | 4.3               | 2.33            | 104.4 |
| 1213     | 4/28/2011 1:45  | 13.75  | 42.84  | 27.56        | 9.32    | 8.02 | 4.3               | 2.26            | 106.7 |
| 1214     | 4/28/2011 2:00  | 13.80  | 42.72  | 27.48        | 9.29    | 8.03 | 4.2               | 2.17            | 106.4 |
| 1215     | 4/28/2011 2:15  | 14.02  | 42.15  | 27.08        | 9.35    | 8.05 | 4.6               | 2.11            | 107.3 |
| 1216     | 4/28/2011 2:30  | 14.03  | 42.04  | 27.00        | 9.34    | 8.05 | 4.3               | 2.05            | 107.1 |
| 1217     | 4/28/2011 2:45  | 13.98  | 42.21  | 27.12        | 9.31    | 8.04 | 4.0               | 1.98            | 106.8 |
| 1218     | 4/28/2011 3:00  | 13.96  | 42.40  | 27.26        | 9.29    | 8.03 | 3.4               | 1.96            | 106.6 |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1219     | 4/28/2011 3:15  | 14.23  | 42.09  | 27.04        | 9.34    | 8.06 | 3.8               | 1.92            | 107.6 |
| 1220     | 4/28/2011 3:30  | 13.93  | 42.10  | 27.04        | 9.17    | 8.02 | 3.4               | 1.92            | 105.1 |
| 1221     | 4/28/2011 3:45  | 13.96  | 42.30  | 27.18        | 9.29    | 8.04 | 3.8               | 1.91            | 106.5 |
| 1222     | 4/28/2011 4:00  | 14.05  | 41.99  | 26.96        | 9.33    | 8.05 | 3.8               | 1.92            | 107.1 |
| 1223     | 4/28/2011 4:15  | 13.99  | 42.15  | 27.08        | 9.31    | 8.05 | 3.7               | 1.95            | 106.8 |
| 1224     | 4/28/2011 4:30  | 13.95  | 42.05  | 27.01        | 9.27    | 8.03 | 4.0               | 1.98            | 106.2 |
| 1225     | 4/28/2011 4:45  | 13.82  | 42.16  | 27.08        | 9.15    | 8.01 | 4.2               | 2.04            | 104.6 |
| 1226     | 4/28/2011 5:00  | 13.80  | 41.19  | 26.39        | 9.17    | 8.02 | 4.6               | 2.08            | 104.3 |
| 1227     | 4/28/2011 5:15  | 13.79  | 41.62  | 26.70        | 9.13    | 8.01 | 4.2               | 2.13            | 104.0 |
| 1228     | 4/28/2011 5:30  | 13.71  | 41.86  | 26.87        | 9.07    | 8.00 | 3.6               | 2.18            | 103.3 |
| 1229     | 4/28/2011 5:45  | 13.66  | 41.79  | 26.81        | 9.05    | 7.99 | 4.0               | 2.23            | 102.9 |
| 1230     | 4/28/2011 6:00  | 13.57  | 41.95  | 26.93        | 9.04    | 7.98 | 3.6               | 2.29            | 102.7 |
| 1231     | 4/28/2011 6:15  | 13.53  | 42.17  | 27.08        | 9.08    | 7.98 | 3.7               | 2.35            | 103.2 |
| 1232     | 4/28/2011 6:30  | 13.36  | 42.60  | 27.39        | 9.03    | 7.97 | 3.3               | 2.40            | 102.4 |
| 1233     | 4/28/2011 6:45  | 13.26  | 42.69  | 27.45        | 9.01    | 7.96 | 3.4               | 2.46            | 102.0 |
| 1234     | 4/28/2011 7:00  | 13.19  | 42.88  | 27.58        | 9.00    | 7.96 | 3.1               | 2.52            | 101.9 |
| 1235     | 4/28/2011 7:15  | 12.97  | 43.26  | 27.84        | 8.98    | 7.95 | 3.3               | 2.57            | 101.3 |
| 1236     | 4/28/2011 7:30  | 12.95  | 43.12  | 27.74        | 9.00    | 7.95 | 2.9               | 2.64            | 101.5 |
| 1237     | 4/28/2011 7:45  | 12.84  | 43.55  | 28.04        | 8.99    | 7.95 | 3.1               | 2.68            | 101.3 |
| 1238     | 4/28/2011 8:00  | 12.78  | 43.52  | 28.02        | 9.01    | 7.95 | 2.7               | 2.74            | 101.4 |
| 1239     | 4/28/2011 8:15  | 12.72  | 43.94  | 28.32        | 8.97    | 7.94 | 2.7               | 2.79            | 101.0 |
| 1240     | 4/28/2011 8:30  | 12.63  | 44.00  | 28.36        | 9.01    | 7.95 | 2.9               | 2.84            | 101.2 |
| 1241     | 4/28/2011 8:45  | 12.50  | 44.04  | 28.39        | 9.05    | 7.94 | 3.0               | 2.89            | 101.4 |
| 1242     | 4/28/2011 9:00  | 12.42  | 44.10  | 28.43        | 9.08    | 7.95 | 3.0               | 2.93            | 101.6 |
| 1243     | 4/28/2011 9:15  | 12.43  | 44.04  | 28.38        | 9.11    | 7.95 | 2.6               | 2.96            | 102.0 |
| 1244     | 4/28/2011 9:30  | 12.41  | 44.22  | 28.51        | 9.09    | 7.95 | 2.7               | 3.00            | 101.8 |
| 1245     | 4/28/2011 9:45  | 12.43  | 44.74  | 28.88        | 8.96    | 7.94 | 2.8               | 3.01            | 100.6 |
| 1246     | 4/28/2011 10:00 | 12.44  | 44.54  | 28.74        | 8.93    | 7.94 | 2.1               | 3.03            | 100.2 |
| 1247     | 4/28/2011 10:15 | 12.43  | 44.55  | 28.74        | 8.86    | 7.94 | 2.4               | 3.02            | 99.4  |
| 1248     | 4/28/2011 10:30 | 12.45  | 44.94  | 29.03        | 8.92    | 7.94 | 2.7               | 2.99            | 100.3 |
| 1249     | 4/28/2011 10:45 | 12.50  | 44.47  | 28.69        | 8.91    | 7.94 | 2.5               | 2.96            | 100.1 |
| 1250     | 4/28/2011 11:00 | 12.60  | 44.23  | 28.52        | 8.93    | 7.94 | 2.9               | 2.90            | 100.4 |
| 1251     | 4/28/2011 11:15 | 12.60  | 44.42  | 28.66        | 8.97    | 7.94 | 3.2               | 2.86            | 101.0 |
| 1252     | 4/28/2011 11:30 | 12.64  | 44.00  | 28.36        | 9.02    | 7.95 | 3.4               | 2.78            | 101.4 |
| 1253     | 4/28/2011 11:45 | 12.88  | 43.82  | 28.24        | 9.03    | 7.95 | 5.1               | 2.72            | 101.9 |
| 1254     | 4/28/2011 12:00 | 13.09  | 43.38  | 27.93        | 9.04    | 7.96 | 4.3               | 2.64            | 102.3 |
| 1255     | 4/28/2011 12:15 | 13.50  | 43.08  | 27.73        | 9.27    | 7.98 | 3.7               | 2.56            | 105.6 |
| 1256     | 4/28/2011 12:30 | 13.70  | 42.63  | 27.41        | 9.45    | 8.00 | 3.7               | 2.49            | 107.9 |
| 1257     | 4/28/2011 12:45 | 13.79  | 42.64  | 27.42        | 9.58    | 8.01 | 4.2               | 2.41            | 109.7 |
| 1258     | 4/28/2011 13:00 | 14.20  | 42.67  | 27.45        | 10.06   | 8.04 | 3.8               | 2.33            | 116.2 |
| 1259     | 4/28/2011 13:15 | 14.39  | 42.65  | 27.45        | 9.99    | 8.05 | 4.1               | 2.25            | 115.8 |
| 1260     | 4/28/2011 13:30 | 14.56  | 43.02  | 27.71        | 9.93    | 8.06 | 3.7               | 2.17            | 115.6 |
| 1261     | 4/28/2011 13:45 | 14.37  | 42.64  | 27.43        | 9.59    | 8.04 | 3.8               | 2.10            | 111.1 |
| 1262     | 4/28/2011 14:00 | 14.60  | 42.70  | 27.49        | 9.71    | 8.06 | 3.8               | 2.04            | 113.0 |
| 1263     | 4/28/2011 14:15 | 14.75  | 42.69  | 27.48        | 9.78    | 8.06 | 3.6               | 1.98            | 114.2 |
| 1264     | 4/28/2011 14:30 | 14.79  | 42.78  | 27.55        | 9.82    | 8.07 | 3.7               | 1.92            | 114.8 |
| 1265     | 4/28/2011 14:45 | 14.62  | 42.71  | 27.49        | 9.62    | 8.06 | 3.5               | 1.89            | 112.1 |
| 1266     | 4/28/2011 15:00 | 14.58  | 42.71  | 27.49        | 9.61    | 8.05 | 3.1               | 1.85            | 111.8 |
| 1267     | 4/28/2011 15:15 | 14.86  | 42.72  | 27.50        | 9.68    | 8.06 | 3.2               | 1.83            | 113.3 |
| 1268     | 4/28/2011 15:30 | 14.30  | 42.10  | 27.05        | 9.54    | 8.04 | 5.0               | 1.84            | 110.1 |
| 1269     | 4/28/2011 15:45 | 14.24  | 42.70  | 27.48        | 9.46    | 8.03 | 3.5               | 1.83            | 109.4 |
| 1270     | 4/28/2011 16:00 | 14.47  | 41.87  | 26.89        | 9.68    | 8.06 | 3.2               | 1.84            | 111.9 |
| 1271     | 4/28/2011 16:15 | 14.56  | 41.71  | 26.78        | 9.66    | 8.06 | 3.5               | 1.88            | 111.9 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1272     | 4/28/2011 16:30 | 14.29  | 42.06  | 27.02        | 9.55    | 8.04 | 3.1               | 1.92            | 110.2 |
| 1273     | 4/28/2011 16:45 | 14.21  | 42.16  | 27.09        | 9.46    | 8.03 | 3.4               | 1.94            | 109.0 |
| 1274     | 4/28/2011 17:00 | 14.59  | 41.55  | 26.67        | 9.59    | 8.04 | 4.1               | 2.01            | 111.0 |
| 1275     | 4/28/2011 17:15 | 14.47  | 42.13  | 27.08        | 9.57    | 8.04 | 3.7               | 2.07            | 110.8 |
| 1276     | 4/28/2011 17:30 | 14.34  | 42.25  | 27.16        | 9.57    | 8.04 | 3.8               | 2.13            | 110.6 |
| 1277     | 4/28/2011 17:45 | 14.22  | 42.42  | 27.28        | 9.47    | 8.02 | 3.5               | 2.21            | 109.2 |
| 1278     | 4/28/2011 18:00 | 13.97  | 42.55  | 27.37        | 9.27    | 8.00 | 3.4               | 2.27            | 106.5 |
| 1279     | 4/28/2011 18:15 | 13.83  | 42.61  | 27.40        | 9.23    | 7.99 | 3.2               | 2.34            | 105.8 |
| 1280     | 4/28/2011 18:30 | 13.86  | 42.86  | 27.58        | 9.24    | 8.00 | 3.0               | 2.40            | 106.0 |
| 1281     | 4/28/2011 18:45 | 13.68  | 43.27  | 27.87        | 9.23    | 7.99 | 3.6               | 2.49            | 105.7 |
| 1282     | 4/28/2011 19:00 | 13.69  | 43.39  | 27.95        | 9.30    | 7.99 | 3.0               | 2.55            | 106.6 |
| 1283     | 4/28/2011 19:15 | 13.53  | 43.62  | 28.12        | 9.35    | 7.99 | 2.9               | 2.62            | 106.9 |
| 1284     | 4/28/2011 19:30 | 13.38  | 43.86  | 28.28        | 9.35    | 7.99 | 2.9               | 2.70            | 106.7 |
| 1285     | 4/28/2011 19:45 | 13.20  | 44.11  | 28.45        | 9.29    | 7.98 | 2.9               | 2.77            | 105.7 |
| 1286     | 4/28/2011 20:00 | 13.01  | 44.34  | 28.61        | 9.24    | 7.98 | 3.1               | 2.84            | 104.8 |
| 1287     | 4/28/2011 20:15 | 12.61  | 45.01  | 29.08        | 8.96    | 7.95 | 2.8               | 2.90            | 101.1 |
| 1288     | 4/28/2011 20:30 | 12.57  | 45.13  | 29.16        | 8.98    | 7.95 | 2.5               | 2.98            | 101.3 |
| 1289     | 4/28/2011 20:45 | 12.54  | 45.17  | 29.19        | 9.05    | 7.96 | 3.4               | 3.04            | 102.0 |
| 1290     | 4/28/2011 21:00 | 12.41  | 45.18  | 29.19        | 9.06    | 7.96 | 2.8               | 3.11            | 101.9 |
| 1291     | 4/28/2011 21:15 | 12.33  | 45.11  | 29.14        | 9.09    | 7.96 | 3.3               | 3.17            | 102.0 |
| 1292     | 4/28/2011 21:30 | 12.30  | 45.44  | 29.38        | 9.13    | 7.96 | 3.1               | 3.22            | 102.5 |
| 1293     | 4/28/2011 21:45 | 12.25  | 45.22  | 29.22        | 9.18    | 7.97 | 2.6               | 3.27            | 102.9 |
| 1294     | 4/28/2011 22:00 | 12.19  | 45.94  | 29.73        | 9.13    | 7.96 | 3.7               | 3.30            | 102.5 |
| 1295     | 4/28/2011 22:15 | 12.16  | 45.26  | 29.24        | 9.14    | 7.96 | 3.0               | 3.33            | 102.3 |
| 1296     | 4/28/2011 22:30 | 12.26  | 45.18  | 29.19        | 9.03    | 7.96 | 3.5               | 3.32            | 101.2 |
| 1297     | 4/28/2011 22:45 | 12.21  | 45.02  | 29.07        | 9.02    | 7.95 | 4.6               | 3.32            | 100.9 |
| 1298     | 4/28/2011 23:00 | 12.19  | 44.88  | 28.97        | 9.01    | 7.96 | 4.3               | 3.29            | 100.7 |
| 1299     | 4/28/2011 23:15 | 12.14  | 45.00  | 29.06        | 9.09    | 7.96 | 5.7               | 3.23            | 101.5 |
| 1300     | 4/28/2011 23:30 | 12.16  | 45.00  | 29.05        | 9.10    | 7.97 | 5.4               | 3.17            | 101.7 |
| 1301     | 4/28/2011 23:45 | 12.28  | 44.62  | 28.79        | 9.07    | 7.96 | 6.2               | 3.10            | 101.5 |
| 1302     | 4/29/2011 0:00  | 12.20  | 44.85  | 28.95        | 9.10    | 7.96 | 6.6               | 3.03            | 101.7 |
| 1303     | 4/29/2011 0:15  | 12.50  | 44.02  | 28.37        | 9.02    | 7.97 | 9.2               | 2.94            | 101.1 |
| 1304     | 4/29/2011 0:30  | 12.77  | 44.06  | 28.41        | 8.91    | 7.97 | 10.5              | 2.86            | 100.4 |
| 1305     | 4/29/2011 0:45  | 12.65  | 44.36  | 28.61        | 8.85    | 7.96 | 9.5               | 2.78            | 99.7  |
| 1306     | 4/29/2011 1:00  | 12.55  | 43.95  | 28.32        | 8.88    | 7.96 | 9.2               | 2.69            | 99.6  |
| 1307     | 4/29/2011 1:15  | 12.64  | 43.53  | 28.02        | 8.86    | 7.96 | 7.7               | 2.59            | 99.4  |
| 1308     | 4/29/2011 1:30  | 13.01  | 42.86  | 27.56        | 8.87    | 7.97 | 8.5               | 2.50            | 99.9  |
| 1309     | 4/29/2011 1:45  | 12.85  | 43.18  | 27.78        | 8.84    | 7.98 | 7.3               | 2.40            | 99.5  |
| 1310     | 4/29/2011 2:00  | 13.05  | 42.69  | 27.44        | 8.82    | 7.99 | 7.8               | 2.30            | 99.4  |
| 1311     | 4/29/2011 2:15  | 13.13  | 42.79  | 27.51        | 8.79    | 8.01 | 7.6               | 2.20            | 99.2  |
| 1312     | 4/29/2011 2:30  | 13.10  | 42.55  | 27.34        | 8.85    | 8.01 | 7.2               | 2.12            | 99.8  |
| 1313     | 4/29/2011 2:45  | 13.41  | 42.21  | 27.11        | 8.82    | 8.03 | 7.3               | 2.02            | 100.0 |
| 1314     | 4/29/2011 3:00  | 13.42  | 42.33  | 27.19        | 8.78    | 8.03 | 7.6               | 1.95            | 99.6  |
| 1315     | 4/29/2011 3:15  | 13.47  | 41.97  | 26.94        | 8.76    | 8.03 | 8.2               | 1.87            | 99.3  |
| 1316     | 4/29/2011 3:30  | 13.46  | 41.97  | 26.94        | 8.72    | 8.03 | 7.4               | 1.80            | 98.9  |
| 1317     | 4/29/2011 3:45  | 13.51  | 41.86  | 26.86        | 8.68    | 8.03 | 6.8               | 1.77            | 98.4  |
| 1318     | 4/29/2011 4:00  | 13.54  | 41.77  | 26.80        | 8.73    | 8.03 | 6.5               | 1.72            | 99.0  |
| 1319     | 4/29/2011 4:15  | 13.52  | 41.93  | 26.91        | 8.68    | 8.03 | 6.4               | 1.70            | 98.5  |
| 1320     | 4/29/2011 4:30  | 13.48  | 41.95  | 26.92        | 8.64    | 8.02 | 5.5               | 1.70            | 98.0  |
| 1321     | 4/29/2011 4:45  | 13.48  | 42.00  | 26.96        | 8.66    | 8.01 | 6.2               | 1.71            | 98.3  |
| 1322     | 4/29/2011 5:00  | 13.43  | 42.10  | 27.03        | 8.68    | 8.01 | 6.8               | 1.75            | 98.4  |
| 1323     | 4/29/2011 5:15  | 13.43  | 42.26  | 27.15        | 8.66    | 8.01 | 6.5               | 1.78            | 98.2  |
| 1324     | 4/29/2011 5:30  | 13.40  | 42.12  | 27.05        | 8.66    | 8.01 | 6.7               | 1.81            | 98.1  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |            |       |       |
| 1325     | 4/29/2011 5:45  | 13.28  | 41.40  | 26.53        | 8.67    | 8.00 | 6.2        | 1.90  | 97.6  |
| 1326     | 4/29/2011 6:00  | 13.32  | 41.49  | 26.59        | 8.70    | 8.00 | 5.9        | 1.94  | 98.1  |
| 1327     | 4/29/2011 6:15  | 13.36  | 41.58  | 26.66        | 8.68    | 8.00 | 5.4        | 1.99  | 98.0  |
| 1328     | 4/29/2011 6:30  | 13.35  | 41.85  | 26.85        | 8.62    | 8.00 | 5.1        | 2.07  | 97.5  |
| 1329     | 4/29/2011 6:45  | 13.38  | 42.02  | 26.97        | 8.61    | 8.00 | 5.2        | 2.14  | 97.4  |
| 1330     | 4/29/2011 7:00  | 13.23  | 41.93  | 26.90        | 8.66    | 7.98 | 4.9        | 2.19  | 97.7  |
| 1331     | 4/29/2011 7:15  | 13.16  | 42.05  | 26.99        | 8.67    | 7.97 | 4.7        | 2.26  | 97.7  |
| 1332     | 4/29/2011 7:30  | 13.10  | 42.30  | 27.17        | 8.68    | 7.97 | 4.6        | 2.33  | 97.8  |
| 1333     | 4/29/2011 7:45  | 13.02  | 42.29  | 27.16        | 8.71    | 7.96 | 4.3        | 2.41  | 97.9  |
| 1334     | 4/29/2011 8:00  | 12.93  | 42.68  | 27.43        | 8.70    | 7.96 | 4.3        | 2.48  | 97.8  |
| 1335     | 4/29/2011 8:15  | 12.83  | 43.29  | 27.86        | 8.70    | 7.95 | 3.8        | 2.54  | 97.9  |
| 1336     | 4/29/2011 8:30  | 12.77  | 43.76  | 28.20        | 8.70    | 7.95 | 3.8        | 2.60  | 98.0  |
| 1337     | 4/29/2011 8:45  | 12.74  | 43.66  | 28.12        | 8.73    | 7.95 | 3.7        | 2.67  | 98.2  |
| 1338     | 4/29/2011 9:00  | 12.68  | 43.57  | 28.05        | 8.74    | 7.95 | 3.9        | 2.74  | 98.1  |
| 1339     | 4/29/2011 9:15  | 12.56  | 44.18  | 28.49        | 8.73    | 7.95 | 3.7        | 2.78  | 98.0  |
| 1340     | 4/29/2011 9:30  | 12.50  | 44.29  | 28.56        | 8.74    | 7.95 | 3.5        | 2.84  | 98.0  |
| 1341     | 4/29/2011 9:45  | 12.51  | 44.17  | 28.47        | 8.78    | 7.95 | 3.5        | 2.89  | 98.5  |
| 1342     | 4/29/2011 10:00 | 12.41  | 44.46  | 28.68        | 8.78    | 7.95 | 3.6        | 2.93  | 98.4  |
| 1343     | 4/29/2011 10:15 | 12.37  | 44.55  | 28.74        | 8.78    | 7.95 | 2.9        | 2.96  | 98.3  |
| 1344     | 4/29/2011 10:30 | 12.34  | 44.76  | 28.89        | 8.77    | 7.95 | 3.3        | 2.99  | 98.3  |
| 1345     | 4/29/2011 10:45 | 12.37  | 44.64  | 28.81        | 8.75    | 7.95 | 2.7        | 3.01  | 98.1  |
| 1346     | 4/29/2011 11:00 | 12.43  | 44.52  | 28.72        | 8.65    | 7.95 | 6.0        | 3.01  | 97.0  |
| 1347     | 4/29/2011 11:15 | 12.33  | 44.69  | 28.84        | 8.66    | 7.94 | 4.4        | 3.00  | 97.0  |
| 1348     | 4/29/2011 11:30 | 12.41  | 44.55  | 28.74        | 8.74    | 7.95 | 2.8        | 2.97  | 98.0  |
| 1349     | 4/29/2011 11:45 | 12.43  | 44.45  | 28.68        | 8.73    | 7.95 | 2.8        | 2.94  | 97.9  |
| 1350     | 4/29/2011 12:00 | 12.69  | 44.15  | 28.47        | 8.81    | 7.96 | 4.0        | 2.88  | 99.2  |
| 1351     | 4/29/2011 12:15 | 12.84  | 44.21  | 28.52        | 8.93    | 7.96 | 4.3        | 2.82  | 100.9 |
| 1352     | 4/29/2011 12:30 | 13.45  | 43.93  | 28.33        | 9.23    | 8.00 | 6.6        | 2.76  | 105.4 |
| 1353     | 4/29/2011 12:45 | 13.62  | 44.16  | 28.50        | 9.32    | 8.00 | 7.6        | 2.69  | 107.0 |
| 1354     | 4/29/2011 13:00 | 13.67  | 43.76  | 28.22        | 9.38    | 8.00 | 8.9        | 2.61  | 107.6 |
| 1355     | 4/29/2011 13:15 | 13.83  | 43.90  | 28.32        | 9.42    | 8.02 | 11.6       | 2.52  | 108.5 |
| 1356     | 4/29/2011 13:30 | 13.86  | 43.24  | 27.85        | 9.41    | 8.02 | 12.6       | 2.44  | 108.1 |
| 1357     | 4/29/2011 13:45 | 14.17  | 43.01  | 27.70        | 9.48    | 8.03 | 11.5       | 2.38  | 109.6 |
| 1358     | 4/29/2011 14:00 | 14.32  | 42.96  | 27.66        | 9.44    | 8.04 | 11.5       | 2.29  | 109.4 |
| 1359     | 4/29/2011 14:15 | 14.32  | 42.73  | 27.50        | 9.37    | 8.03 | 14.0       | 2.22  | 108.4 |
| 1360     | 4/29/2011 14:30 | 14.49  | 42.69  | 27.47        | 9.33    | 8.04 | 15.6       | 2.15  | 108.3 |
| 1361     | 4/29/2011 14:45 | 14.64  | 42.72  | 27.50        | 9.31    | 8.05 | 14.4       | 2.06  | 108.5 |
| 1362     | 4/29/2011 15:00 | 14.58  | 42.91  | 27.63        | 9.27    | 8.05 | 14.0       | 2.01  | 108.0 |
| 1363     | 4/29/2011 15:15 | 14.68  | 42.69  | 27.48        | 9.24    | 8.05 | 13.8       | 1.96  | 107.8 |
| 1364     | 4/29/2011 15:30 | 14.63  | 42.39  | 27.27        | 9.22    | 8.05 | 13.4       | 1.92  | 107.3 |
| 1365     | 4/29/2011 15:45 | 14.73  | 42.25  | 27.17        | 9.21    | 8.06 | 13.9       | 1.90  | 107.3 |
| 1366     | 4/29/2011 16:00 | 14.66  | 42.25  | 27.16        | 9.15    | 8.05 | 10.6       | 1.86  | 106.5 |
| 1367     | 4/29/2011 16:15 | 14.65  | 42.26  | 27.17        | 8.99    | 8.05 | 8.1        | 1.86  | 104.6 |
| 1368     | 4/29/2011 16:30 | 14.56  | 42.32  | 27.21        | 9.06    | 8.04 | 8.5        | 1.88  | 105.2 |
| 1369     | 4/29/2011 16:45 | 14.75  | 42.21  | 27.14        | 9.20    | 8.06 | 9.6        | 1.89  | 107.1 |
| 1370     | 4/29/2011 17:00 | 14.62  | 42.37  | 27.25        | 9.22    | 8.05 | 9.1        | 1.93  | 107.3 |
| 1371     | 4/29/2011 17:15 | 14.49  | 42.08  | 27.04        | 9.23    | 8.05 | 8.9        | 1.97  | 106.9 |
| 1372     | 4/29/2011 17:30 | 14.52  | 42.01  | 26.99        | 9.18    | 8.05 | 8.5        | 2.02  | 106.4 |
| 1373     | 4/29/2011 17:45 | 14.45  | 42.10  | 27.05        | 9.18    | 8.04 | 8.3        | 2.08  | 106.3 |
| 1374     | 4/29/2011 18:00 | 14.45  | 42.27  | 27.18        | 9.19    | 8.04 | 7.5        | 2.14  | 106.4 |
| 1375     | 4/29/2011 18:15 | 14.39  | 42.28  | 27.18        | 9.24    | 8.04 | 7.0        | 2.21  | 106.9 |
| 1376     | 4/29/2011 18:30 | 14.39  | 42.42  | 27.28        | 9.20    | 8.04 | 7.0        | 2.28  | 106.5 |
| 1377     | 4/29/2011 18:45 | 14.28  | 42.34  | 27.22        | 9.13    | 8.03 | 6.1        | 2.34  | 105.4 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |            |       |       |
| 1378     | 4/29/2011 19:00 | 14.21  | 42.22  | 27.13        | 9.11    | 8.03 | 6.0        | 2.41  | 104.9 |
| 1379     | 4/29/2011 19:15 | 14.01  | 42.67  | 27.45        | 9.03    | 8.01 | 5.1        | 2.49  | 103.8 |
| 1380     | 4/29/2011 19:30 | 13.78  | 42.90  | 27.61        | 9.03    | 8.00 | 5.7        | 2.55  | 103.5 |
| 1381     | 4/29/2011 19:45 | 13.62  | 43.45  | 27.99        | 8.94    | 7.99 | 5.7        | 2.62  | 102.3 |
| 1382     | 4/29/2011 20:00 | 13.53  | 43.64  | 28.13        | 8.97    | 7.99 | 5.9        | 2.70  | 102.6 |
| 1383     | 4/29/2011 20:15 | 13.39  | 43.30  | 27.88        | 8.99    | 7.99 | 6.2        | 2.77  | 102.3 |
| 1384     | 4/29/2011 20:30 | 13.19  | 43.61  | 28.10        | 8.94    | 7.98 | 5.4        | 2.85  | 101.5 |
| 1385     | 4/29/2011 20:45 | 13.14  | 43.65  | 28.12        | 8.97    | 7.98 | 6.0        | 2.92  | 101.7 |
| 1386     | 4/29/2011 21:00 | 13.02  | 43.78  | 28.21        | 9.00    | 7.98 | 6.3        | 2.99  | 101.9 |
| 1387     | 4/29/2011 21:15 | 12.85  | 44.06  | 28.41        | 8.97    | 7.98 | 5.1        | 3.05  | 101.3 |
| 1388     | 4/29/2011 21:30 | 12.69  | 44.55  | 28.75        | 8.91    | 7.97 | 4.9        | 3.12  | 100.5 |
| 1389     | 4/29/2011 21:45 | 12.51  | 44.60  | 28.79        | 8.95    | 7.97 | 4.9        | 3.18  | 100.6 |
| 1390     | 4/29/2011 22:00 | 12.38  | 45.22  | 29.22        | 8.92    | 7.97 | 5.4        | 3.23  | 100.3 |
| 1391     | 4/29/2011 22:15 | 12.25  | 45.23  | 29.23        | 8.90    | 7.97 | 4.0        | 3.28  | 99.8  |
| 1392     | 4/29/2011 22:30 | 12.15  | 45.73  | 29.58        | 8.87    | 7.96 | 3.8        | 3.32  | 99.5  |
| 1393     | 4/29/2011 22:45 | 12.06  | 45.78  | 29.61        | 8.87    | 7.96 | 4.1        | 3.35  | 99.2  |
| 1394     | 4/29/2011 23:00 | 12.23  | 45.30  | 29.27        | 8.80    | 7.96 | 4.5        | 3.35  | 98.6  |
| 1395     | 4/29/2011 23:15 | 12.05  | 45.88  | 29.68        | 8.77    | 7.96 | 4.5        | 3.34  | 98.1  |
| 1396     | 4/29/2011 23:30 | 12.32  | 44.83  | 28.94        | 8.74    | 7.96 | 6.7        | 3.32  | 98.0  |
| 1397     | 4/29/2011 23:45 | 12.23  | 45.14  | 29.16        | 8.82    | 7.97 | 6.3        | 3.26  | 98.8  |
| 1398     | 4/30/2011 0:00  | 12.13  | 45.87  | 29.68        | 8.86    | 7.97 | 7.9        | 3.19  | 99.3  |
| 1399     | 4/30/2011 0:15  | 12.08  | 45.96  | 29.74        | 8.90    | 7.97 | 7.1        | 3.13  | 99.7  |
| 1400     | 4/30/2011 0:30  | 12.39  | 45.31  | 29.29        | 8.83    | 7.98 | 10.9       | 3.04  | 99.3  |
| 1401     | 4/30/2011 0:45  | 12.59  | 44.84  | 28.96        | 8.76    | 7.98 | 11.9       | 2.94  | 98.7  |
| 1402     | 4/30/2011 1:00  | 12.67  | 44.87  | 28.98        | 8.72    | 7.98 | 12.1       | 2.85  | 98.5  |
| 1403     | 4/30/2011 1:15  | 12.66  | 44.80  | 28.93        | 8.71    | 7.97 | 10.1       | 2.76  | 98.3  |
| 1404     | 4/30/2011 1:30  | 12.85  | 44.33  | 28.60        | 8.69    | 7.97 | 10.2       | 2.66  | 98.3  |
| 1405     | 4/30/2011 1:45  | 12.78  | 44.42  | 28.66        | 8.65    | 7.97 | 10.8       | 2.55  | 97.7  |
| 1406     | 4/30/2011 2:00  | 12.86  | 44.22  | 28.52        | 8.62    | 7.97 | 9.7        | 2.45  | 97.4  |
| 1407     | 4/30/2011 2:15  | 13.03  | 43.86  | 28.27        | 8.54    | 7.98 | 10.1       | 2.34  | 96.7  |
| 1408     | 4/30/2011 2:30  | 13.09  | 43.65  | 28.12        | 8.48    | 7.97 | 10.5       | 2.24  | 96.1  |
| 1409     | 4/30/2011 2:45  | 13.41  | 43.10  | 27.74        | 8.36    | 7.97 | 13.3       | 2.13  | 95.1  |
| 1410     | 4/30/2011 3:00  | 13.42  | 42.41  | 27.25        | 8.35    | 7.97 | 13.0       | 2.02  | 94.7  |
| 1411     | 4/30/2011 3:15  | 13.49  | 42.02  | 26.98        | 8.38    | 7.98 | 12.7       | 1.91  | 95.0  |
| 1412     | 4/30/2011 3:30  | 13.61  | 41.99  | 26.96        | 8.36    | 7.98 | 12.7       | 1.83  | 95.1  |
| 1413     | 4/30/2011 3:45  | 13.64  | 41.75  | 26.79        | 8.33    | 7.98 | 12.0       | 1.73  | 94.7  |
| 1414     | 4/30/2011 4:00  | 13.66  | 41.60  | 26.68        | 8.30    | 7.98 | 12.6       | 1.65  | 94.3  |
| 1415     | 4/30/2011 4:15  | 13.70  | 41.49  | 26.60        | 8.25    | 7.98 | 12.4       | 1.58  | 93.8  |
| 1416     | 4/30/2011 4:30  | 13.73  | 41.44  | 26.57        | 8.21    | 7.98 | 12.3       | 1.55  | 93.4  |
| 1417     | 4/30/2011 4:45  | 13.76  | 41.44  | 26.57        | 8.22    | 7.98 | 11.5       | 1.52  | 93.5  |
| 1418     | 4/30/2011 5:00  | 13.70  | 41.58  | 26.67        | 8.16    | 7.98 | 11.3       | 1.49  | 92.8  |
| 1419     | 4/30/2011 5:15  | 13.70  | 41.50  | 26.61        | 8.21    | 7.98 | 10.4       | 1.52  | 93.3  |
| 1420     | 4/30/2011 5:30  | 13.67  | 41.60  | 26.68        | 8.21    | 7.98 | 9.3        | 1.53  | 93.3  |
| 1421     | 4/30/2011 5:45  | 13.68  | 41.79  | 26.81        | 8.18    | 7.97 | 9.9        | 1.57  | 93.1  |
| 1422     | 4/30/2011 6:00  | 13.64  | 41.70  | 26.75        | 8.24    | 7.98 | 9.7        | 1.62  | 93.7  |
| 1423     | 4/30/2011 6:15  | 13.61  | 41.73  | 26.77        | 8.25    | 7.98 | 9.3        | 1.67  | 93.7  |
| 1424     | 4/30/2011 6:30  | 13.44  | 40.83  | 26.13        | 8.24    | 7.96 | 9.0        | 1.73  | 92.9  |
| 1425     | 4/30/2011 6:45  | 13.59  | 41.08  | 26.31        | 8.20    | 7.96 | 9.2        | 1.80  | 92.8  |
| 1426     | 4/30/2011 7:00  | 13.63  | 41.30  | 26.47        | 8.20    | 7.96 | 8.9        | 1.86  | 93.0  |
| 1427     | 4/30/2011 7:15  | 13.62  | 41.65  | 26.71        | 8.15    | 7.96 | 8.2        | 1.92  | 92.6  |
| 1428     | 4/30/2011 7:30  | 13.59  | 41.55  | 26.64        | 8.14    | 7.96 | 8.4        | 1.99  | 92.3  |
| 1429     | 4/30/2011 7:45  | 13.51  | 41.97  | 26.94        | 8.23    | 7.96 | 7.7        | 2.06  | 93.4  |
| 1430     | 4/30/2011 8:00  | 13.43  | 42.06  | 27.00        | 8.27    | 7.96 | 7.8        | 2.14  | 93.7  |

sonde #3

Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1431     | 4/30/2011 8:15 | 13.30  | 42.39  | 27.23        | 8.35    | 7.96 | 6.9               | 2.21            | 94.5  |
|          | Mean           | 12.20  | 43.06  | 27.67        | 9.02    | 7.91 | 8.2               | 2.51            | 100.1 |
|          | Minimum        | 10.05  | 37.47  | 23.74        | 7.96    | 7.84 | 2.1               | 0.75            | 86.3  |
|          | Maximum        | 15.11  | 47.61  | 30.82        | 10.18   | 8.07 | 41.4              | 4.03            | 118.7 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 0        | 4/30/2011 9:16  | 12.85  | 45.13  | 29.17        | 8.59    | 7.83 | 6.0               | 2.51            | 97.5  |
| 1        | 4/30/2011 9:31  | 12.88  | 44.35  | 28.62        | 8.64    | 7.85 | 5.2               | 2.60            | 97.8  |
| 2        | 4/30/2011 9:46  | 12.78  | 45.03  | 29.10        | 8.54    | 7.84 | 5.4               | 2.66            | 96.8  |
| 3        | 4/30/2011 10:01 | 12.65  | 45.65  | 29.54        | 8.53    | 7.84 | 5.5               | 2.72            | 96.6  |
| 4        | 4/30/2011 10:16 | 12.60  | 45.75  | 29.61        | 8.56    | 7.84 | 5.7               | 2.77            | 96.9  |
| 5        | 4/30/2011 10:31 | 12.52  | 45.90  | 29.72        | 8.57    | 7.85 | 5.4               | 2.83            | 96.9  |
| 6        | 4/30/2011 10:46 | 12.48  | 46.07  | 29.84        | 8.59    | 7.84 | 5.2               | 2.87            | 97.1  |
| 7        | 4/30/2011 11:01 | 12.40  | 46.11  | 29.86        | 8.61    | 7.84 | 5.1               | 2.91            | 97.2  |
| 8        | 4/30/2011 11:16 | 12.35  | 46.03  | 29.80        | 8.59    | 7.85 | 5.1               | 2.94            | 96.9  |
| 9        | 4/30/2011 11:31 | 12.37  | 46.21  | 29.93        | 8.63    | 7.84 | 4.5               | 2.95            | 97.4  |
| 10       | 4/30/2011 11:46 | 12.46  | 46.02  | 29.80        | 8.52    | 7.84 | 3.4               | 2.97            | 96.3  |
| 11       | 4/30/2011 12:01 | 12.37  | 45.94  | 29.74        | 8.50    | 7.84 | 4.6               | 2.95            | 95.9  |
| 12       | 4/30/2011 12:16 | 12.35  | 46.00  | 29.78        | 8.54    | 7.84 | 4.7               | 2.92            | 96.2  |
| 13       | 4/30/2011 12:31 | 12.54  | 45.90  | 29.72        | 8.59    | 7.84 | 4.9               | 2.90            | 97.1  |
| 14       | 4/30/2011 12:46 | 12.81  | 46.00  | 29.79        | 8.67    | 7.85 | 7.0               | 2.84            | 98.7  |
| 15       | 4/30/2011 13:01 | 13.14  | 45.72  | 29.61        | 8.75    | 7.86 | 9.5               | 2.78            | 100.2 |
| 16       | 4/30/2011 13:16 | 13.39  | 45.56  | 29.50        | 8.96    | 7.87 | 13.1              | 2.72            | 103.1 |
| 17       | 4/30/2011 13:31 | 13.53  | 45.67  | 29.59        | 8.90    | 7.87 | 15.3              | 2.64            | 102.7 |
| 18       | 4/30/2011 13:46 | 13.74  | 45.38  | 29.38        | 9.02    | 7.88 | 15.9              | 2.56            | 104.4 |
| 19       | 4/30/2011 14:01 | 13.79  | 45.34  | 29.36        | 8.94    | 7.87 | 19.6              | 2.49            | 103.6 |
| 20       | 4/30/2011 14:16 | 13.94  | 45.32  | 29.34        | 8.93    | 7.87 | 20.9              | 2.40            | 103.7 |
| 21       | 4/30/2011 14:31 | 14.61  | 45.28  | 29.33        | 9.11    | 7.91 | 15.4              | 2.32            | 107.3 |
| 22       | 4/30/2011 14:46 | 14.84  | 44.77  | 28.97        | 9.01    | 7.92 | 17.8              | 2.24            | 106.4 |
| 23       | 4/30/2011 15:01 | 14.90  | 44.25  | 28.60        | 8.95    | 7.91 | 18.9              | 2.17            | 105.5 |
| 24       | 4/30/2011 15:16 | 14.79  | 44.36  | 28.68        | 8.92    | 7.89 | 18.9              | 2.10            | 105.0 |
| 25       | 4/30/2011 15:31 | 14.90  | 44.14  | 28.52        | 8.87    | 7.90 | 18.1              | 2.04            | 104.5 |
| 26       | 4/30/2011 15:46 | 14.91  | 44.12  | 28.50        | 8.85    | 7.89 | 17.5              | 1.97            | 104.4 |
| 27       | 4/30/2011 16:01 | 15.01  | 44.34  | 28.67        | 8.80    | 7.90 | 17.9              | 1.93            | 104.0 |
| 28       | 4/30/2011 16:16 | 15.12  | 44.29  | 28.63        | 8.74    | 7.90 | 15.9              | 1.90            | 103.6 |
| 29       | 4/30/2011 16:31 | 15.18  | 44.17  | 28.54        | 8.65    | 7.89 | 14.2              | 1.87            | 102.5 |
| 30       | 4/30/2011 16:46 | 14.41  | 44.19  | 28.55        | 8.52    | 7.86 | 9.9               | 1.87            | 99.4  |
| 31       | 4/30/2011 17:01 | 15.10  | 44.27  | 28.62        | 8.79    | 7.90 | 12.8              | 1.88            | 104.0 |
| 32       | 4/30/2011 17:16 | 14.57  | 44.19  | 28.55        | 8.70    | 7.87 | 11.0              | 1.90            | 101.9 |
| 33       | 4/30/2011 17:31 | 14.81  | 44.24  | 28.59        | 8.83    | 7.89 | 11.3              | 1.93            | 103.9 |
| 34       | 4/30/2011 17:46 | 14.76  | 43.50  | 28.06        | 8.82    | 7.88 | 12.0              | 1.97            | 103.4 |
| 35       | 4/30/2011 18:01 | 14.76  | 43.77  | 28.25        | 8.70    | 7.88 | 12.2              | 2.02            | 102.1 |
| 36       | 4/30/2011 18:16 | 14.61  | 44.03  | 28.43        | 8.70    | 7.87 | 11.2              | 2.08            | 101.9 |
| 37       | 4/30/2011 18:31 | 14.48  | 44.11  | 28.49        | 8.65    | 7.86 | 9.5               | 2.13            | 101.0 |
| 38       | 4/30/2011 18:46 | 14.60  | 44.07  | 28.46        | 8.84    | 7.87 | 9.9               | 2.20            | 103.5 |
| 39       | 4/30/2011 19:01 | 14.71  | 43.57  | 28.10        | 8.86    | 7.88 | 10.2              | 2.27            | 103.8 |
| 40       | 4/30/2011 19:16 | 14.59  | 43.66  | 28.17        | 8.80    | 7.87 | 8.7               | 2.34            | 102.9 |
| 41       | 4/30/2011 19:31 | 14.45  | 43.56  | 28.09        | 8.76    | 7.86 | 8.6               | 2.41            | 102.1 |
| 42       | 4/30/2011 19:46 | 14.07  | 44.86  | 29.02        | 8.69    | 7.85 | 8.1               | 2.49            | 101.0 |
| 43       | 4/30/2011 20:01 | 13.89  | 44.96  | 29.08        | 8.71    | 7.84 | 8.2               | 2.57            | 100.9 |
| 44       | 4/30/2011 20:16 | 13.64  | 45.31  | 29.33        | 8.73    | 7.84 | 8.1               | 2.64            | 100.8 |
| 45       | 4/30/2011 20:31 | 13.65  | 45.11  | 29.19        | 8.82    | 7.85 | 7.9               | 2.71            | 101.8 |
| 46       | 4/30/2011 20:46 | 13.59  | 45.41  | 29.40        | 8.88    | 7.86 | 7.7               | 2.79            | 102.4 |
| 47       | 4/30/2011 21:01 | 13.43  | 45.33  | 29.33        | 8.92    | 7.86 | 7.8               | 2.86            | 102.5 |
| 48       | 4/30/2011 21:16 | 13.22  | 45.44  | 29.41        | 8.88    | 7.85 | 6.8               | 2.93            | 101.7 |
| 49       | 4/30/2011 21:31 | 13.00  | 45.95  | 29.77        | 8.85    | 7.85 | 6.3               | 3.01            | 101.1 |
| 50       | 4/30/2011 21:46 | 12.82  | 46.40  | 30.08        | 8.83    | 7.84 | 6.0               | 3.08            | 100.8 |
| 51       | 4/30/2011 22:01 | 12.34  | 47.08  | 30.56        | 8.73    | 7.83 | 5.2               | 3.15            | 98.8  |
| 52       | 4/30/2011 22:16 | 12.05  | 47.54  | 30.88        | 8.65    | 7.81 | 5.5               | 3.21            | 97.5  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 53       | 4/30/2011 22:31 | 11.82  | 48.17  | 31.32        | 8.64    | 7.80 | 7.0               | 3.27            | 97.3 |
| 54       | 4/30/2011 22:46 | 11.74  | 48.14  | 31.29        | 8.67    | 7.81 | 6.2               | 3.32            | 97.4 |
| 55       | 4/30/2011 23:01 | 11.74  | 48.09  | 31.26        | 8.69    | 7.81 | 6.2               | 3.35            | 97.6 |
| 56       | 4/30/2011 23:16 | 11.68  | 48.34  | 31.44        | 8.71    | 7.81 | 5.1               | 3.38            | 97.8 |
| 57       | 4/30/2011 23:31 | 11.83  | 48.25  | 31.38        | 8.44    | 7.79 | 4.4               | 3.39            | 95.0 |
| 58       | 4/30/2011 23:46 | 11.69  | 48.45  | 31.52        | 8.58    | 7.79 | 5.5               | 3.37            | 96.4 |
| 59       | 5/1/2011 0:01   | 11.73  | 48.37  | 31.46        | 8.63    | 7.80 | 5.8               | 3.33            | 97.1 |
| 60       | 5/1/2011 0:16   | 12.45  | 46.96  | 30.47        | 8.49    | 7.81 | 7.6               | 3.28            | 96.3 |
| 61       | 5/1/2011 0:31   | 12.46  | 46.63  | 30.23        | 8.62    | 7.83 | 8.7               | 3.21            | 97.6 |
| 62       | 5/1/2011 0:46   | 12.43  | 46.52  | 30.16        | 8.62    | 7.83 | 7.0               | 3.11            | 97.5 |
| 63       | 5/1/2011 1:01   | 12.50  | 46.53  | 30.17        | 8.58    | 7.82 | 7.4               | 3.02            | 97.3 |
| 64       | 5/1/2011 1:16   | 12.49  | 46.60  | 30.21        | 8.55    | 7.82 | 6.8               | 2.91            | 96.9 |
| 65       | 5/1/2011 1:31   | 12.68  | 46.32  | 30.03        | 8.54    | 7.83 | 8.3               | 2.81            | 97.1 |
| 66       | 5/1/2011 1:46   | 12.50  | 46.52  | 30.16        | 8.54    | 7.81 | 7.6               | 2.71            | 96.8 |
| 67       | 5/1/2011 2:01   | 12.81  | 46.21  | 29.95        | 8.47    | 7.82 | 8.4               | 2.61            | 96.5 |
| 68       | 5/1/2011 2:16   | 12.85  | 45.76  | 29.62        | 8.41    | 7.82 | 8.6               | 2.50            | 95.7 |
| 69       | 5/1/2011 2:31   | 12.70  | 45.69  | 29.57        | 8.37    | 7.81 | 8.2               | 2.39            | 94.9 |
| 70       | 5/1/2011 2:46   | 13.01  | 45.42  | 29.39        | 8.29    | 7.81 | 9.9               | 2.28            | 94.6 |
| 71       | 5/1/2011 3:01   | 13.00  | 45.22  | 29.24        | 8.18    | 7.80 | 10.9              | 2.15            | 93.1 |
| 72       | 5/1/2011 3:16   | 13.17  | 45.00  | 29.09        | 8.08    | 7.80 | 12.6              | 2.05            | 92.2 |
| 73       | 5/1/2011 3:31   | 13.14  | 44.72  | 28.89        | 8.12    | 7.80 | 11.8              | 1.92            | 92.5 |
| 74       | 5/1/2011 3:46   | 13.44  | 44.43  | 28.69        | 8.08    | 7.80 | 12.9              | 1.81            | 92.5 |
| 75       | 5/1/2011 4:01   | 13.52  | 44.34  | 28.63        | 8.06    | 7.81 | 13.1              | 1.70            | 92.4 |
| 76       | 5/1/2011 4:16   | 13.57  | 43.99  | 28.38        | 8.05    | 7.81 | 12.6              | 1.60            | 92.2 |
| 77       | 5/1/2011 4:31   | 13.61  | 43.98  | 28.38        | 7.98    | 7.80 | 12.9              | 1.50            | 91.5 |
| 78       | 5/1/2011 4:46   | 13.69  | 43.77  | 28.23        | 7.96    | 7.81 | 12.1              | 1.44            | 91.4 |
| 79       | 5/1/2011 5:01   | 13.70  | 43.97  | 28.37        | 7.91    | 7.81 | 12.5              | 1.37            | 90.9 |
| 80       | 5/1/2011 5:16   | 13.71  | 43.78  | 28.24        | 7.89    | 7.81 | 11.8              | 1.33            | 90.6 |
| 81       | 5/1/2011 5:31   | 13.65  | 44.07  | 28.44        | 7.89    | 7.80 | 11.4              | 1.32            | 90.6 |
| 82       | 5/1/2011 5:46   | 13.64  | 44.08  | 28.44        | 7.89    | 7.81 | 11.5              | 1.32            | 90.6 |
| 83       | 5/1/2011 6:01   | 13.62  | 44.01  | 28.39        | 7.92    | 7.80 | 10.8              | 1.35            | 90.9 |
| 84       | 5/1/2011 6:16   | 13.62  | 43.93  | 28.34        | 7.89    | 7.80 | 11.1              | 1.39            | 90.5 |
| 85       | 5/1/2011 6:31   | 13.62  | 44.21  | 28.54        | 7.90    | 7.80 | 11.0              | 1.45            | 90.7 |
| 86       | 5/1/2011 6:46   | 13.60  | 43.99  | 28.38        | 7.94    | 7.80 | 10.6              | 1.50            | 91.0 |
| 87       | 5/1/2011 7:01   | 13.58  | 43.29  | 27.88        | 7.96    | 7.79 | 9.6               | 1.57            | 91.0 |
| 88       | 5/1/2011 7:16   | 13.58  | 43.24  | 27.85        | 7.93    | 7.79 | 9.7               | 1.64            | 90.7 |
| 89       | 5/1/2011 7:31   | 13.62  | 43.43  | 27.98        | 7.97    | 7.79 | 9.7               | 1.71            | 91.3 |
| 90       | 5/1/2011 7:46   | 13.61  | 43.71  | 28.18        | 7.93    | 7.79 | 8.9               | 1.77            | 90.9 |
| 91       | 5/1/2011 8:01   | 13.60  | 43.66  | 28.14        | 7.90    | 7.79 | 8.9               | 1.85            | 90.5 |
| 92       | 5/1/2011 8:16   | 13.52  | 43.78  | 28.23        | 7.97    | 7.79 | 8.9               | 1.93            | 91.2 |
| 93       | 5/1/2011 8:31   | 13.44  | 44.13  | 28.48        | 8.04    | 7.79 | 9.0               | 2.02            | 92.0 |
| 94       | 5/1/2011 8:46   | 13.33  | 44.29  | 28.58        | 8.12    | 7.79 | 8.8               | 2.10            | 92.8 |
| 95       | 5/1/2011 9:01   | 13.24  | 44.47  | 28.72        | 8.20    | 7.80 | 7.9               | 2.18            | 93.6 |
| 96       | 5/1/2011 9:16   | 13.14  | 44.99  | 29.08        | 8.23    | 7.80 | 7.8               | 2.28            | 93.9 |
| 97       | 5/1/2011 9:31   | 12.93  | 45.58  | 29.50        | 8.24    | 7.80 | 7.4               | 2.36            | 93.8 |
| 98       | 5/1/2011 9:46   | 12.90  | 45.70  | 29.58        | 8.27    | 7.80 | 7.4               | 2.44            | 94.2 |
| 99       | 5/1/2011 10:01  | 12.88  | 45.97  | 29.78        | 8.30    | 7.80 | 7.2               | 2.52            | 94.6 |
| 100      | 5/1/2011 10:16  | 12.78  | 46.07  | 29.85        | 8.36    | 7.80 | 7.9               | 2.60            | 95.1 |
| 101      | 5/1/2011 10:31  | 12.69  | 46.41  | 30.09        | 8.41    | 7.80 | 7.5               | 2.67            | 95.6 |
| 102      | 5/1/2011 10:46  | 12.59  | 46.41  | 30.08        | 8.44    | 7.81 | 8.4               | 2.74            | 95.7 |
| 103      | 5/1/2011 11:01  | 12.55  | 46.75  | 30.33        | 8.47    | 7.80 | 7.3               | 2.80            | 96.2 |
| 104      | 5/1/2011 11:16  | 12.47  | 46.77  | 30.34        | 8.49    | 7.81 | 7.5               | 2.86            | 96.3 |
| 105      | 5/1/2011 11:31  | 12.37  | 46.85  | 30.40        | 8.52    | 7.81 | 6.7               | 2.91            | 96.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 106      | 5/1/2011 11:46 | 12.25  | 46.83  | 30.37        | 8.52    | 7.80 | 6.2               | 2.95            | 96.2  |
| 107      | 5/1/2011 12:01 | 12.05  | 47.41  | 30.79        | 8.48    | 7.79 | 6.0               | 2.98            | 95.6  |
| 108      | 5/1/2011 12:16 | 12.25  | 47.09  | 30.56        | 8.50    | 7.80 | 5.1               | 3.00            | 96.1  |
| 109      | 5/1/2011 12:31 | 12.33  | 47.23  | 30.66        | 8.48    | 7.80 | 5.0               | 3.02            | 96.1  |
| 110      | 5/1/2011 12:46 | 12.10  | 47.35  | 30.74        | 8.33    | 7.79 | 5.4               | 3.00            | 94.0  |
| 111      | 5/1/2011 13:01 | 12.09  | 47.31  | 30.72        | 8.37    | 7.79 | 5.4               | 2.98            | 94.4  |
| 112      | 5/1/2011 13:16 | 12.24  | 47.00  | 30.50        | 8.48    | 7.80 | 5.9               | 2.95            | 95.8  |
| 113      | 5/1/2011 13:31 | 12.75  | 46.50  | 30.15        | 8.62    | 7.81 | 6.6               | 2.88            | 98.2  |
| 114      | 5/1/2011 13:46 | 12.93  | 46.53  | 30.18        | 8.68    | 7.82 | 7.3               | 2.82            | 99.3  |
| 115      | 5/1/2011 14:01 | 13.80  | 46.00  | 29.83        | 8.81    | 7.84 | 7.1               | 2.75            | 102.4 |
| 116      | 5/1/2011 14:16 | 13.53  | 46.14  | 29.92        | 8.90    | 7.84 | 7.4               | 2.67            | 102.9 |
| 117      | 5/1/2011 14:31 | 14.39  | 45.96  | 29.81        | 9.18    | 7.87 | 7.8               | 2.58            | 107.9 |
| 118      | 5/1/2011 14:46 | 14.83  | 45.81  | 29.72        | 9.41    | 7.89 | 6.1               | 2.51            | 111.6 |
| 119      | 5/1/2011 15:01 | 14.74  | 45.56  | 29.53        | 9.49    | 7.90 | 6.1               | 2.43            | 112.2 |
| 120      | 5/1/2011 15:16 | 15.30  | 45.43  | 29.45        | 9.55    | 7.90 | 6.7               | 2.34            | 114.2 |
| 121      | 5/1/2011 15:31 | 15.01  | 44.81  | 29.00        | 9.60    | 7.90 | 7.0               | 2.27            | 113.7 |
| 122      | 5/1/2011 15:46 | 15.55  | 44.63  | 28.88        | 9.46    | 7.91 | 7.4               | 2.20            | 113.2 |
| 123      | 5/1/2011 16:01 | 15.94  | 44.88  | 29.07        | 9.50    | 7.92 | 7.3               | 2.13            | 114.7 |
| 124      | 5/1/2011 16:16 | 15.62  | 44.79  | 29.00        | 9.49    | 7.91 | 7.4               | 2.07            | 113.8 |
| 125      | 5/1/2011 16:31 | 15.69  | 44.35  | 28.68        | 9.46    | 7.91 | 6.6               | 2.01            | 113.4 |
| 126      | 5/1/2011 16:46 | 15.60  | 44.38  | 28.70        | 9.43    | 7.91 | 7.1               | 1.99            | 112.9 |
| 127      | 5/1/2011 17:01 | 14.96  | 44.70  | 28.92        | 9.15    | 7.88 | 5.2               | 1.96            | 108.2 |
| 128      | 5/1/2011 17:16 | 14.75  | 44.94  | 29.09        | 9.09    | 7.87 | 4.9               | 1.95            | 107.2 |
| 129      | 5/1/2011 17:31 | 15.51  | 44.28  | 28.63        | 9.54    | 7.91 | 6.5               | 1.95            | 114.0 |
| 130      | 5/1/2011 17:46 | 15.39  | 44.31  | 28.65        | 9.52    | 7.91 | 7.1               | 1.99            | 113.4 |
| 131      | 5/1/2011 18:01 | 15.07  | 44.62  | 28.86        | 9.35    | 7.89 | 6.4               | 2.02            | 110.9 |
| 132      | 5/1/2011 18:16 | 14.65  | 45.05  | 29.17        | 9.13    | 7.87 | 6.2               | 2.05            | 107.5 |
| 133      | 5/1/2011 18:31 | 14.92  | 44.29  | 28.63        | 9.29    | 7.89 | 6.1               | 2.12            | 109.6 |
| 134      | 5/1/2011 18:46 | 15.16  | 44.61  | 28.86        | 9.57    | 7.91 | 6.5               | 2.17            | 113.6 |
| 135      | 5/1/2011 19:01 | 15.27  | 44.70  | 28.92        | 9.53    | 7.90 | 6.5               | 2.23            | 113.4 |
| 136      | 5/1/2011 19:16 | 15.17  | 44.52  | 28.80        | 9.39    | 7.88 | 5.8               | 2.30            | 111.5 |
| 137      | 5/1/2011 19:31 | 14.71  | 45.02  | 29.15        | 9.22    | 7.87 | 5.6               | 2.37            | 108.7 |
| 138      | 5/1/2011 19:46 | 14.37  | 45.38  | 29.40        | 9.16    | 7.86 | 5.3               | 2.45            | 107.4 |
| 139      | 5/1/2011 20:01 | 14.11  | 45.78  | 29.68        | 9.10    | 7.85 | 5.4               | 2.51            | 106.3 |
| 140      | 5/1/2011 20:16 | 14.10  | 45.70  | 29.62        | 9.12    | 7.85 | 5.4               | 2.58            | 106.5 |
| 141      | 5/1/2011 20:31 | 13.96  | 45.87  | 29.74        | 9.11    | 7.85 | 5.7               | 2.66            | 106.1 |
| 142      | 5/1/2011 20:46 | 13.51  | 46.05  | 29.86        | 9.01    | 7.84 | 5.3               | 2.74            | 104.1 |
| 143      | 5/1/2011 21:01 | 13.57  | 46.20  | 29.96        | 9.10    | 7.85 | 8.6               | 2.81            | 105.4 |
| 144      | 5/1/2011 21:16 | 13.33  | 46.47  | 30.16        | 9.05    | 7.84 | 6.7               | 2.89            | 104.4 |
| 145      | 5/1/2011 21:31 | 12.73  | 47.26  | 30.70        | 8.81    | 7.81 | 5.2               | 2.97            | 100.7 |
| 146      | 5/1/2011 21:46 | 12.15  | 47.80  | 31.07        | 8.54    | 7.78 | 6.2               | 3.05            | 96.7  |
| 147      | 5/1/2011 22:01 | 11.74  | 48.45  | 31.52        | 8.40    | 7.77 | 8.9               | 3.13            | 94.5  |
| 148      | 5/1/2011 22:16 | 11.68  | 48.37  | 31.46        | 8.40    | 7.77 | 6.5               | 3.20            | 94.3  |
| 149      | 5/1/2011 22:31 | 11.60  | 48.86  | 31.81        | 8.39    | 7.77 | 7.3               | 3.28            | 94.2  |
| 150      | 5/1/2011 22:46 | 11.38  | 49.07  | 31.95        | 8.37    | 7.76 | 8.4               | 3.35            | 93.7  |
| 151      | 5/1/2011 23:01 | 11.22  | 49.13  | 31.99        | 8.29    | 7.75 | 6.3               | 3.41            | 92.5  |
| 152      | 5/1/2011 23:16 | 11.14  | 49.58  | 32.31        | 8.20    | 7.74 | 6.2               | 3.45            | 91.6  |
| 153      | 5/1/2011 23:31 | 11.04  | 49.68  | 32.38        | 8.18    | 7.74 | 5.6               | 3.49            | 91.2  |
| 154      | 5/1/2011 23:46 | 11.14  | 49.69  | 32.39        | 8.12    | 7.74 | 4.9               | 3.51            | 90.6  |
| 155      | 5/2/2011 0:01  | 11.00  | 49.67  | 32.36        | 8.09    | 7.73 | 5.1               | 3.50            | 90.1  |
| 156      | 5/2/2011 0:16  | 11.03  | 49.62  | 32.33        | 8.06    | 7.74 | 5.4               | 3.48            | 89.8  |
| 157      | 5/2/2011 0:31  | 11.85  | 48.33  | 31.44        | 8.18    | 7.76 | 6.0               | 3.43            | 92.2  |
| 158      | 5/2/2011 0:46  | 11.90  | 48.20  | 31.35        | 8.22    | 7.76 | 6.8               | 3.36            | 92.7  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 159      | 5/2/2011 1:01  | 11.85  | 48.62  | 31.65        | 8.23    | 7.76 | 6.5               | 3.28            | 92.9  |
| 160      | 5/2/2011 1:16  | 12.03  | 48.28  | 31.41        | 8.35    | 7.77 | 8.1               | 3.18            | 94.4  |
| 161      | 5/2/2011 1:31  | 12.16  | 48.08  | 31.27        | 8.36    | 7.77 | 7.5               | 3.09            | 94.8  |
| 162      | 5/2/2011 1:46  | 12.47  | 47.59  | 30.93        | 8.34    | 7.78 | 6.3               | 2.97            | 94.9  |
| 163      | 5/2/2011 2:01  | 12.54  | 47.42  | 30.81        | 8.35    | 7.78 | 6.2               | 2.87            | 95.1  |
| 164      | 5/2/2011 2:16  | 12.69  | 47.07  | 30.56        | 8.37    | 7.79 | 5.9               | 2.77            | 95.5  |
| 165      | 5/2/2011 2:31  | 12.95  | 46.86  | 30.42        | 8.40    | 7.80 | 6.4               | 2.65            | 96.3  |
| 166      | 5/2/2011 2:46  | 13.18  | 46.24  | 29.98        | 8.55    | 7.81 | 6.5               | 2.54            | 98.2  |
| 167      | 5/2/2011 3:01  | 13.76  | 45.20  | 29.25        | 8.58    | 7.83 | 11.9              | 2.42            | 99.2  |
| 168      | 5/2/2011 3:16  | 13.62  | 45.85  | 29.71        | 8.55    | 7.83 | 8.1               | 2.31            | 99.0  |
| 169      | 5/2/2011 3:31  | 13.77  | 45.35  | 29.36        | 8.64    | 7.83 | 8.5               | 2.19            | 100.0 |
| 170      | 5/2/2011 3:46  | 13.76  | 45.29  | 29.32        | 8.50    | 7.82 | 7.8               | 2.06            | 98.4  |
| 171      | 5/2/2011 4:01  | 13.76  | 45.42  | 29.41        | 8.52    | 7.82 | 8.2               | 1.93            | 98.6  |
| 172      | 5/2/2011 4:16  | 14.14  | 44.70  | 28.90        | 8.50    | 7.84 | 9.2               | 1.80            | 98.8  |
| 173      | 5/2/2011 4:31  | 14.25  | 44.77  | 28.96        | 8.55    | 7.84 | 9.6               | 1.69            | 99.7  |
| 174      | 5/2/2011 4:46  | 14.35  | 44.62  | 28.85        | 8.55    | 7.84 | 10.1              | 1.58            | 99.9  |
| 175      | 5/2/2011 5:01  | 14.49  | 44.53  | 28.79        | 8.52    | 7.85 | 10.3              | 1.47            | 99.7  |
| 176      | 5/2/2011 5:16  | 14.56  | 44.15  | 28.52        | 8.50    | 7.85 | 9.6               | 1.39            | 99.6  |
| 177      | 5/2/2011 5:31  | 14.60  | 44.34  | 28.65        | 8.43    | 7.84 | 9.3               | 1.32            | 98.8  |
| 178      | 5/2/2011 5:46  | 14.61  | 44.42  | 28.71        | 8.39    | 7.84 | 8.9               | 1.29            | 98.4  |
| 179      | 5/2/2011 6:01  | 14.56  | 44.19  | 28.55        | 8.33    | 7.84 | 8.0               | 1.27            | 97.5  |
| 180      | 5/2/2011 6:16  | 14.51  | 44.26  | 28.60        | 8.34    | 7.84 | 7.8               | 1.27            | 97.5  |
| 181      | 5/2/2011 6:31  | 14.45  | 44.23  | 28.57        | 8.38    | 7.83 | 7.7               | 1.30            | 97.9  |
| 182      | 5/2/2011 6:46  | 14.40  | 44.43  | 28.72        | 8.39    | 7.84 | 8.5               | 1.34            | 98.1  |
| 183      | 5/2/2011 7:01  | 14.39  | 44.24  | 28.58        | 8.42    | 7.84 | 9.4               | 1.39            | 98.3  |
| 184      | 5/2/2011 7:16  | 14.35  | 44.26  | 28.60        | 8.43    | 7.84 | 8.4               | 1.44            | 98.4  |
| 185      | 5/2/2011 7:31  | 14.28  | 43.74  | 28.22        | 8.44    | 7.83 | 8.7               | 1.52            | 98.0  |
| 186      | 5/2/2011 7:46  | 14.32  | 43.72  | 28.21        | 8.39    | 7.82 | 9.1               | 1.59            | 97.5  |
| 187      | 5/2/2011 8:01  | 14.39  | 43.45  | 28.01        | 8.39    | 7.82 | 7.7               | 1.65            | 97.6  |
| 188      | 5/2/2011 8:16  | 14.33  | 43.85  | 28.30        | 8.35    | 7.82 | 8.4               | 1.72            | 97.2  |
| 189      | 5/2/2011 8:31  | 14.27  | 44.39  | 28.68        | 8.33    | 7.82 | 7.0               | 1.81            | 97.0  |
| 190      | 5/2/2011 8:46  | 14.21  | 44.11  | 28.48        | 8.37    | 7.81 | 7.0               | 1.89            | 97.2  |
| 191      | 5/2/2011 9:01  | 14.12  | 44.46  | 28.73        | 8.39    | 7.81 | 7.0               | 1.97            | 97.5  |
| 192      | 5/2/2011 9:16  | 13.97  | 44.85  | 29.01        | 8.37    | 7.80 | 6.7               | 2.05            | 97.1  |
| 193      | 5/2/2011 9:31  | 13.87  | 44.96  | 29.08        | 8.42    | 7.80 | 6.6               | 2.16            | 97.6  |
| 194      | 5/2/2011 9:46  | 13.73  | 45.16  | 29.23        | 8.45    | 7.81 | 7.0               | 2.25            | 97.6  |
| 195      | 5/2/2011 10:01 | 13.56  | 45.54  | 29.49        | 8.44    | 7.80 | 5.9               | 2.33            | 97.3  |
| 196      | 5/2/2011 10:16 | 13.41  | 46.21  | 29.97        | 8.37    | 7.80 | 6.0               | 2.42            | 96.6  |
| 197      | 5/2/2011 10:31 | 13.34  | 46.21  | 29.97        | 8.40    | 7.79 | 6.3               | 2.51            | 96.7  |
| 198      | 5/2/2011 10:46 | 13.25  | 46.20  | 29.96        | 8.44    | 7.79 | 6.3               | 2.59            | 97.1  |
| 199      | 5/2/2011 11:01 | 13.18  | 46.54  | 30.20        | 8.49    | 7.80 | 5.8               | 2.65            | 97.6  |
| 200      | 5/2/2011 11:16 | 13.08  | 46.63  | 30.26        | 8.50    | 7.79 | 6.5               | 2.74            | 97.6  |
| 201      | 5/2/2011 11:31 | 12.88  | 46.64  | 30.26        | 8.48    | 7.79 | 6.6               | 2.80            | 97.0  |
| 202      | 5/2/2011 11:46 | 12.85  | 46.68  | 30.29        | 8.48    | 7.79 | 5.7               | 2.85            | 96.9  |
| 203      | 5/2/2011 12:01 | 12.71  | 47.10  | 30.59        | 8.43    | 7.78 | 5.9               | 2.92            | 96.3  |
| 204      | 5/2/2011 12:16 | 12.45  | 47.52  | 30.88        | 8.41    | 7.78 | 6.7               | 2.96            | 95.6  |
| 205      | 5/2/2011 12:31 | 12.23  | 47.68  | 30.99        | 8.32    | 7.77 | 5.9               | 3.00            | 94.2  |
| 206      | 5/2/2011 12:46 | 11.97  | 48.04  | 31.23        | 8.27    | 7.76 | 6.2               | 3.04            | 93.4  |
| 207      | 5/2/2011 13:01 | 11.96  | 48.24  | 31.37        | 8.25    | 7.76 | 4.2               | 3.05            | 93.2  |
| 208      | 5/2/2011 13:16 | 12.34  | 47.72  | 31.02        | 8.27    | 7.77 | 4.1               | 3.07            | 93.9  |
| 209      | 5/2/2011 13:31 | 11.96  | 48.30  | 31.42        | 8.13    | 7.75 | 3.7               | 3.05            | 91.8  |
| 210      | 5/2/2011 13:46 | 12.11  | 47.92  | 31.15        | 8.25    | 7.76 | 5.4               | 3.02            | 93.3  |
| 211      | 5/2/2011 14:01 | 12.31  | 47.71  | 31.01        | 8.34    | 7.77 | 5.1               | 2.98            | 94.7  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 212      | 5/2/2011 14:16 | 12.73  | 47.38  | 30.79        | 8.46    | 7.79 | 5.5               | 2.92            | 96.7  |
| 213      | 5/2/2011 14:31 | 13.11  | 46.76  | 30.35        | 8.66    | 7.81 | 7.4               | 2.85            | 99.5  |
| 214      | 5/2/2011 14:46 | 13.49  | 46.59  | 30.24        | 8.85    | 7.82 | 7.0               | 2.78            | 102.4 |
| 215      | 5/2/2011 15:01 | 13.49  | 46.37  | 30.09        | 8.90    | 7.83 | 7.0               | 2.70            | 102.9 |
| 216      | 5/2/2011 15:16 | 14.13  | 45.99  | 29.83        | 9.22    | 7.87 | 5.9               | 2.62            | 107.9 |
| 217      | 5/2/2011 15:31 | 14.36  | 46.00  | 29.85        | 9.26    | 7.87 | 5.9               | 2.54            | 108.9 |
| 218      | 5/2/2011 15:46 | 14.75  | 45.37  | 29.40        | 9.60    | 7.90 | 5.9               | 2.47            | 113.4 |
| 219      | 5/2/2011 16:01 | 15.59  | 45.95  | 29.83        | 9.69    | 7.92 | 5.8               | 2.40            | 116.8 |
| 220      | 5/2/2011 16:16 | 15.36  | 45.53  | 29.52        | 9.75    | 7.92 | 6.2               | 2.33            | 116.7 |
| 221      | 5/2/2011 16:31 | 15.20  | 45.32  | 29.37        | 9.75    | 7.91 | 6.4               | 2.25            | 116.2 |
| 222      | 5/2/2011 16:46 | 15.47  | 45.20  | 29.29        | 9.78    | 7.92 | 6.6               | 2.19            | 117.2 |
| 223      | 5/2/2011 17:01 | 15.40  | 45.04  | 29.17        | 9.66    | 7.92 | 5.8               | 2.16            | 115.4 |
| 224      | 5/2/2011 17:16 | 15.55  | 45.61  | 29.58        | 9.58    | 7.92 | 5.4               | 2.10            | 115.2 |
| 225      | 5/2/2011 17:31 | 15.18  | 44.83  | 29.02        | 9.58    | 7.91 | 5.2               | 2.07            | 113.9 |
| 226      | 5/2/2011 17:46 | 15.25  | 45.30  | 29.36        | 9.42    | 7.91 | 4.8               | 2.07            | 112.4 |
| 227      | 5/2/2011 18:01 | 15.05  | 45.55  | 29.54        | 9.55    | 7.90 | 6.0               | 2.07            | 113.6 |
| 228      | 5/2/2011 18:16 | 15.23  | 44.98  | 29.12        | 9.74    | 7.92 | 5.6               | 2.07            | 116.0 |
| 229      | 5/2/2011 18:31 | 15.31  | 44.82  | 29.02        | 9.72    | 7.93 | 5.5               | 2.09            | 115.9 |
| 230      | 5/2/2011 18:46 | 14.75  | 45.52  | 29.51        | 9.38    | 7.87 | 4.6               | 2.14            | 110.9 |
| 231      | 5/2/2011 19:01 | 14.75  | 45.16  | 29.25        | 9.39    | 7.88 | 5.6               | 2.18            | 110.9 |
| 232      | 5/2/2011 19:16 | 14.92  | 45.36  | 29.39        | 9.54    | 7.90 | 5.1               | 2.24            | 113.1 |
| 233      | 5/2/2011 19:31 | 15.00  | 45.06  | 29.18        | 9.61    | 7.90 | 5.4               | 2.28            | 114.0 |
| 234      | 5/2/2011 19:46 | 14.85  | 45.27  | 29.33        | 9.66    | 7.91 | 4.9               | 2.35            | 114.4 |
| 235      | 5/2/2011 20:01 | 14.73  | 45.30  | 29.35        | 9.40    | 7.88 | 4.8               | 2.43            | 111.0 |
| 236      | 5/2/2011 20:16 | 14.44  | 45.64  | 29.58        | 9.23    | 7.86 | 5.4               | 2.50            | 108.4 |
| 237      | 5/2/2011 20:31 | 14.28  | 45.58  | 29.54        | 9.23    | 7.86 | 5.8               | 2.56            | 108.1 |
| 238      | 5/2/2011 20:46 | 14.17  | 46.16  | 29.95        | 9.18    | 7.86 | 5.0               | 2.64            | 107.6 |
| 239      | 5/2/2011 21:01 | 14.15  | 46.07  | 29.89        | 9.19    | 7.85 | 5.4               | 2.72            | 107.6 |
| 240      | 5/2/2011 21:16 | 13.89  | 46.16  | 29.95        | 9.17    | 7.85 | 5.2               | 2.80            | 106.8 |
| 241      | 5/2/2011 21:31 | 13.72  | 46.09  | 29.89        | 9.08    | 7.84 | 5.3               | 2.88            | 105.4 |
| 242      | 5/2/2011 21:46 | 13.24  | 46.77  | 30.37        | 8.95    | 7.82 | 6.8               | 2.96            | 103.1 |
| 243      | 5/2/2011 22:01 | 12.83  | 47.50  | 30.88        | 8.83    | 7.80 | 5.4               | 3.04            | 101.2 |
| 244      | 5/2/2011 22:16 | 12.39  | 47.93  | 31.17        | 8.61    | 7.78 | 4.6               | 3.11            | 98.0  |
| 245      | 5/2/2011 22:31 | 11.99  | 48.58  | 31.63        | 8.38    | 7.76 | 5.9               | 3.19            | 94.8  |
| 246      | 5/2/2011 22:46 | 11.87  | 48.89  | 31.84        | 8.44    | 7.76 | 6.7               | 3.27            | 95.4  |
| 247      | 5/2/2011 23:01 | 11.74  | 48.96  | 31.89        | 8.49    | 7.76 | 6.5               | 3.34            | 95.7  |
| 248      | 5/2/2011 23:16 | 11.68  | 49.03  | 31.94        | 8.50    | 7.76 | 6.0               | 3.40            | 95.8  |
| 249      | 5/2/2011 23:31 | 11.53  | 49.18  | 32.04        | 8.53    | 7.76 | 6.0               | 3.46            | 95.9  |
| 250      | 5/2/2011 23:46 | 11.36  | 49.42  | 32.20        | 8.53    | 7.76 | 5.5               | 3.50            | 95.6  |
| 251      | 5/3/2011 0:01  | 11.29  | 49.35  | 32.15        | 8.50    | 7.75 | 4.9               | 3.53            | 95.1  |
| 252      | 5/3/2011 0:16  | 11.41  | 49.62  | 32.35        | 8.38    | 7.74 | 5.0               | 3.54            | 94.2  |
| 253      | 5/3/2011 0:31  | 11.34  | 49.68  | 32.39        | 8.35    | 7.74 | 3.8               | 3.54            | 93.7  |
| 254      | 5/3/2011 0:46  | 11.28  | 49.45  | 32.22        | 8.38    | 7.75 | 5.1               | 3.50            | 93.8  |
| 255      | 5/3/2011 1:01  | 11.75  | 48.97  | 31.89        | 8.43    | 7.76 | 6.4               | 3.46            | 95.0  |
| 256      | 5/3/2011 1:16  | 11.88  | 48.71  | 31.71        | 8.40    | 7.76 | 5.8               | 3.39            | 94.9  |
| 257      | 5/3/2011 1:31  | 11.67  | 48.95  | 31.88        | 8.38    | 7.76 | 6.0               | 3.30            | 94.4  |
| 258      | 5/3/2011 1:46  | 11.70  | 48.78  | 31.76        | 8.46    | 7.76 | 6.3               | 3.21            | 95.3  |
| 259      | 5/3/2011 2:01  | 12.36  | 47.89  | 31.14        | 8.49    | 7.79 | 7.5               | 3.11            | 96.6  |
| 260      | 5/3/2011 2:16  | 12.50  | 47.55  | 30.90        | 8.47    | 7.79 | 7.0               | 3.01            | 96.5  |
| 261      | 5/3/2011 2:31  | 12.78  | 47.26  | 30.70        | 8.46    | 7.80 | 8.3               | 2.91            | 96.8  |
| 262      | 5/3/2011 2:46  | 12.62  | 47.26  | 30.70        | 8.47    | 7.79 | 7.6               | 2.78            | 96.6  |
| 263      | 5/3/2011 3:01  | 12.77  | 47.15  | 30.62        | 8.53    | 7.79 | 8.4               | 2.67            | 97.6  |
| 264      | 5/3/2011 3:16  | 13.10  | 46.93  | 30.48        | 8.50    | 7.80 | 7.1               | 2.58            | 97.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 265      | 5/3/2011 3:31  | 13.18  | 46.61  | 30.25        | 8.52    | 7.81 | 8.3               | 2.45            | 98.0  |
| 266      | 5/3/2011 3:46  | 13.84  | 45.82  | 29.70        | 8.56    | 7.84 | 9.5               | 2.33            | 99.5  |
| 267      | 5/3/2011 4:01  | 13.38  | 46.34  | 30.06        | 8.50    | 7.82 | 9.6               | 2.20            | 98.0  |
| 268      | 5/3/2011 4:16  | 13.64  | 45.77  | 29.66        | 8.40    | 7.83 | 10.0              | 2.08            | 97.2  |
| 269      | 5/3/2011 4:31  | 13.85  | 45.73  | 29.63        | 8.36    | 7.83 | 10.3              | 1.95            | 97.1  |
| 270      | 5/3/2011 4:46  | 14.02  | 45.45  | 29.44        | 8.35    | 7.84 | 10.8              | 1.80            | 97.2  |
| 271      | 5/3/2011 5:01  | 14.22  | 45.35  | 29.37        | 8.36    | 7.84 | 11.7              | 1.69            | 97.7  |
| 272      | 5/3/2011 5:16  | 14.35  | 45.11  | 29.20        | 8.31    | 7.85 | 11.9              | 1.57            | 97.2  |
| 273      | 5/3/2011 5:31  | 14.47  | 44.71  | 28.92        | 8.27    | 7.85 | 11.8              | 1.45            | 96.8  |
| 274      | 5/3/2011 5:46  | 14.51  | 44.07  | 28.46        | 8.21    | 7.85 | 11.3              | 1.36            | 96.0  |
| 275      | 5/3/2011 6:01  | 14.53  | 44.04  | 28.44        | 8.14    | 7.85 | 10.9              | 1.28            | 95.2  |
| 276      | 5/3/2011 6:16  | 14.53  | 44.46  | 28.74        | 8.04    | 7.84 | 10.4              | 1.22            | 94.2  |
| 277      | 5/3/2011 6:31  | 14.51  | 44.34  | 28.65        | 8.04    | 7.85 | 10.7              | 1.19            | 94.1  |
| 278      | 5/3/2011 6:46  | 14.48  | 44.25  | 28.59        | 8.05    | 7.85 | 10.5              | 1.20            | 94.2  |
| 279      | 5/3/2011 7:01  | 14.46  | 44.66  | 28.88        | 8.08    | 7.84 | 10.3              | 1.23            | 94.6  |
| 280      | 5/3/2011 7:16  | 14.45  | 44.50  | 28.77        | 8.09    | 7.84 | 10.5              | 1.27            | 94.7  |
| 281      | 5/3/2011 7:31  | 14.43  | 44.39  | 28.69        | 8.15    | 7.84 | 11.5              | 1.33            | 95.2  |
| 282      | 5/3/2011 7:46  | 14.41  | 44.54  | 28.80        | 8.17    | 7.85 | 11.0              | 1.38            | 95.5  |
| 283      | 5/3/2011 8:01  | 14.40  | 44.75  | 28.95        | 8.17    | 7.84 | 9.9               | 1.45            | 95.6  |
| 284      | 5/3/2011 8:16  | 14.27  | 43.62  | 28.13        | 8.22    | 7.82 | 9.9               | 1.52            | 95.4  |
| 285      | 5/3/2011 8:31  | 14.36  | 44.00  | 28.40        | 8.23    | 7.83 | 8.7               | 1.57            | 95.9  |
| 286      | 5/3/2011 8:46  | 14.37  | 44.08  | 28.47        | 8.22    | 7.83 | 8.6               | 1.66            | 95.8  |
| 287      | 5/3/2011 9:01  | 14.36  | 44.69  | 28.90        | 8.15    | 7.83 | 8.3               | 1.72            | 95.3  |
| 288      | 5/3/2011 9:16  | 14.29  | 44.62  | 28.85        | 8.18    | 7.82 | 8.5               | 1.80            | 95.4  |
| 289      | 5/3/2011 9:31  | 14.17  | 44.91  | 29.05        | 8.24    | 7.82 | 7.8               | 1.90            | 96.1  |
| 290      | 5/3/2011 9:46  | 14.09  | 45.19  | 29.25        | 8.35    | 7.83 | 7.5               | 1.98            | 97.3  |
| 291      | 5/3/2011 10:01 | 13.89  | 45.66  | 29.59        | 8.33    | 7.81 | 7.1               | 2.07            | 96.8  |
| 292      | 5/3/2011 10:16 | 13.81  | 45.73  | 29.63        | 8.40    | 7.81 | 6.8               | 2.17            | 97.5  |
| 293      | 5/3/2011 10:31 | 13.87  | 45.36  | 29.37        | 8.46    | 7.82 | 6.5               | 2.27            | 98.2  |
| 294      | 5/3/2011 10:46 | 13.70  | 45.52  | 29.48        | 8.51    | 7.81 | 6.5               | 2.37            | 98.5  |
| 295      | 5/3/2011 11:01 | 13.51  | 46.12  | 29.91        | 8.46    | 7.80 | 6.2               | 2.45            | 97.7  |
| 296      | 5/3/2011 11:16 | 13.12  | 47.04  | 30.55        | 8.31    | 7.79 | 7.0               | 2.54            | 95.7  |
| 297      | 5/3/2011 11:31 | 13.14  | 46.99  | 30.52        | 8.45    | 7.79 | 7.1               | 2.63            | 97.3  |
| 298      | 5/3/2011 11:46 | 13.14  | 46.84  | 30.41        | 8.53    | 7.80 | 7.2               | 2.69            | 98.1  |
| 299      | 5/3/2011 12:01 | 12.99  | 46.94  | 30.48        | 8.56    | 7.80 | 6.9               | 2.76            | 98.2  |
| 300      | 5/3/2011 12:16 | 12.89  | 47.16  | 30.63        | 8.57    | 7.79 | 7.0               | 2.83            | 98.3  |
| 301      | 5/3/2011 12:31 | 12.81  | 47.35  | 30.77        | 8.57    | 7.79 | 6.2               | 2.89            | 98.1  |
| 302      | 5/3/2011 12:46 | 12.58  | 47.74  | 31.04        | 8.49    | 7.78 | 6.1               | 2.94            | 96.9  |
| 303      | 5/3/2011 13:01 | 12.38  | 47.94  | 31.18        | 8.46    | 7.78 | 6.1               | 2.99            | 96.3  |
| 304      | 5/3/2011 13:16 | 12.21  | 47.92  | 31.16        | 8.49    | 7.77 | 5.7               | 3.02            | 96.3  |
| 305      | 5/3/2011 13:31 | 12.17  | 48.31  | 31.44        | 8.54    | 7.78 | 5.2               | 3.04            | 96.9  |
| 306      | 5/3/2011 13:46 | 12.34  | 48.40  | 31.51        | 8.47    | 7.77 | 4.6               | 3.06            | 96.5  |
| 307      | 5/3/2011 14:01 | 12.57  | 48.11  | 31.31        | 8.51    | 7.78 | 5.5               | 3.06            | 97.3  |
| 308      | 5/3/2011 14:16 | 12.50  | 48.12  | 31.31        | 8.54    | 7.78 | 6.3               | 3.05            | 97.6  |
| 309      | 5/3/2011 14:31 | 13.30  | 47.48  | 30.88        | 8.97    | 7.82 | 9.3               | 3.01            | 103.9 |
| 310      | 5/3/2011 14:46 | 13.25  | 47.89  | 31.18        | 9.08    | 7.83 | 10.6              | 2.96            | 105.2 |
| 311      | 5/3/2011 15:01 | 13.21  | 47.90  | 31.18        | 9.12    | 7.83 | 10.4              | 2.90            | 105.5 |
| 312      | 5/3/2011 15:16 | 13.36  | 47.80  | 31.11        | 9.11    | 7.83 | 11.5              | 2.84            | 105.8 |
| 313      | 5/3/2011 15:31 | 13.68  | 47.25  | 30.73        | 9.02    | 7.83 | 17.2              | 2.76            | 105.1 |
| 314      | 5/3/2011 15:46 | 13.77  | 47.15  | 30.66        | 9.01    | 7.83 | 22.4              | 2.69            | 105.1 |
| 315      | 5/3/2011 16:01 | 13.91  | 47.18  | 30.68        | 8.91    | 7.83 | 29.0              | 2.62            | 104.3 |
| 316      | 5/3/2011 16:16 | 14.06  | 46.97  | 30.53        | 8.81    | 7.83 | 37.6              | 2.55            | 103.4 |
| 317      | 5/3/2011 16:31 | 14.21  | 46.87  | 30.47        | 8.85    | 7.83 | 32.8              | 2.48            | 104.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 318      | 5/3/2011 16:46 | 14.36  | 46.72  | 30.36        | 8.99    | 7.85 | 25.2              | 2.41            | 106.1 |
| 319      | 5/3/2011 17:01 | 14.60  | 46.76  | 30.40        | 8.96    | 7.86 | 24.2              | 2.33            | 106.2 |
| 320      | 5/3/2011 17:16 | 14.81  | 46.42  | 30.16        | 8.81    | 7.87 | 27.3              | 2.28            | 104.7 |
| 321      | 5/3/2011 17:31 | 14.87  | 45.74  | 29.67        | 8.77    | 7.87 | 28.7              | 2.23            | 104.0 |
| 322      | 5/3/2011 17:46 | 14.94  | 45.78  | 29.70        | 8.72    | 7.87 | 28.1              | 2.18            | 103.7 |
| 323      | 5/3/2011 18:01 | 14.96  | 45.80  | 29.71        | 8.67    | 7.87 | 29.4              | 2.14            | 103.1 |
| 324      | 5/3/2011 18:16 | 14.97  | 45.62  | 29.58        | 8.64    | 7.86 | 27.6              | 2.10            | 102.6 |
| 325      | 5/3/2011 18:31 | 15.01  | 45.56  | 29.54        | 8.58    | 7.87 | 22.9              | 2.12            | 102.0 |
| 326      | 5/3/2011 18:46 | 15.03  | 45.58  | 29.56        | 8.50    | 7.86 | 19.9              | 2.12            | 101.1 |
| 327      | 5/3/2011 19:01 | 15.04  | 45.54  | 29.52        | 8.59    | 7.86 | 21.5              | 2.13            | 102.1 |
| 328      | 5/3/2011 19:16 | 14.96  | 45.43  | 29.45        | 8.61    | 7.86 | 18.7              | 2.16            | 102.2 |
| 329      | 5/3/2011 19:31 | 14.99  | 45.17  | 29.26        | 8.63    | 7.86 | 18.1              | 2.22            | 102.4 |
| 330      | 5/3/2011 19:46 | 14.95  | 45.23  | 29.30        | 8.54    | 7.85 | 20.1              | 2.28            | 101.2 |
| 331      | 5/3/2011 20:01 | 14.81  | 45.69  | 29.63        | 8.48    | 7.84 | 17.5              | 2.32            | 100.5 |
| 332      | 5/3/2011 20:16 | 14.74  | 45.69  | 29.63        | 8.55    | 7.83 | 16.1              | 2.39            | 101.1 |
| 333      | 5/3/2011 20:31 | 14.89  | 45.44  | 29.45        | 8.53    | 7.83 | 17.2              | 2.48            | 101.2 |
| 334      | 5/3/2011 20:46 | 14.70  | 45.85  | 29.74        | 8.51    | 7.83 | 14.5              | 2.54            | 100.7 |
| 335      | 5/3/2011 21:01 | 14.62  | 45.39  | 29.41        | 8.58    | 7.83 | 13.2              | 2.61            | 101.1 |
| 336      | 5/3/2011 21:16 | 14.52  | 45.75  | 29.67        | 8.61    | 7.83 | 15.5              | 2.68            | 101.4 |
| 337      | 5/3/2011 21:31 | 14.18  | 46.29  | 30.05        | 8.61    | 7.82 | 12.6              | 2.77            | 101.0 |
| 338      | 5/3/2011 21:46 | 14.00  | 46.80  | 30.41        | 8.68    | 7.82 | 11.2              | 2.85            | 101.7 |
| 339      | 5/3/2011 22:01 | 13.85  | 46.60  | 30.26        | 8.69    | 7.82 | 9.6               | 2.91            | 101.3 |
| 340      | 5/3/2011 22:16 | 13.53  | 47.22  | 30.70        | 8.81    | 7.82 | 11.0              | 3.00            | 102.4 |
| 341      | 5/3/2011 22:31 | 12.96  | 47.76  | 31.07        | 8.80    | 7.80 | 8.9               | 3.08            | 101.2 |
| 342      | 5/3/2011 22:46 | 12.24  | 48.66  | 31.70        | 8.65    | 7.77 | 7.6               | 3.15            | 98.5  |
| 343      | 5/3/2011 23:01 | 11.92  | 48.91  | 31.86        | 8.60    | 7.77 | 7.6               | 3.22            | 97.4  |
| 344      | 5/3/2011 23:16 | 11.82  | 49.08  | 31.98        | 8.65    | 7.77 | 9.1               | 3.30            | 97.7  |
| 345      | 5/3/2011 23:31 | 11.66  | 49.60  | 32.35        | 8.69    | 7.76 | 11.2              | 3.38            | 98.1  |
| 346      | 5/3/2011 23:46 | 11.47  | 49.66  | 32.39        | 8.70    | 7.76 | 10.8              | 3.44            | 97.8  |
| 347      | 5/4/2011 0:01  | 11.24  | 50.09  | 32.69        | 8.69    | 7.76 | 8.9               | 3.49            | 97.4  |
| 348      | 5/4/2011 0:16  | 11.10  | 50.02  | 32.62        | 8.63    | 7.75 | 6.4               | 3.54            | 96.5  |
| 349      | 5/4/2011 0:31  | 10.98  | 50.43  | 32.92        | 8.58    | 7.74 | 5.9               | 3.57            | 95.8  |
| 350      | 5/4/2011 0:46  | 10.98  | 49.91  | 32.53        | 8.60    | 7.75 | 5.1               | 3.60            | 95.8  |
| 351      | 5/4/2011 1:01  | 11.02  | 50.26  | 32.79        | 8.47    | 7.74 | 6.5               | 3.58            | 94.6  |
| 352      | 5/4/2011 1:16  | 10.91  | 50.10  | 32.67        | 8.49    | 7.74 | 6.1               | 3.55            | 94.5  |
| 353      | 5/4/2011 1:31  | 12.19  | 47.99  | 31.21        | 8.38    | 7.78 | 10.2              | 3.51            | 95.0  |
| 354      | 5/4/2011 1:46  | 11.95  | 48.57  | 31.62        | 8.42    | 7.77 | 9.5               | 3.43            | 95.2  |
| 355      | 5/4/2011 2:01  | 11.99  | 48.65  | 31.68        | 8.40    | 7.76 | 9.6               | 3.35            | 95.1  |
| 356      | 5/4/2011 2:16  | 12.23  | 48.18  | 31.35        | 8.44    | 7.78 | 13.9              | 3.25            | 95.9  |
| 357      | 5/4/2011 2:31  | 12.28  | 48.33  | 31.46        | 8.46    | 7.78 | 12.8              | 3.17            | 96.2  |
| 358      | 5/4/2011 2:46  | 12.47  | 48.18  | 31.36        | 8.42    | 7.77 | 14.5              | 3.06            | 96.1  |
| 359      | 5/4/2011 3:01  | 12.52  | 48.12  | 31.31        | 8.40    | 7.77 | 14.4              | 2.96            | 96.0  |
| 360      | 5/4/2011 3:16  | 12.59  | 47.97  | 31.21        | 8.31    | 7.77 | 9.5               | 2.84            | 95.0  |
| 361      | 5/4/2011 3:31  | 12.53  | 48.05  | 31.27        | 8.32    | 7.77 | 10.1              | 2.74            | 95.0  |
| 362      | 5/4/2011 3:46  | 12.76  | 47.70  | 31.02        | 8.30    | 7.78 | 9.1               | 2.63            | 95.1  |
| 363      | 5/4/2011 4:01  | 12.72  | 47.50  | 30.88        | 8.28    | 7.77 | 10.8              | 2.51            | 94.7  |
| 364      | 5/4/2011 4:16  | 13.41  | 46.57  | 30.23        | 8.13    | 7.79 | 13.9              | 2.39            | 93.9  |
| 365      | 5/4/2011 4:31  | 13.48  | 46.42  | 30.12        | 8.07    | 7.78 | 15.2              | 2.27            | 93.3  |
| 366      | 5/4/2011 4:46  | 13.50  | 46.03  | 29.84        | 8.01    | 7.79 | 13.9              | 2.13            | 92.5  |
| 367      | 5/4/2011 5:01  | 13.62  | 45.94  | 29.78        | 7.96    | 7.78 | 16.6              | 2.01            | 92.1  |
| 368      | 5/4/2011 5:16  | 13.50  | 46.07  | 29.87        | 7.90    | 7.78 | 16.4              | 1.85            | 91.2  |
| 369      | 5/4/2011 5:31  | 13.74  | 45.86  | 29.72        | 7.84    | 7.79 | 18.6              | 1.72            | 90.9  |
| 370      | 5/4/2011 5:46  | 13.95  | 45.98  | 29.82        | 7.80    | 7.79 | 18.9              | 1.59            | 90.9  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 371      | 5/4/2011 6:01  | 13.99  | 45.69  | 29.61        | 7.72    | 7.78 | 19.4              | 1.47            | 89.9  |
| 372      | 5/4/2011 6:16  | 14.03  | 45.27  | 29.31        | 7.69    | 7.78 | 18.6              | 1.37            | 89.5  |
| 373      | 5/4/2011 6:31  | 14.07  | 45.37  | 29.38        | 7.61    | 7.78 | 18.6              | 1.27            | 88.7  |
| 374      | 5/4/2011 6:46  | 14.07  | 45.01  | 29.13        | 7.55    | 7.77 | 20.5              | 1.21            | 87.9  |
| 375      | 5/4/2011 7:01  | 14.09  | 45.37  | 29.38        | 7.52    | 7.77 | 18.7              | 1.13            | 87.7  |
| 376      | 5/4/2011 7:16  | 14.01  | 45.10  | 29.19        | 7.49    | 7.76 | 16.4              | 1.11            | 87.1  |
| 377      | 5/4/2011 7:31  | 14.03  | 45.17  | 29.24        | 7.58    | 7.77 | 14.8              | 1.15            | 88.2  |
| 378      | 5/4/2011 7:46  | 14.02  | 45.31  | 29.34        | 7.58    | 7.77 | 15.7              | 1.19            | 88.2  |
| 379      | 5/4/2011 8:01  | 14.03  | 45.38  | 29.39        | 7.60    | 7.77 | 16.1              | 1.24            | 88.5  |
| 380      | 5/4/2011 8:16  | 14.03  | 45.38  | 29.39        | 7.65    | 7.78 | 16.2              | 1.31            | 89.1  |
| 381      | 5/4/2011 8:31  | 14.03  | 45.43  | 29.42        | 7.68    | 7.78 | 14.5              | 1.38            | 89.5  |
| 382      | 5/4/2011 8:46  | 14.01  | 44.69  | 28.89        | 7.73    | 7.78 | 14.0              | 1.45            | 89.7  |
| 383      | 5/4/2011 9:01  | 14.04  | 44.17  | 28.52        | 7.79    | 7.78 | 12.3              | 1.52            | 90.2  |
| 384      | 5/4/2011 9:16  | 14.01  | 44.75  | 28.94        | 7.76    | 7.78 | 12.5              | 1.59            | 90.1  |
| 385      | 5/4/2011 9:31  | 14.03  | 44.73  | 28.93        | 7.75    | 7.78 | 12.0              | 1.67            | 90.0  |
| 386      | 5/4/2011 9:46  | 14.04  | 44.43  | 28.71        | 7.69    | 7.77 | 11.5              | 1.75            | 89.2  |
| 387      | 5/4/2011 10:01 | 13.90  | 45.09  | 29.18        | 7.80    | 7.78 | 10.7              | 1.83            | 90.5  |
| 388      | 5/4/2011 10:16 | 13.78  | 45.50  | 29.47        | 7.88    | 7.78 | 10.6              | 1.93            | 91.3  |
| 389      | 5/4/2011 10:31 | 13.77  | 45.52  | 29.48        | 8.04    | 7.79 | 10.6              | 2.01            | 93.2  |
| 390      | 5/4/2011 10:46 | 13.69  | 45.89  | 29.75        | 8.06    | 7.79 | 9.1               | 2.11            | 93.4  |
| 391      | 5/4/2011 11:01 | 13.55  | 46.48  | 30.17        | 8.19    | 7.77 | 9.2               | 2.22            | 94.9  |
| 392      | 5/4/2011 11:16 | 13.29  | 46.63  | 30.27        | 8.14    | 7.78 | 9.3               | 2.30            | 93.9  |
| 393      | 5/4/2011 11:31 | 13.13  | 46.98  | 30.52        | 8.20    | 7.78 | 11.8              | 2.40            | 94.4  |
| 394      | 5/4/2011 11:46 | 13.05  | 47.19  | 30.66        | 8.22    | 7.77 | 12.7              | 2.49            | 94.6  |
| 395      | 5/4/2011 12:01 | 13.05  | 47.54  | 30.92        | 8.27    | 7.77 | 10.7              | 2.57            | 95.3  |
| 396      | 5/4/2011 12:16 | 13.09  | 47.44  | 30.84        | 8.42    | 7.78 | 11.0              | 2.65            | 97.0  |
| 397      | 5/4/2011 12:31 | 12.87  | 47.46  | 30.85        | 8.48    | 7.79 | 13.5              | 2.72            | 97.3  |
| 398      | 5/4/2011 12:46 | 12.78  | 47.70  | 31.02        | 8.52    | 7.78 | 13.1              | 2.79            | 97.6  |
| 399      | 5/4/2011 13:01 | 12.69  | 47.70  | 31.02        | 8.60    | 7.79 | 11.7              | 2.86            | 98.4  |
| 400      | 5/4/2011 13:16 | 12.37  | 48.19  | 31.36        | 8.77    | 7.78 | 13.1              | 2.92            | 99.9  |
| 401      | 5/4/2011 13:31 | 12.17  | 48.69  | 31.72        | 8.87    | 7.78 | 11.6              | 2.97            | 100.8 |
| 402      | 5/4/2011 13:46 | 12.04  | 48.94  | 31.89        | 8.90    | 7.77 | 10.6              | 3.02            | 101.0 |
| 403      | 5/4/2011 14:01 | 11.90  | 49.24  | 32.10        | 8.88    | 7.77 | 8.8               | 3.06            | 100.6 |
| 404      | 5/4/2011 14:16 | 11.78  | 49.36  | 32.18        | 8.86    | 7.76 | 7.4               | 3.09            | 100.1 |
| 405      | 5/4/2011 14:31 | 12.12  | 49.12  | 32.02        | 8.87    | 7.77 | 7.2               | 3.11            | 100.9 |
| 406      | 5/4/2011 14:46 | 11.85  | 49.42  | 32.22        | 8.67    | 7.75 | 6.2               | 3.10            | 98.2  |
| 407      | 5/4/2011 15:01 | 11.73  | 49.25  | 32.10        | 8.69    | 7.75 | 7.2               | 3.08            | 98.1  |
| 408      | 5/4/2011 15:16 | 12.79  | 48.51  | 31.61        | 9.02    | 7.80 | 11.2              | 3.04            | 103.8 |
| 409      | 5/4/2011 15:31 | 12.59  | 48.68  | 31.72        | 8.89    | 7.79 | 7.6               | 2.98            | 101.9 |
| 410      | 5/4/2011 15:46 | 12.75  | 48.48  | 31.58        | 8.87    | 7.79 | 8.5               | 2.92            | 102.0 |
| 411      | 5/4/2011 16:01 | 13.39  | 48.09  | 31.32        | 8.85    | 7.81 | 7.9               | 2.85            | 102.9 |
| 412      | 5/4/2011 16:16 | 12.95  | 48.04  | 31.28        | 8.88    | 7.80 | 9.8               | 2.77            | 102.3 |
| 413      | 5/4/2011 16:31 | 13.52  | 47.75  | 31.08        | 8.99    | 7.83 | 8.9               | 2.69            | 104.7 |
| 414      | 5/4/2011 16:46 | 14.40  | 47.07  | 30.62        | 9.35    | 7.87 | 9.2               | 2.63            | 110.6 |
| 415      | 5/4/2011 17:01 | 14.61  | 46.88  | 30.48        | 9.41    | 7.88 | 9.2               | 2.56            | 111.6 |
| 416      | 5/4/2011 17:16 | 14.99  | 46.72  | 30.38        | 9.65    | 7.90 | 7.8               | 2.48            | 115.2 |
| 417      | 5/4/2011 17:31 | 14.88  | 46.56  | 30.26        | 9.59    | 7.89 | 7.3               | 2.44            | 114.2 |
| 418      | 5/4/2011 17:46 | 15.15  | 46.59  | 30.29        | 9.64    | 7.90 | 7.4               | 2.38            | 115.5 |
| 419      | 5/4/2011 18:01 | 15.50  | 46.43  | 30.18        | 9.69    | 7.91 | 7.3               | 2.32            | 116.8 |
| 420      | 5/4/2011 18:16 | 15.34  | 46.43  | 30.18        | 9.63    | 7.90 | 6.5               | 2.28            | 115.7 |
| 421      | 5/4/2011 18:31 | 15.35  | 46.37  | 30.13        | 9.54    | 7.90 | 6.8               | 2.25            | 114.7 |
| 422      | 5/4/2011 18:46 | 15.35  | 45.93  | 29.82        | 9.51    | 7.90 | 7.1               | 2.22            | 114.0 |
| 423      | 5/4/2011 19:01 | 15.32  | 46.03  | 29.89        | 9.38    | 7.89 | 6.8               | 2.21            | 112.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 424      | 5/4/2011 19:16 | 15.30  | 46.44  | 30.18        | 9.44    | 7.89 | 7.0        | 2.21   | 113.4 |
| 425      | 5/4/2011 19:31 | 15.31  | 46.26  | 30.05        | 9.61    | 7.91 | 7.0        | 2.23   | 115.3 |
| 426      | 5/4/2011 19:46 | 15.26  | 46.13  | 29.96        | 9.51    | 7.90 | 6.9        | 2.26   | 113.9 |
| 427      | 5/4/2011 20:01 | 14.92  | 46.28  | 30.06        | 9.30    | 7.87 | 7.2        | 2.29   | 110.7 |
| 428      | 5/4/2011 20:16 | 14.97  | 46.23  | 30.02        | 9.36    | 7.87 | 6.7        | 2.35   | 111.6 |
| 429      | 5/4/2011 20:31 | 15.19  | 45.90  | 29.79        | 9.46    | 7.89 | 7.3        | 2.41   | 113.0 |
| 430      | 5/4/2011 20:46 | 14.87  | 46.48  | 30.20        | 9.21    | 7.87 | 6.7        | 2.48   | 109.6 |
| 431      | 5/4/2011 21:01 | 14.49  | 46.99  | 30.56        | 8.96    | 7.83 | 7.1        | 2.54   | 106.1 |
| 432      | 5/4/2011 21:16 | 14.06  | 47.28  | 30.76        | 9.01    | 7.82 | 6.4        | 2.60   | 105.8 |
| 433      | 5/4/2011 21:31 | 14.05  | 47.32  | 30.79        | 9.09    | 7.82 | 6.7        | 2.68   | 106.8 |
| 434      | 5/4/2011 21:46 | 13.97  | 47.47  | 30.89        | 9.08    | 7.83 | 6.4        | 2.76   | 106.6 |
| 435      | 5/4/2011 22:01 | 13.70  | 47.51  | 30.91        | 8.98    | 7.82 | 6.5        | 2.83   | 104.9 |
| 436      | 5/4/2011 22:16 | 13.45  | 47.64  | 31.00        | 9.09    | 7.82 | 8.1        | 2.90   | 105.6 |
| 437      | 5/4/2011 22:31 | 13.08  | 48.23  | 31.42        | 9.02    | 7.80 | 6.6        | 2.98   | 104.3 |
| 438      | 5/4/2011 22:46 | 12.84  | 48.55  | 31.64        | 9.02    | 7.80 | 7.0        | 3.06   | 103.9 |
| 439      | 5/4/2011 23:01 | 12.21  | 49.04  | 31.97        | 8.89    | 7.77 | 5.0        | 3.13   | 101.3 |
| 440      | 5/4/2011 23:16 | 11.60  | 49.60  | 32.34        | 8.70    | 7.73 | 7.2        | 3.21   | 98.1  |
| 441      | 5/4/2011 23:31 | 11.47  | 49.81  | 32.49        | 8.77    | 7.73 | 8.0        | 3.29   | 98.7  |
| 442      | 5/4/2011 23:46 | 11.31  | 49.79  | 32.47        | 8.82    | 7.73 | 7.7        | 3.36   | 98.9  |
| 443      | 5/5/2011 0:01  | 11.23  | 49.84  | 32.50        | 8.92    | 7.74 | 7.1        | 3.44   | 99.9  |
| 444      | 5/5/2011 0:16  | 11.02  | 50.29  | 32.81        | 8.93    | 7.73 | 7.2        | 3.49   | 99.8  |
| 445      | 5/5/2011 0:31  | 10.91  | 50.50  | 32.96        | 8.89    | 7.72 | 6.3        | 3.54   | 99.2  |
| 446      | 5/5/2011 0:46  | 10.73  | 50.62  | 33.04        | 8.86    | 7.71 | 6.2        | 3.59   | 98.4  |
| 447      | 5/5/2011 1:01  | 10.62  | 50.64  | 33.04        | 8.82    | 7.71 | 4.8        | 3.62   | 97.8  |
| 448      | 5/5/2011 1:16  | 10.64  | 50.64  | 33.05        | 8.79    | 7.71 | 5.1        | 3.63   | 97.5  |
| 449      | 5/5/2011 1:31  | 10.64  | 50.47  | 32.92        | 8.68    | 7.69 | 4.8        | 3.62   | 96.3  |
| 450      | 5/5/2011 1:46  | 10.58  | 50.45  | 32.91        | 8.73    | 7.70 | 5.9        | 3.60   | 96.7  |
| 451      | 5/5/2011 2:01  | 10.97  | 50.11  | 32.68        | 8.66    | 7.71 | 5.7        | 3.55   | 96.5  |
| 452      | 5/5/2011 2:16  | 11.43  | 49.41  | 32.20        | 8.66    | 7.73 | 6.2        | 3.47   | 97.2  |
| 453      | 5/5/2011 2:31  | 11.61  | 49.46  | 32.25        | 8.63    | 7.74 | 8.1        | 3.39   | 97.3  |
| 454      | 5/5/2011 2:46  | 11.70  | 49.27  | 32.11        | 8.71    | 7.75 | 6.8        | 3.32   | 98.3  |
| 455      | 5/5/2011 3:01  | 12.23  | 48.73  | 31.75        | 8.61    | 7.76 | 6.7        | 3.20   | 98.0  |
| 456      | 5/5/2011 3:16  | 12.34  | 48.58  | 31.64        | 8.64    | 7.77 | 7.4        | 3.10   | 98.6  |
| 457      | 5/5/2011 3:31  | 12.42  | 48.47  | 31.57        | 8.67    | 7.77 | 7.3        | 3.00   | 99.0  |
| 458      | 5/5/2011 3:46  | 12.30  | 48.87  | 31.85        | 8.64    | 7.76 | 6.4        | 2.89   | 98.6  |
| 459      | 5/5/2011 4:01  | 12.66  | 48.39  | 31.52        | 8.59    | 7.77 | 7.3        | 2.78   | 98.5  |
| 460      | 5/5/2011 4:16  | 12.58  | 48.06  | 31.27        | 8.62    | 7.77 | 7.0        | 2.67   | 98.6  |
| 461      | 5/5/2011 4:31  | 12.57  | 48.21  | 31.38        | 8.60    | 7.77 | 6.8        | 2.55   | 98.3  |
| 462      | 5/5/2011 4:46  | 12.88  | 47.72  | 31.04        | 8.62    | 7.78 | 8.4        | 2.43   | 99.0  |
| 463      | 5/5/2011 5:01  | 13.55  | 47.09  | 30.61        | 8.47    | 7.80 | 9.9        | 2.30   | 98.4  |
| 464      | 5/5/2011 5:16  | 13.75  | 46.95  | 30.51        | 8.50    | 7.80 | 11.8       | 2.17   | 99.1  |
| 465      | 5/5/2011 5:31  | 13.94  | 46.73  | 30.36        | 8.45    | 7.81 | 12.3       | 2.04   | 98.8  |
| 466      | 5/5/2011 5:46  | 13.98  | 46.49  | 30.19        | 8.36    | 7.80 | 12.3       | 1.90   | 97.7  |
| 467      | 5/5/2011 6:01  | 14.07  | 46.44  | 30.15        | 8.30    | 7.80 | 13.4       | 1.76   | 97.2  |
| 468      | 5/5/2011 6:16  | 14.23  | 46.23  | 30.01        | 8.27    | 7.80 | 13.2       | 1.63   | 97.0  |
| 469      | 5/5/2011 6:31  | 14.47  | 46.15  | 29.95        | 8.23    | 7.81 | 13.6       | 1.50   | 97.1  |
| 470      | 5/5/2011 6:46  | 14.64  | 45.77  | 29.69        | 8.20    | 7.82 | 14.0       | 1.40   | 96.8  |
| 471      | 5/5/2011 7:01  | 14.73  | 45.77  | 29.69        | 8.15    | 7.81 | 12.8       | 1.29   | 96.5  |
| 472      | 5/5/2011 7:16  | 14.78  | 45.38  | 29.41        | 8.09    | 7.81 | 16.9       | 1.21   | 95.6  |
| 473      | 5/5/2011 7:31  | 14.80  | 45.28  | 29.33        | 7.98    | 7.81 | 12.7       | 1.16   | 94.4  |
| 474      | 5/5/2011 7:46  | 14.75  | 45.23  | 29.30        | 8.02    | 7.81 | 13.2       | 1.13   | 94.7  |
| 475      | 5/5/2011 8:01  | 14.74  | 45.68  | 29.62        | 8.07    | 7.81 | 10.7       | 1.13   | 95.4  |
| 476      | 5/5/2011 8:16  | 14.68  | 45.61  | 29.57        | 8.06    | 7.81 | 10.3       | 1.15   | 95.2  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 477      | 5/5/2011 8:31  | 14.63  | 45.61  | 29.57        | 8.10    | 7.81 | 11.2              | 1.22            | 95.6  |
| 478      | 5/5/2011 8:46  | 14.63  | 45.78  | 29.69        | 8.14    | 7.81 | 11.5              | 1.28            | 96.2  |
| 479      | 5/5/2011 9:01  | 14.63  | 45.85  | 29.74        | 8.19    | 7.81 | 9.5               | 1.32            | 96.8  |
| 480      | 5/5/2011 9:16  | 14.60  | 45.69  | 29.63        | 8.16    | 7.81 | 9.6               | 1.40            | 96.3  |
| 481      | 5/5/2011 9:31  | 14.74  | 44.99  | 29.12        | 8.25    | 7.80 | 8.2               | 1.47            | 97.3  |
| 482      | 5/5/2011 9:46  | 14.77  | 44.86  | 29.03        | 8.21    | 7.80 | 8.8               | 1.53            | 96.8  |
| 483      | 5/5/2011 10:01 | 14.68  | 45.21  | 29.28        | 8.21    | 7.80 | 8.1               | 1.61            | 96.8  |
| 484      | 5/5/2011 10:16 | 14.60  | 45.23  | 29.29        | 8.21    | 7.80 | 8.2               | 1.68            | 96.7  |
| 485      | 5/5/2011 10:31 | 14.56  | 45.40  | 29.42        | 8.15    | 7.80 | 7.6               | 1.78            | 95.9  |
| 486      | 5/5/2011 10:46 | 14.41  | 45.65  | 29.59        | 8.28    | 7.80 | 8.3               | 1.86            | 97.3  |
| 487      | 5/5/2011 11:01 | 14.29  | 46.00  | 29.84        | 8.33    | 7.79 | 7.8               | 1.94            | 97.7  |
| 488      | 5/5/2011 11:16 | 14.17  | 46.45  | 30.17        | 8.46    | 7.80 | 8.3               | 2.04            | 99.3  |
| 489      | 5/5/2011 11:31 | 14.22  | 46.26  | 30.03        | 8.60    | 7.80 | 7.7               | 2.14            | 100.9 |
| 490      | 5/5/2011 11:46 | 14.01  | 46.41  | 30.13        | 8.54    | 7.79 | 7.1               | 2.23            | 99.9  |
| 491      | 5/5/2011 12:01 | 13.67  | 47.06  | 30.59        | 8.50    | 7.79 | 6.8               | 2.33            | 99.0  |
| 492      | 5/5/2011 12:16 | 13.50  | 47.22  | 30.70        | 8.59    | 7.79 | 9.3               | 2.42            | 99.8  |
| 493      | 5/5/2011 12:31 | 13.35  | 47.88  | 31.17        | 8.52    | 7.77 | 8.9               | 2.51            | 98.9  |
| 494      | 5/5/2011 12:46 | 13.36  | 47.68  | 31.03        | 8.58    | 7.78 | 7.9               | 2.59            | 99.6  |
| 495      | 5/5/2011 13:01 | 13.33  | 47.73  | 31.06        | 8.64    | 7.78 | 9.2               | 2.66            | 100.1 |
| 496      | 5/5/2011 13:16 | 13.07  | 47.94  | 31.21        | 8.75    | 7.78 | 10.1              | 2.73            | 101.0 |
| 497      | 5/5/2011 13:31 | 12.96  | 48.09  | 31.31        | 8.79    | 7.78 | 9.0               | 2.80            | 101.3 |
| 498      | 5/5/2011 13:46 | 12.83  | 48.28  | 31.44        | 8.80    | 7.78 | 9.0               | 2.86            | 101.2 |
| 499      | 5/5/2011 14:01 | 12.45  | 48.67  | 31.71        | 8.71    | 7.75 | 9.4               | 2.91            | 99.6  |
| 500      | 5/5/2011 14:16 | 12.16  | 48.67  | 31.70        | 8.73    | 7.75 | 9.0               | 2.97            | 99.2  |
| 501      | 5/5/2011 14:31 | 12.00  | 49.23  | 32.10        | 8.79    | 7.75 | 7.4               | 3.01            | 99.7  |
| 502      | 5/5/2011 14:46 | 11.91  | 49.44  | 32.24        | 8.73    | 7.74 | 6.5               | 3.05            | 99.0  |
| 503      | 5/5/2011 15:01 | 12.05  | 49.30  | 32.15        | 8.74    | 7.76 | 5.1               | 3.07            | 99.3  |
| 504      | 5/5/2011 15:16 | 11.96  | 49.51  | 32.30        | 8.62    | 7.75 | 4.7               | 3.07            | 97.9  |
| 505      | 5/5/2011 15:31 | 11.96  | 49.31  | 32.15        | 8.63    | 7.74 | 6.8               | 3.06            | 98.0  |
| 506      | 5/5/2011 15:46 | 12.49  | 49.08  | 32.01        | 8.97    | 7.77 | 6.5               | 3.03            | 102.9 |
| 507      | 5/5/2011 16:01 | 12.70  | 48.73  | 31.77        | 8.88    | 7.77 | 8.1               | 2.98            | 102.1 |
| 508      | 5/5/2011 16:16 | 13.16  | 48.46  | 31.59        | 9.19    | 7.80 | 8.4               | 2.92            | 106.6 |
| 509      | 5/5/2011 16:31 | 13.42  | 48.73  | 31.79        | 9.36    | 7.82 | 8.9               | 2.86            | 109.2 |
| 510      | 5/5/2011 16:46 | 13.57  | 48.30  | 31.48        | 9.42    | 7.83 | 9.6               | 2.79            | 110.1 |
| 511      | 5/5/2011 17:01 | 13.80  | 48.17  | 31.40        | 9.47    | 7.84 | 10.1              | 2.71            | 111.1 |
| 512      | 5/5/2011 17:16 | 14.29  | 47.82  | 31.16        | 9.60    | 7.87 | 10.6              | 2.64            | 113.6 |
| 513      | 5/5/2011 17:31 | 14.55  | 47.73  | 31.10        | 9.67    | 7.88 | 10.8              | 2.57            | 114.9 |
| 514      | 5/5/2011 17:46 | 14.72  | 47.55  | 30.97        | 9.66    | 7.89 | 11.6              | 2.52            | 115.1 |
| 515      | 5/5/2011 18:01 | 14.89  | 47.28  | 30.78        | 9.67    | 7.90 | 10.6              | 2.46            | 115.6 |
| 516      | 5/5/2011 18:16 | 14.97  | 47.13  | 30.68        | 9.72    | 7.91 | 10.4              | 2.39            | 116.3 |
| 517      | 5/5/2011 18:31 | 15.03  | 46.98  | 30.57        | 9.60    | 7.90 | 10.4              | 2.35            | 114.9 |
| 518      | 5/5/2011 18:46 | 15.08  | 46.55  | 30.26        | 9.53    | 7.89 | 10.3              | 2.31            | 113.9 |
| 519      | 5/5/2011 19:01 | 15.09  | 46.56  | 30.26        | 9.53    | 7.90 | 10.4              | 2.27            | 113.9 |
| 520      | 5/5/2011 19:16 | 15.16  | 46.38  | 30.14        | 9.44    | 7.91 | 9.8               | 2.24            | 113.0 |
| 521      | 5/5/2011 19:31 | 15.02  | 46.56  | 30.26        | 9.10    | 7.87 | 6.8               | 2.23            | 108.7 |
| 522      | 5/5/2011 19:46 | 15.09  | 46.87  | 30.49        | 9.40    | 7.89 | 8.7               | 2.22            | 112.6 |
| 523      | 5/5/2011 20:01 | 15.08  | 46.41  | 30.16        | 9.50    | 7.90 | 8.6               | 2.24            | 113.6 |
| 524      | 5/5/2011 20:16 | 15.35  | 46.39  | 30.15        | 9.48    | 7.91 | 8.9               | 2.27            | 113.9 |
| 525      | 5/5/2011 20:31 | 15.00  | 46.77  | 30.41        | 9.43    | 7.88 | 9.2               | 2.29            | 112.7 |
| 526      | 5/5/2011 20:46 | 14.84  | 46.80  | 30.43        | 9.33    | 7.87 | 8.4               | 2.35            | 111.2 |
| 527      | 5/5/2011 21:01 | 14.95  | 46.44  | 30.17        | 9.41    | 7.88 | 8.2               | 2.41            | 112.1 |
| 528      | 5/5/2011 21:16 | 15.08  | 46.35  | 30.11        | 9.38    | 7.88 | 8.9               | 2.47            | 112.1 |
| 529      | 5/5/2011 21:31 | 14.70  | 47.04  | 30.60        | 9.24    | 7.86 | 7.0               | 2.53            | 109.9 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 530      | 5/5/2011 21:46 | 14.54  | 47.13  | 30.66        | 9.21    | 7.84 | 7.6        | 2.60   | 109.2 |
| 531      | 5/5/2011 22:01 | 14.37  | 47.25  | 30.74        | 9.19    | 7.84 | 6.9        | 2.67   | 108.7 |
| 532      | 5/5/2011 22:16 | 14.29  | 47.59  | 30.99        | 9.21    | 7.84 | 7.8        | 2.73   | 108.9 |
| 533      | 5/5/2011 22:31 | 13.93  | 47.93  | 31.22        | 9.03    | 7.81 | 6.7        | 2.80   | 106.1 |
| 534      | 5/5/2011 22:46 | 13.54  | 47.85  | 31.16        | 8.93    | 7.80 | 5.9        | 2.87   | 104.1 |
| 535      | 5/5/2011 23:01 | 13.47  | 47.95  | 31.22        | 8.95    | 7.81 | 5.8        | 2.94   | 104.2 |
| 536      | 5/5/2011 23:16 | 13.30  | 48.34  | 31.50        | 8.92    | 7.80 | 6.7        | 3.01   | 103.7 |
| 537      | 5/5/2011 23:31 | 13.14  | 48.40  | 31.54        | 9.00    | 7.80 | 7.3        | 3.08   | 104.3 |
| 538      | 5/5/2011 23:46 | 12.54  | 49.04  | 31.98        | 8.78    | 7.77 | 5.4        | 3.16   | 100.7 |
| 539      | 5/6/2011 0:01  | 12.05  | 49.53  | 32.31        | 8.60    | 7.75 | 5.1        | 3.23   | 97.9  |
| 540      | 5/6/2011 0:16  | 11.41  | 49.96  | 32.60        | 8.31    | 7.72 | 7.7        | 3.31   | 93.4  |
| 541      | 5/6/2011 0:31  | 11.29  | 50.04  | 32.65        | 8.30    | 7.72 | 7.1        | 3.37   | 93.1  |
| 542      | 5/6/2011 0:46  | 11.24  | 50.32  | 32.85        | 8.36    | 7.72 | 6.5        | 3.43   | 93.8  |
| 543      | 5/6/2011 1:01  | 11.11  | 50.22  | 32.77        | 8.37    | 7.72 | 5.6        | 3.49   | 93.6  |
| 544      | 5/6/2011 1:16  | 10.97  | 50.65  | 33.08        | 8.35    | 7.71 | 5.9        | 3.53   | 93.4  |
| 545      | 5/6/2011 1:31  | 10.89  | 50.52  | 32.97        | 8.29    | 7.70 | 4.6        | 3.56   | 92.5  |
| 546      | 5/6/2011 1:46  | 10.86  | 50.51  | 32.96        | 8.18    | 7.70 | 3.7        | 3.58   | 91.2  |
| 547      | 5/6/2011 2:01  | 10.95  | 50.36  | 32.87        | 8.17    | 7.71 | 4.6        | 3.57   | 91.1  |
| 548      | 5/6/2011 2:16  | 10.81  | 50.56  | 33.00        | 8.20    | 7.70 | 5.7        | 3.55   | 91.3  |
| 549      | 5/6/2011 2:31  | 11.32  | 50.17  | 32.74        | 8.25    | 7.72 | 6.5        | 3.51   | 92.7  |
| 550      | 5/6/2011 2:46  | 11.44  | 49.68  | 32.40        | 8.35    | 7.73 | 6.2        | 3.45   | 93.8  |
| 551      | 5/6/2011 3:01  | 12.03  | 49.42  | 32.24        | 8.36    | 7.75 | 6.3        | 3.38   | 95.0  |
| 552      | 5/6/2011 3:16  | 12.24  | 49.12  | 32.03        | 8.39    | 7.76 | 7.8        | 3.30   | 95.7  |
| 553      | 5/6/2011 3:31  | 12.37  | 48.74  | 31.76        | 8.42    | 7.76 | 7.3        | 3.20   | 96.1  |
| 554      | 5/6/2011 3:46  | 12.50  | 48.70  | 31.74        | 8.41    | 7.76 | 7.9        | 3.11   | 96.3  |
| 555      | 5/6/2011 4:01  | 12.53  | 48.92  | 31.90        | 8.44    | 7.75 | 6.8        | 3.01   | 96.7  |
| 556      | 5/6/2011 4:16  | 12.40  | 48.78  | 31.79        | 8.50    | 7.76 | 7.7        | 2.90   | 97.2  |
| 557      | 5/6/2011 4:31  | 12.79  | 48.71  | 31.75        | 8.43    | 7.77 | 8.1        | 2.78   | 97.1  |
| 558      | 5/6/2011 4:46  | 12.74  | 48.48  | 31.58        | 8.39    | 7.77 | 6.8        | 2.68   | 96.5  |
| 559      | 5/6/2011 5:01  | 13.46  | 47.92  | 31.20        | 8.52    | 7.79 | 10.1       | 2.57   | 99.1  |
| 560      | 5/6/2011 5:16  | 13.30  | 48.05  | 31.29        | 8.41    | 7.79 | 7.9        | 2.45   | 97.6  |
| 561      | 5/6/2011 5:31  | 14.10  | 47.28  | 30.76        | 8.44    | 7.82 | 12.5       | 2.32   | 99.2  |
| 562      | 5/6/2011 5:46  | 13.97  | 47.10  | 30.63        | 8.37    | 7.81 | 12.3       | 2.20   | 98.0  |
| 563      | 5/6/2011 6:01  | 13.43  | 47.84  | 31.15        | 8.25    | 7.78 | 10.9       | 2.06   | 95.9  |
| 564      | 5/6/2011 6:16  | 13.83  | 47.14  | 30.65        | 8.27    | 7.80 | 14.0       | 1.93   | 96.6  |
| 565      | 5/6/2011 6:31  | 14.30  | 46.80  | 30.42        | 8.24    | 7.82 | 15.1       | 1.81   | 97.1  |
| 566      | 5/6/2011 6:46  | 14.34  | 46.85  | 30.46        | 8.21    | 7.81 | 15.9       | 1.66   | 96.8  |
| 567      | 5/6/2011 7:01  | 14.48  | 46.53  | 30.23        | 8.15    | 7.81 | 17.2       | 1.55   | 96.3  |
| 568      | 5/6/2011 7:16  | 14.59  | 46.57  | 30.26        | 8.12    | 7.82 | 16.0       | 1.45   | 96.1  |
| 569      | 5/6/2011 7:31  | 14.82  | 46.19  | 29.99        | 8.03    | 7.82 | 17.9       | 1.33   | 95.4  |
| 570      | 5/6/2011 7:46  | 14.88  | 46.11  | 29.93        | 8.01    | 7.82 | 16.2       | 1.26   | 95.2  |
| 571      | 5/6/2011 8:01  | 14.93  | 45.99  | 29.85        | 7.95    | 7.81 | 15.2       | 1.18   | 94.5  |
| 572      | 5/6/2011 8:16  | 14.96  | 46.11  | 29.94        | 7.86    | 7.81 | 14.6       | 1.15   | 93.6  |
| 573      | 5/6/2011 8:31  | 14.79  | 46.41  | 30.15        | 7.91    | 7.80 | 12.9       | 1.14   | 93.9  |
| 574      | 5/6/2011 8:46  | 14.77  | 45.97  | 29.83        | 7.84    | 7.80 | 12.7       | 1.14   | 92.9  |
| 575      | 5/6/2011 9:01  | 14.72  | 45.95  | 29.82        | 7.91    | 7.81 | 14.7       | 1.18   | 93.7  |
| 576      | 5/6/2011 9:16  | 14.73  | 46.32  | 30.08        | 7.97    | 7.81 | 12.0       | 1.22   | 94.5  |
| 577      | 5/6/2011 9:31  | 14.80  | 46.24  | 30.02        | 8.03    | 7.81 | 11.3       | 1.28   | 95.4  |
| 578      | 5/6/2011 9:46  | 14.84  | 46.17  | 29.97        | 8.04    | 7.82 | 10.3       | 1.34   | 95.5  |
| 579      | 5/6/2011 10:01 | 14.81  | 46.40  | 30.14        | 8.05    | 7.81 | 10.5       | 1.42   | 95.6  |
| 580      | 5/6/2011 10:16 | 14.84  | 46.18  | 29.98        | 8.09    | 7.82 | 10.3       | 1.48   | 96.1  |
| 581      | 5/6/2011 10:31 | 14.86  | 45.66  | 29.61        | 8.07    | 7.81 | 10.3       | 1.54   | 95.7  |
| 582      | 5/6/2011 10:46 | 14.83  | 45.58  | 29.55        | 7.96    | 7.80 | 10.6       | 1.62   | 94.3  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 583      | 5/6/2011 11:01 | 14.75  | 45.91  | 29.79        | 7.94    | 7.80 | 11.2              | 1.69            | 94.1  |
| 584      | 5/6/2011 11:16 | 14.68  | 46.27  | 30.04        | 7.88    | 7.80 | 10.6              | 1.78            | 93.4  |
| 585      | 5/6/2011 11:31 | 14.47  | 46.49  | 30.20        | 7.97    | 7.79 | 10.0              | 1.87            | 94.1  |
| 586      | 5/6/2011 11:46 | 14.33  | 46.64  | 30.30        | 8.06    | 7.79 | 9.5               | 1.96            | 94.9  |
| 587      | 5/6/2011 12:01 | 14.25  | 46.84  | 30.44        | 8.12    | 7.79 | 10.0              | 2.05            | 95.6  |
| 588      | 5/6/2011 12:16 | 14.08  | 46.81  | 30.42        | 8.21    | 7.79 | 9.7               | 2.14            | 96.3  |
| 589      | 5/6/2011 12:31 | 13.96  | 47.13  | 30.65        | 8.34    | 7.80 | 8.7               | 2.23            | 97.8  |
| 590      | 5/6/2011 12:46 | 13.56  | 47.31  | 30.77        | 8.24    | 7.77 | 7.9               | 2.32            | 95.9  |
| 591      | 5/6/2011 13:01 | 13.39  | 47.88  | 31.17        | 8.20    | 7.77 | 9.2               | 2.41            | 95.3  |
| 592      | 5/6/2011 13:16 | 13.28  | 47.90  | 31.19        | 8.28    | 7.77 | 9.2               | 2.48            | 96.0  |
| 593      | 5/6/2011 13:31 | 13.20  | 48.15  | 31.36        | 8.35    | 7.77 | 9.0               | 2.57            | 96.8  |
| 594      | 5/6/2011 13:46 | 13.12  | 48.09  | 31.32        | 8.40    | 7.77 | 10.0              | 2.63            | 97.2  |
| 595      | 5/6/2011 14:01 | 12.86  | 48.43  | 31.55        | 8.42    | 7.76 | 10.7              | 2.71            | 97.0  |
| 596      | 5/6/2011 14:16 | 12.79  | 48.32  | 31.47        | 8.45    | 7.77 | 10.1              | 2.77            | 97.1  |
| 597      | 5/6/2011 14:31 | 12.72  | 48.44  | 31.55        | 8.49    | 7.77 | 9.6               | 2.84            | 97.5  |
| 598      | 5/6/2011 14:46 | 12.38  | 48.68  | 31.72        | 8.40    | 7.75 | 9.6               | 2.89            | 95.9  |
| 599      | 5/6/2011 15:01 | 12.04  | 48.96  | 31.90        | 8.42    | 7.74 | 8.9               | 2.94            | 95.6  |
| 600      | 5/6/2011 15:16 | 11.79  | 49.61  | 32.36        | 8.54    | 7.75 | 7.6               | 2.98            | 96.7  |
| 601      | 5/6/2011 15:31 | 11.77  | 49.56  | 32.32        | 8.49    | 7.74 | 7.7               | 3.01            | 96.1  |
| 602      | 5/6/2011 15:46 | 11.70  | 49.82  | 32.51        | 8.48    | 7.74 | 5.0               | 3.03            | 95.9  |
| 603      | 5/6/2011 16:01 | 11.81  | 49.50  | 32.28        | 8.39    | 7.74 | 6.0               | 3.03            | 95.0  |
| 604      | 5/6/2011 16:16 | 11.76  | 49.75  | 32.46        | 8.39    | 7.74 | 6.3               | 3.02            | 94.9  |
| 605      | 5/6/2011 16:31 | 11.93  | 49.49  | 32.28        | 8.41    | 7.74 | 7.0               | 2.99            | 95.4  |
| 606      | 5/6/2011 16:46 | 12.71  | 48.85  | 31.85        | 8.77    | 7.79 | 8.4               | 2.95            | 100.9 |
| 607      | 5/6/2011 17:01 | 12.81  | 48.62  | 31.69        | 8.74    | 7.79 | 7.5               | 2.90            | 100.7 |
| 608      | 5/6/2011 17:16 | 12.91  | 48.41  | 31.54        | 8.75    | 7.80 | 8.1               | 2.83            | 100.9 |
| 609      | 5/6/2011 17:31 | 13.09  | 48.54  | 31.64        | 9.25    | 7.83 | 8.1               | 2.75            | 107.2 |
| 610      | 5/6/2011 17:46 | 13.16  | 48.22  | 31.41        | 9.33    | 7.85 | 8.2               | 2.70            | 108.0 |
| 611      | 5/6/2011 18:01 | 13.15  | 48.42  | 31.55        | 9.36    | 7.85 | 7.6               | 2.62            | 108.4 |
| 612      | 5/6/2011 18:16 | 13.45  | 48.05  | 31.30        | 9.31    | 7.86 | 8.5               | 2.56            | 108.4 |
| 613      | 5/6/2011 18:31 | 13.59  | 47.82  | 31.13        | 9.42    | 7.87 | 7.8               | 2.51            | 109.8 |
| 614      | 5/6/2011 18:46 | 13.66  | 47.77  | 31.10        | 9.54    | 7.88 | 7.9               | 2.46            | 111.4 |
| 615      | 5/6/2011 19:01 | 13.80  | 47.59  | 30.98        | 9.46    | 7.88 | 7.8               | 2.40            | 110.7 |
| 616      | 5/6/2011 19:16 | 13.92  | 47.50  | 30.92        | 9.22    | 7.87 | 8.4               | 2.36            | 108.1 |
| 617      | 5/6/2011 19:31 | 13.99  | 47.23  | 30.72        | 9.12    | 7.86 | 8.3               | 2.33            | 107.0 |
| 618      | 5/6/2011 19:46 | 13.99  | 47.22  | 30.72        | 9.08    | 7.86 | 8.1               | 2.31            | 106.5 |
| 619      | 5/6/2011 20:01 | 14.07  | 47.18  | 30.69        | 8.95    | 7.86 | 7.8               | 2.28            | 105.1 |
| 620      | 5/6/2011 20:16 | 14.17  | 47.03  | 30.58        | 8.88    | 7.84 | 7.6               | 2.27            | 104.4 |
| 621      | 5/6/2011 20:31 | 14.07  | 46.90  | 30.48        | 8.97    | 7.86 | 8.1               | 2.29            | 105.2 |
| 622      | 5/6/2011 20:46 | 14.23  | 46.90  | 30.49        | 8.88    | 7.85 | 7.6               | 2.28            | 104.5 |
| 623      | 5/6/2011 21:01 | 14.23  | 46.63  | 30.30        | 8.86    | 7.85 | 7.8               | 2.32            | 104.2 |
| 624      | 5/6/2011 21:16 | 13.91  | 47.62  | 31.00        | 8.89    | 7.84 | 7.6               | 2.35            | 104.3 |
| 625      | 5/6/2011 21:31 | 13.84  | 47.47  | 30.89        | 8.81    | 7.83 | 7.4               | 2.40            | 103.1 |
| 626      | 5/6/2011 21:46 | 14.06  | 47.18  | 30.69        | 8.85    | 7.84 | 7.2               | 2.45            | 103.9 |
| 627      | 5/6/2011 22:01 | 13.96  | 47.28  | 30.76        | 8.81    | 7.83 | 7.3               | 2.50            | 103.3 |
| 628      | 5/6/2011 22:16 | 13.58  | 47.80  | 31.13        | 8.65    | 7.81 | 5.8               | 2.56            | 100.8 |
| 629      | 5/6/2011 22:31 | 13.36  | 47.75  | 31.08        | 8.58    | 7.79 | 6.2               | 2.63            | 99.6  |
| 630      | 5/6/2011 22:46 | 13.22  | 48.08  | 31.32        | 8.63    | 7.79 | 6.1               | 2.69            | 100.0 |
| 631      | 5/6/2011 23:01 | 13.20  | 48.27  | 31.45        | 8.63    | 7.80 | 5.6               | 2.75            | 100.1 |
| 632      | 5/6/2011 23:16 | 12.94  | 48.10  | 31.32        | 8.61    | 7.78 | 5.6               | 2.82            | 99.2  |
| 633      | 5/6/2011 23:31 | 12.70  | 48.75  | 31.78        | 8.54    | 7.78 | 5.4               | 2.88            | 98.2  |
| 634      | 5/6/2011 23:46 | 12.40  | 49.23  | 32.11        | 8.50    | 7.76 | 5.6               | 2.95            | 97.4  |
| 635      | 5/7/2011 0:01  | 12.43  | 48.85  | 31.84        | 8.66    | 7.77 | 6.0               | 3.02            | 99.0  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 636      | 5/7/2011 0:16  | 12.20  | 49.24  | 32.11        | 8.60    | 7.76 | 5.6               | 3.09            | 98.0 |
| 637      | 5/7/2011 0:31  | 11.56  | 49.53  | 32.29        | 8.37    | 7.73 | 4.5               | 3.16            | 94.2 |
| 638      | 5/7/2011 0:46  | 11.11  | 50.42  | 32.91        | 8.15    | 7.71 | 5.5               | 3.23            | 91.3 |
| 639      | 5/7/2011 1:01  | 10.96  | 50.56  | 33.01        | 8.15    | 7.71 | 6.0               | 3.29            | 91.0 |
| 640      | 5/7/2011 1:16  | 10.92  | 50.48  | 32.95        | 8.16    | 7.71 | 5.1               | 3.35            | 91.0 |
| 641      | 5/7/2011 1:31  | 10.83  | 50.54  | 32.98        | 8.18    | 7.71 | 4.9               | 3.41            | 91.1 |
| 642      | 5/7/2011 1:46  | 10.71  | 50.90  | 33.24        | 8.15    | 7.70 | 4.3               | 3.46            | 90.7 |
| 643      | 5/7/2011 2:01  | 10.62  | 50.88  | 33.22        | 8.14    | 7.69 | 4.1               | 3.49            | 90.4 |
| 644      | 5/7/2011 2:16  | 10.52  | 50.71  | 33.09        | 8.10    | 7.70 | 3.7               | 3.52            | 89.7 |
| 645      | 5/7/2011 2:31  | 10.46  | 51.03  | 33.32        | 8.03    | 7.69 | 2.9               | 3.53            | 88.9 |
| 646      | 5/7/2011 2:46  | 10.58  | 50.59  | 33.01        | 8.00    | 7.69 | 3.9               | 3.53            | 88.6 |
| 647      | 5/7/2011 3:01  | 10.49  | 50.37  | 32.84        | 8.04    | 7.69 | 4.4               | 3.50            | 88.8 |
| 648      | 5/7/2011 3:16  | 10.83  | 50.28  | 32.79        | 8.05    | 7.70 | 4.3               | 3.46            | 89.5 |
| 649      | 5/7/2011 3:31  | 11.66  | 49.12  | 32.00        | 8.16    | 7.73 | 6.2               | 3.41            | 91.9 |
| 650      | 5/7/2011 3:46  | 11.30  | 50.39  | 32.90        | 8.05    | 7.71 | 6.5               | 3.33            | 90.4 |
| 651      | 5/7/2011 4:01  | 11.89  | 49.48  | 32.28        | 8.15    | 7.73 | 6.8               | 3.25            | 92.4 |
| 652      | 5/7/2011 4:16  | 11.65  | 49.81  | 32.50        | 8.16    | 7.72 | 6.3               | 3.15            | 92.2 |
| 653      | 5/7/2011 4:31  | 11.77  | 49.73  | 32.45        | 8.12    | 7.73 | 6.5               | 3.06            | 92.0 |
| 654      | 5/7/2011 4:46  | 11.95  | 49.31  | 32.15        | 8.14    | 7.73 | 6.0               | 2.97            | 92.3 |
| 655      | 5/7/2011 5:01  | 11.93  | 49.49  | 32.28        | 8.14    | 7.74 | 6.8               | 2.86            | 92.4 |
| 656      | 5/7/2011 5:16  | 12.18  | 49.37  | 32.21        | 8.13    | 7.74 | 7.0               | 2.76            | 92.7 |
| 657      | 5/7/2011 5:31  | 12.36  | 48.59  | 31.65        | 8.17    | 7.76 | 7.0               | 2.65            | 93.2 |
| 658      | 5/7/2011 5:46  | 12.64  | 48.49  | 31.59        | 8.16    | 7.76 | 8.3               | 2.54            | 93.6 |
| 659      | 5/7/2011 6:01  | 12.86  | 47.87  | 31.15        | 8.12    | 7.77 | 8.7               | 2.44            | 93.3 |
| 660      | 5/7/2011 6:16  | 13.27  | 47.73  | 31.06        | 8.10    | 7.78 | 11.5              | 2.30            | 93.8 |
| 661      | 5/7/2011 6:31  | 12.91  | 48.05  | 31.28        | 8.06    | 7.77 | 9.9               | 2.18            | 92.8 |
| 662      | 5/7/2011 6:46  | 12.89  | 47.57  | 30.93        | 8.00    | 7.75 | 10.0              | 2.06            | 91.8 |
| 663      | 5/7/2011 7:01  | 13.10  | 47.69  | 31.03        | 7.97    | 7.76 | 11.3              | 1.95            | 91.9 |
| 664      | 5/7/2011 7:16  | 13.13  | 47.37  | 30.79        | 7.97    | 7.76 | 11.9              | 1.81            | 91.9 |
| 665      | 5/7/2011 7:31  | 13.36  | 47.07  | 30.59        | 7.93    | 7.76 | 13.9              | 1.68            | 91.7 |
| 666      | 5/7/2011 7:46  | 13.58  | 46.51  | 30.19        | 7.94    | 7.78 | 14.2              | 1.57            | 92.1 |
| 667      | 5/7/2011 8:01  | 13.62  | 46.41  | 30.12        | 7.93    | 7.78 | 13.8              | 1.47            | 92.0 |
| 668      | 5/7/2011 8:16  | 13.70  | 46.35  | 30.07        | 7.91    | 7.78 | 13.6              | 1.37            | 91.8 |
| 669      | 5/7/2011 8:31  | 13.75  | 46.29  | 30.03        | 7.88    | 7.79 | 13.7              | 1.29            | 91.5 |
| 670      | 5/7/2011 8:46  | 13.76  | 46.60  | 30.26        | 7.79    | 7.78 | 12.5              | 1.24            | 90.7 |
| 671      | 5/7/2011 9:01  | 13.79  | 46.14  | 29.93        | 7.87    | 7.79 | 13.0              | 1.21            | 91.5 |
| 672      | 5/7/2011 9:16  | 13.75  | 46.34  | 30.08        | 7.84    | 7.78 | 10.9              | 1.18            | 91.2 |
| 673      | 5/7/2011 9:31  | 13.71  | 46.46  | 30.16        | 7.77    | 7.78 | 10.0              | 1.20            | 90.3 |
| 674      | 5/7/2011 9:46  | 13.67  | 46.59  | 30.25        | 7.82    | 7.78 | 12.3              | 1.23            | 90.9 |
| 675      | 5/7/2011 10:01 | 13.67  | 46.48  | 30.17        | 7.82    | 7.77 | 13.1              | 1.28            | 90.8 |
| 676      | 5/7/2011 10:16 | 13.75  | 46.57  | 30.24        | 7.90    | 7.78 | 12.7              | 1.33            | 91.9 |
| 677      | 5/7/2011 10:31 | 13.72  | 46.62  | 30.27        | 7.90    | 7.77 | 11.4              | 1.39            | 91.9 |
| 678      | 5/7/2011 10:46 | 13.84  | 46.11  | 29.91        | 7.94    | 7.78 | 10.1              | 1.46            | 92.4 |
| 679      | 5/7/2011 11:01 | 13.84  | 45.92  | 29.77        | 7.92    | 7.77 | 9.8               | 1.52            | 92.1 |
| 680      | 5/7/2011 11:16 | 13.75  | 46.22  | 29.99        | 7.91    | 7.77 | 9.2               | 1.60            | 92.0 |
| 681      | 5/7/2011 11:31 | 13.77  | 45.98  | 29.81        | 7.92    | 7.77 | 8.9               | 1.66            | 92.0 |
| 682      | 5/7/2011 11:46 | 13.72  | 46.22  | 29.98        | 7.89    | 7.77 | 8.2               | 1.73            | 91.6 |
| 683      | 5/7/2011 12:01 | 13.63  | 46.77  | 30.38        | 7.81    | 7.76 | 8.9               | 1.82            | 90.8 |
| 684      | 5/7/2011 12:16 | 13.60  | 46.06  | 29.86        | 8.07    | 7.78 | 8.4               | 1.89            | 93.4 |
| 685      | 5/7/2011 12:31 | 13.51  | 46.65  | 30.29        | 8.04    | 7.77 | 7.8               | 1.98            | 93.2 |
| 686      | 5/7/2011 12:46 | 13.56  | 47.09  | 30.60        | 8.29    | 7.78 | 8.3               | 2.07            | 96.4 |
| 687      | 5/7/2011 13:01 | 12.93  | 48.00  | 31.25        | 8.05    | 7.75 | 7.8               | 2.16            | 92.7 |
| 688      | 5/7/2011 13:16 | 12.93  | 47.77  | 31.08        | 8.15    | 7.76 | 7.9               | 2.25            | 93.8 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 689      | 5/7/2011 13:31 | 12.85  | 48.11  | 31.32        | 8.18    | 7.76 | 8.7               | 2.34            | 94.1  |
| 690      | 5/7/2011 13:46 | 12.80  | 48.09  | 31.31        | 8.21    | 7.76 | 9.2               | 2.43            | 94.3  |
| 691      | 5/7/2011 14:01 | 12.74  | 48.50  | 31.60        | 8.19    | 7.75 | 7.9               | 2.51            | 94.1  |
| 692      | 5/7/2011 14:16 | 12.73  | 48.48  | 31.58        | 8.20    | 7.76 | 7.7               | 2.58            | 94.3  |
| 693      | 5/7/2011 14:31 | 12.54  | 48.57  | 31.64        | 8.15    | 7.74 | 9.2               | 2.65            | 93.3  |
| 694      | 5/7/2011 14:46 | 12.34  | 48.55  | 31.62        | 8.32    | 7.75 | 10.0              | 2.72            | 94.9  |
| 695      | 5/7/2011 15:01 | 12.31  | 48.80  | 31.80        | 8.35    | 7.75 | 9.4               | 2.78            | 95.3  |
| 696      | 5/7/2011 15:16 | 12.26  | 48.84  | 31.82        | 8.43    | 7.75 | 8.5               | 2.84            | 96.0  |
| 697      | 5/7/2011 15:31 | 12.09  | 48.69  | 31.71        | 8.37    | 7.75 | 7.9               | 2.90            | 95.0  |
| 698      | 5/7/2011 15:46 | 11.70  | 49.17  | 32.04        | 8.27    | 7.73 | 7.6               | 2.95            | 93.3  |
| 699      | 5/7/2011 16:01 | 11.39  | 49.46  | 32.23        | 8.36    | 7.73 | 6.2               | 2.99            | 93.8  |
| 700      | 5/7/2011 16:16 | 11.23  | 49.99  | 32.61        | 8.33    | 7.72 | 6.4               | 3.02            | 93.3  |
| 701      | 5/7/2011 16:31 | 11.18  | 49.63  | 32.34        | 8.29    | 7.73 | 4.2               | 3.04            | 92.7  |
| 702      | 5/7/2011 16:46 | 11.37  | 49.67  | 32.38        | 8.25    | 7.73 | 4.9               | 3.05            | 92.6  |
| 703      | 5/7/2011 17:01 | 11.22  | 49.95  | 32.58        | 8.15    | 7.71 | 5.2               | 3.04            | 91.3  |
| 704      | 5/7/2011 17:16 | 11.28  | 49.67  | 32.38        | 8.11    | 7.72 | 6.0               | 3.01            | 90.9  |
| 705      | 5/7/2011 17:31 | 11.61  | 49.35  | 32.17        | 8.30    | 7.74 | 6.2               | 2.98            | 93.5  |
| 706      | 5/7/2011 17:46 | 12.06  | 48.89  | 31.85        | 8.40    | 7.75 | 5.7               | 2.93            | 95.3  |
| 707      | 5/7/2011 18:01 | 12.17  | 49.08  | 32.00        | 8.36    | 7.75 | 6.1               | 2.87            | 95.2  |
| 708      | 5/7/2011 18:16 | 12.45  | 48.28  | 31.43        | 8.60    | 7.78 | 8.7               | 2.81            | 98.1  |
| 709      | 5/7/2011 18:31 | 12.50  | 48.34  | 31.47        | 8.71    | 7.79 | 7.7               | 2.75            | 99.5  |
| 710      | 5/7/2011 18:46 | 12.91  | 48.07  | 31.30        | 8.87    | 7.82 | 7.2               | 2.69            | 102.1 |
| 711      | 5/7/2011 19:01 | 12.83  | 48.10  | 31.31        | 8.55    | 7.79 | 6.9               | 2.63            | 98.3  |
| 712      | 5/7/2011 19:16 | 12.94  | 48.03  | 31.26        | 8.55    | 7.79 | 7.0               | 2.57            | 98.5  |
| 713      | 5/7/2011 19:31 | 12.80  | 48.30  | 31.46        | 9.01    | 7.83 | 6.0               | 2.53            | 103.6 |
| 714      | 5/7/2011 19:46 | 12.96  | 48.06  | 31.29        | 8.94    | 7.82 | 6.3               | 2.48            | 103.1 |
| 715      | 5/7/2011 20:01 | 12.97  | 47.89  | 31.17        | 8.81    | 7.82 | 6.2               | 2.43            | 101.5 |
| 716      | 5/7/2011 20:16 | 13.09  | 47.65  | 30.99        | 8.70    | 7.81 | 6.1               | 2.40            | 100.3 |
| 717      | 5/7/2011 20:31 | 13.20  | 47.51  | 30.90        | 8.59    | 7.80 | 6.5               | 2.39            | 99.2  |
| 718      | 5/7/2011 20:46 | 13.04  | 47.85  | 31.14        | 8.33    | 7.79 | 4.1               | 2.36            | 96.1  |
| 719      | 5/7/2011 21:01 | 13.06  | 47.49  | 30.88        | 8.52    | 7.80 | 5.1               | 2.35            | 98.1  |
| 720      | 5/7/2011 21:16 | 13.25  | 47.38  | 30.80        | 8.59    | 7.81 | 6.1               | 2.36            | 99.2  |
| 721      | 5/7/2011 21:31 | 13.39  | 47.15  | 30.65        | 8.57    | 7.81 | 5.7               | 2.38            | 99.2  |
| 722      | 5/7/2011 21:46 | 13.21  | 47.75  | 31.07        | 8.54    | 7.80 | 6.5               | 2.40            | 98.8  |
| 723      | 5/7/2011 22:01 | 13.03  | 47.94  | 31.21        | 8.49    | 7.78 | 6.0               | 2.42            | 97.9  |
| 724      | 5/7/2011 22:16 | 12.90  | 47.84  | 31.13        | 8.38    | 7.78 | 6.7               | 2.47            | 96.4  |
| 725      | 5/7/2011 22:31 | 13.08  | 47.60  | 30.96        | 8.52    | 7.78 | 5.8               | 2.51            | 98.2  |
| 726      | 5/7/2011 22:46 | 12.88  | 47.64  | 30.98        | 8.42    | 7.77 | 5.3               | 2.56            | 96.7  |
| 727      | 5/7/2011 23:01 | 12.58  | 48.37  | 31.50        | 8.25    | 7.75 | 5.9               | 2.61            | 94.5  |
| 728      | 5/7/2011 23:16 | 12.51  | 48.72  | 31.75        | 8.27    | 7.75 | 5.1               | 2.65            | 94.7  |
| 729      | 5/7/2011 23:31 | 12.41  | 48.54  | 31.62        | 8.32    | 7.75 | 5.3               | 2.72            | 95.0  |
| 730      | 5/7/2011 23:46 | 12.36  | 48.54  | 31.61        | 8.33    | 7.75 | 5.3               | 2.78            | 95.0  |
| 731      | 5/8/2011 0:01  | 12.19  | 48.54  | 31.61        | 8.34    | 7.75 | 4.9               | 2.83            | 94.8  |
| 732      | 5/8/2011 0:16  | 12.06  | 48.98  | 31.92        | 8.38    | 7.75 | 5.4               | 2.90            | 95.2  |
| 733      | 5/8/2011 0:31  | 12.01  | 49.05  | 31.97        | 8.45    | 7.75 | 6.0               | 2.97            | 95.8  |
| 734      | 5/8/2011 0:46  | 11.74  | 49.21  | 32.07        | 8.42    | 7.74 | 4.6               | 3.03            | 95.1  |
| 735      | 5/8/2011 1:01  | 11.61  | 49.26  | 32.10        | 8.44    | 7.74 | 4.3               | 3.09            | 95.1  |
| 736      | 5/8/2011 1:16  | 11.25  | 49.43  | 32.20        | 8.42    | 7.73 | 4.2               | 3.15            | 94.1  |
| 737      | 5/8/2011 1:31  | 10.85  | 49.83  | 32.47        | 8.36    | 7.71 | 4.2               | 3.22            | 92.8  |
| 738      | 5/8/2011 1:46  | 10.74  | 50.19  | 32.73        | 8.39    | 7.70 | 4.2               | 3.27            | 93.1  |
| 739      | 5/8/2011 2:01  | 10.62  | 50.20  | 32.73        | 8.42    | 7.70 | 4.5               | 3.32            | 93.2  |
| 740      | 5/8/2011 2:16  | 10.53  | 50.30  | 32.79        | 8.44    | 7.70 | 3.7               | 3.38            | 93.2  |
| 741      | 5/8/2011 2:31  | 10.44  | 50.66  | 33.05        | 8.47    | 7.70 | 3.8               | 3.42            | 93.6  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |      |
| 742      | 5/8/2011 2:46  | 10.37  | 50.75  | 33.11        | 8.46    | 7.69 | 3.4        | 3.44   | 93.3 |
| 743      | 5/8/2011 3:01  | 10.32  | 50.40  | 32.85        | 8.45    | 7.70 | 3.1        | 3.46   | 93.0 |
| 744      | 5/8/2011 3:16  | 10.48  | 50.11  | 32.65        | 8.38    | 7.70 | 3.5        | 3.48   | 92.5 |
| 745      | 5/8/2011 3:31  | 10.31  | 50.58  | 32.98        | 8.35    | 7.69 | 3.8        | 3.47   | 91.9 |
| 746      | 5/8/2011 3:46  | 10.39  | 50.42  | 32.87        | 8.39    | 7.69 | 3.9        | 3.44   | 92.5 |
| 747      | 5/8/2011 4:01  | 10.90  | 49.32  | 32.10        | 8.30    | 7.71 | 4.7        | 3.41   | 92.1 |
| 748      | 5/8/2011 4:16  | 10.92  | 49.94  | 32.55        | 8.26    | 7.70 | 5.0        | 3.36   | 92.0 |
| 749      | 5/8/2011 4:31  | 10.87  | 49.75  | 32.41        | 8.28    | 7.70 | 4.8        | 3.29   | 91.9 |
| 750      | 5/8/2011 4:46  | 11.01  | 49.44  | 32.20        | 8.27    | 7.71 | 5.1        | 3.22   | 91.9 |
| 751      | 5/8/2011 5:01  | 11.19  | 49.53  | 32.27        | 8.20    | 7.71 | 6.8        | 3.12   | 91.6 |
| 752      | 5/8/2011 5:16  | 11.58  | 48.90  | 31.84        | 8.09    | 7.71 | 6.2        | 3.04   | 90.8 |
| 753      | 5/8/2011 5:31  | 11.71  | 48.94  | 31.87        | 8.00    | 7.71 | 6.1        | 2.96   | 90.1 |
| 754      | 5/8/2011 5:46  | 11.79  | 48.74  | 31.74        | 8.00    | 7.71 | 6.8        | 2.85   | 90.2 |
| 755      | 5/8/2011 6:01  | 11.78  | 48.82  | 31.79        | 8.00    | 7.71 | 6.5        | 2.76   | 90.2 |
| 756      | 5/8/2011 6:16  | 11.95  | 48.86  | 31.83        | 7.98    | 7.71 | 6.7        | 2.67   | 90.3 |
| 757      | 5/8/2011 6:31  | 12.11  | 48.57  | 31.62        | 7.94    | 7.72 | 6.9        | 2.56   | 90.1 |
| 758      | 5/8/2011 6:46  | 12.18  | 48.48  | 31.56        | 7.97    | 7.73 | 6.7        | 2.45   | 90.5 |
| 759      | 5/8/2011 7:01  | 12.19  | 48.30  | 31.43        | 8.00    | 7.73 | 8.0        | 2.33   | 90.8 |
| 760      | 5/8/2011 7:16  | 12.47  | 47.84  | 31.11        | 8.03    | 7.74 | 8.4        | 2.22   | 91.5 |
| 761      | 5/8/2011 7:31  | 12.72  | 47.38  | 30.79        | 8.06    | 7.75 | 9.3        | 2.11   | 92.1 |
| 762      | 5/8/2011 7:46  | 12.85  | 47.29  | 30.73        | 8.00    | 7.75 | 8.2        | 1.99   | 91.6 |
| 763      | 5/8/2011 8:01  | 12.93  | 47.48  | 30.87        | 8.06    | 7.76 | 9.0        | 1.88   | 92.6 |
| 764      | 5/8/2011 8:16  | 13.01  | 47.18  | 30.65        | 8.09    | 7.76 | 9.2        | 1.76   | 92.9 |
| 765      | 5/8/2011 8:31  | 13.16  | 46.85  | 30.42        | 8.04    | 7.76 | 10.0       | 1.65   | 92.6 |
| 766      | 5/8/2011 8:46  | 13.27  | 46.91  | 30.47        | 7.99    | 7.77 | 9.4        | 1.55   | 92.2 |
| 767      | 5/8/2011 9:01  | 13.36  | 46.73  | 30.34        | 7.98    | 7.77 | 9.8        | 1.46   | 92.1 |
| 768      | 5/8/2011 9:16  | 13.46  | 46.53  | 30.20        | 7.95    | 7.77 | 9.2        | 1.38   | 92.0 |
| 769      | 5/8/2011 9:31  | 13.54  | 46.30  | 30.04        | 7.90    | 7.77 | 8.8        | 1.31   | 91.4 |
| 770      | 5/8/2011 9:46  | 13.55  | 46.34  | 30.07        | 7.86    | 7.77 | 8.1        | 1.29   | 91.0 |
| 771      | 5/8/2011 10:01 | 13.44  | 46.32  | 30.05        | 7.74    | 7.76 | 7.1        | 1.27   | 89.4 |
| 772      | 5/8/2011 10:16 | 13.36  | 46.70  | 30.32        | 7.82    | 7.76 | 7.7        | 1.27   | 90.3 |
| 773      | 5/8/2011 10:31 | 13.36  | 46.82  | 30.41        | 7.86    | 7.76 | 8.7        | 1.30   | 90.8 |
| 774      | 5/8/2011 10:46 | 13.32  | 46.63  | 30.27        | 7.88    | 7.76 | 8.7        | 1.34   | 90.9 |
| 775      | 5/8/2011 11:01 | 13.41  | 47.00  | 30.54        | 7.96    | 7.76 | 8.1        | 1.40   | 92.2 |
| 776      | 5/8/2011 11:16 | 13.36  | 47.31  | 30.76        | 7.94    | 7.76 | 8.1        | 1.45   | 92.0 |
| 777      | 5/8/2011 11:31 | 13.63  | 46.60  | 30.26        | 7.99    | 7.76 | 7.4        | 1.52   | 92.7 |
| 778      | 5/8/2011 11:46 | 13.65  | 46.25  | 30.01        | 8.02    | 7.75 | 6.9        | 1.59   | 93.0 |
| 779      | 5/8/2011 12:01 | 13.58  | 46.31  | 30.05        | 8.01    | 7.75 | 7.0        | 1.64   | 92.8 |
| 780      | 5/8/2011 12:16 | 13.48  | 46.60  | 30.25        | 7.98    | 7.75 | 6.4        | 1.71   | 92.4 |
| 781      | 5/8/2011 12:31 | 13.44  | 46.46  | 30.15        | 7.97    | 7.75 | 6.4        | 1.79   | 92.1 |
| 782      | 5/8/2011 12:46 | 13.33  |        |              | 8.00    | 7.75 | 5.9        | 1.86   | 91.0 |
| 783      | 5/8/2011 13:01 | 13.29  | 46.83  | 30.41        | 7.94    | 7.75 | 6.2        | 1.93   | 91.7 |
| 784      | 5/8/2011 13:16 | 13.17  | 47.64  | 30.99        | 7.92    | 7.74 | 6.2        | 2.01   | 91.5 |
| 785      | 5/8/2011 13:31 | 13.16  | 47.85  | 31.15        | 7.96    | 7.74 | 6.2        | 2.09   | 92.1 |
| 786      | 5/8/2011 13:46 | 13.32  | 47.79  | 31.11        | 8.18    | 7.75 | 6.4        | 2.18   | 94.9 |
| 787      | 5/8/2011 14:01 | 12.81  | 48.34  | 31.48        | 8.12    | 7.74 | 5.9        | 2.26   | 93.4 |
| 788      | 5/8/2011 14:16 | 12.63  | 48.44  | 31.55        | 8.07    | 7.74 | 6.7        | 2.35   | 92.5 |
| 789      | 5/8/2011 14:31 | 12.55  | 48.65  | 31.70        | 8.10    | 7.73 | 7.1        | 2.44   | 92.8 |
| 790      | 5/8/2011 14:46 | 12.50  | 47.33  | 30.75        | 8.16    | 7.73 | 7.0        | 2.52   | 92.8 |
| 791      | 5/8/2011 15:01 | 12.51  | 48.15  | 31.33        | 8.17    | 7.74 | 7.0        | 2.59   | 93.3 |
| 792      | 5/8/2011 15:16 | 12.54  | 48.39  | 31.51        | 8.20    | 7.74 | 6.5        | 2.66   | 93.8 |
| 793      | 5/8/2011 15:31 | 12.32  | 48.13  | 31.32        | 8.19    | 7.73 | 6.5        | 2.73   | 93.1 |
| 794      | 5/8/2011 15:46 | 12.23  | 49.15  | 32.05        | 8.34    | 7.74 | 8.2        | 2.78   | 95.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 795      | 5/8/2011 16:01 | 12.21  | 49.11  | 32.02        | 8.43    | 7.74 | 7.1               | 2.85            | 96.1  |
| 796      | 5/8/2011 16:16 | 12.22  | 48.35  | 31.47        | 8.52    | 7.74 | 6.5               | 2.90            | 96.7  |
| 797      | 5/8/2011 16:31 | 11.87  | 48.55  | 31.60        | 8.39    | 7.73 | 5.6               | 2.94            | 94.7  |
| 798      | 5/8/2011 16:46 | 11.59  | 49.73  | 32.44        | 8.31    | 7.72 | 4.7               | 2.99            | 93.7  |
| 799      | 5/8/2011 17:01 | 11.45  | 48.37  | 31.45        | 8.45    | 7.72 | 5.3               | 3.03            | 94.5  |
| 800      | 5/8/2011 17:16 | 11.40  | 49.33  | 32.14        | 8.46    | 7.72 | 3.7               | 3.04            | 94.9  |
| 801      | 5/8/2011 17:31 | 11.70  | 49.24  | 32.09        | 8.41    | 7.72 | 5.3               | 3.06            | 94.8  |
| 802      | 5/8/2011 17:46 | 11.53  | 49.25  | 32.09        | 8.35    | 7.72 | 3.8               | 3.05            | 93.9  |
| 803      | 5/8/2011 18:01 | 11.53  |        |              | 8.60    | 7.71 | 3.9               | 3.06            | 93.1  |
| 804      | 5/8/2011 18:16 | 11.92  | 48.66  | 31.68        | 8.38    | 7.73 | 4.8               | 3.01            | 94.8  |
| 805      | 5/8/2011 18:31 | 12.13  | 48.80  | 31.79        | 8.47    | 7.74 | 6.2               | 2.96            | 96.3  |
| 806      | 5/8/2011 18:46 | 12.72  | 48.75  | 31.78        | 8.97    | 7.79 | 7.8               | 2.90            | 103.2 |
| 807      | 5/8/2011 19:01 | 12.72  | 48.28  | 31.44        | 9.01    | 7.79 | 7.7               | 2.87            | 103.4 |
| 808      | 5/8/2011 19:16 | 12.63  | 48.35  | 31.49        | 9.03    | 7.79 | 8.7               | 2.79            | 103.5 |
| 809      | 5/8/2011 19:31 | 12.70  | 48.05  | 31.27        | 9.06    | 7.80 | 8.8               | 2.72            | 103.8 |
| 810      | 5/8/2011 19:46 | 13.03  | 48.16  | 31.37        | 9.01    | 7.81 | 8.8               | 2.68            | 104.0 |
| 811      | 5/8/2011 20:01 | 13.18  | 47.84  | 31.14        | 8.95    | 7.82 | 8.3               | 2.62            | 103.5 |
| 812      | 5/8/2011 20:16 | 13.28  | 47.81  | 31.12        | 8.98    | 7.82 | 9.2               | 2.57            | 104.1 |
| 813      | 5/8/2011 20:31 | 13.31  | 47.72  | 31.05        | 8.95    | 7.82 | 10.4              | 2.52            | 103.8 |
| 814      | 5/8/2011 20:46 | 13.31  | 47.95  | 31.22        | 8.91    | 7.83 | 9.0               | 2.48            | 103.4 |
| 815      | 5/8/2011 21:01 | 13.37  | 47.60  | 30.97        | 8.83    | 7.81 | 9.7               | 2.44            | 102.4 |
| 816      | 5/8/2011 21:16 | 13.38  | 47.28  | 30.74        | 8.78    | 7.81 | 9.3               | 2.42            | 101.8 |
| 817      | 5/8/2011 21:31 | 13.43  | 46.67  | 30.30        | 8.74    | 7.80 | 10.0              | 2.39            | 101.1 |
| 818      | 5/8/2011 21:46 | 13.38  | 47.11  | 30.61        | 8.66    | 7.80 | 9.1               | 2.37            | 100.3 |
| 819      | 5/8/2011 22:01 | 13.49  | 47.40  | 30.83        | 8.61    | 7.80 | 9.2               | 2.36            | 100.1 |
| 820      | 5/8/2011 22:16 | 13.53  | 47.51  | 30.91        | 8.59    | 7.80 | 8.7               | 2.36            | 100.0 |
| 821      | 5/8/2011 22:31 | 13.57  | 47.12  | 30.63        | 8.64    | 7.81 | 7.8               | 2.36            | 100.4 |
| 822      | 5/8/2011 22:46 | 13.61  | 47.00  | 30.54        | 8.67    | 7.80 | 7.1               | 2.38            | 100.8 |
| 823      | 5/8/2011 23:01 | 13.71  | 46.61  | 30.27        | 8.72    | 7.81 | 7.3               | 2.40            | 101.4 |
| 824      | 5/8/2011 23:16 | 13.41  | 48.09  | 31.32        | 8.55    | 7.79 | 7.8               | 2.44            | 99.4  |
| 825      | 5/8/2011 23:31 | 13.46  | 47.83  | 31.14        | 8.58    | 7.79 | 6.7               | 2.48            | 99.9  |
| 826      | 5/8/2011 23:46 | 13.51  | 48.14  | 31.37        | 8.56    | 7.79 | 6.7               | 2.52            | 99.9  |
| 827      | 5/9/2011 0:01  | 13.51  | 47.73  | 31.07        | 8.62    | 7.80 | 7.2               | 2.58            | 100.3 |
| 828      | 5/9/2011 0:16  | 13.25  | 48.35  | 31.51        | 8.48    | 7.78 | 5.9               | 2.62            | 98.5  |
| 829      | 5/9/2011 0:31  | 13.07  | 48.58  | 31.67        | 8.43    | 7.76 | 5.7               | 2.67            | 97.6  |
| 830      | 5/9/2011 0:46  | 13.01  | 48.57  | 31.66        | 8.52    | 7.77 | 6.2               | 2.74            | 98.5  |
| 831      | 5/9/2011 1:01  | 12.93  | 48.61  | 31.69        | 8.50    | 7.77 | 5.6               | 2.79            | 98.2  |
| 832      | 5/9/2011 1:16  | 12.80  | 48.66  | 31.72        | 8.51    | 7.76 | 5.1               | 2.85            | 98.0  |
| 833      | 5/9/2011 1:31  | 12.62  | 48.73  | 31.76        | 8.52    | 7.76 | 4.9               | 2.91            | 97.8  |
| 834      | 5/9/2011 1:46  | 12.38  | 49.12  | 32.04        | 8.51    | 7.75 | 4.6               | 2.97            | 97.3  |
| 835      | 5/9/2011 2:01  | 12.25  | 49.05  | 31.98        | 8.53    | 7.75 | 4.6               | 3.03            | 97.3  |
| 836      | 5/9/2011 2:16  | 12.23  | 48.94  | 31.90        | 8.59    | 7.76 | 4.9               | 3.08            | 97.9  |
| 837      | 5/9/2011 2:31  | 11.97  | 49.61  | 32.37        | 8.52    | 7.74 | 4.3               | 3.13            | 96.9  |
| 838      | 5/9/2011 2:46  | 11.73  | 49.68  | 32.41        | 8.55    | 7.73 | 3.7               | 3.19            | 96.7  |
| 839      | 5/9/2011 3:01  | 11.50  | 50.01  | 32.64        | 8.52    | 7.73 | 3.5               | 3.23            | 96.0  |
| 840      | 5/9/2011 3:16  | 11.34  | 50.06  | 32.66        | 8.47    | 7.72 | 3.4               | 3.27            | 95.2  |
| 841      | 5/9/2011 3:31  | 11.23  | 49.92  | 32.55        | 8.46    | 7.72 | 3.2               | 3.32            | 94.8  |
| 842      | 5/9/2011 3:46  | 11.21  | 50.32  | 32.84        | 8.43    | 7.71 | 3.3               | 3.34            | 94.5  |
| 843      | 5/9/2011 4:01  | 11.20  | 50.28  | 32.82        | 8.38    | 7.72 | 3.4               | 3.35            | 94.0  |
| 844      | 5/9/2011 4:16  | 11.19  | 50.27  | 32.81        | 8.36    | 7.71 | 3.9               | 3.35            | 93.7  |
| 845      | 5/9/2011 4:31  | 11.17  | 50.30  | 32.83        | 8.35    | 7.71 | 4.0               | 3.34            | 93.6  |
| 846      | 5/9/2011 4:46  | 11.14  | 50.27  | 32.81        | 8.42    | 7.71 | 3.9               | 3.32            | 94.3  |
| 847      | 5/9/2011 5:01  | 11.28  | 50.16  | 32.74        | 8.34    | 7.71 | 4.1               | 3.27            | 93.7  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 848      | 5/9/2011 5:16  | 12.16  | 49.09  | 32.00        | 8.20    | 7.73 | 6.5               | 3.21            | 93.3 |
| 849      | 5/9/2011 5:31  | 11.95  | 49.26  | 32.12        | 8.28    | 7.73 | 5.7               | 3.15            | 93.9 |
| 850      | 5/9/2011 5:46  | 11.99  | 49.32  | 32.16        | 8.28    | 7.73 | 7.3               | 3.07            | 94.0 |
| 851      | 5/9/2011 6:01  | 12.10  | 49.23  | 32.10        | 8.21    | 7.73 | 7.0               | 2.99            | 93.5 |
| 852      | 5/9/2011 6:16  | 12.02  | 49.21  | 32.09        | 8.25    | 7.72 | 7.2               | 2.91            | 93.7 |
| 853      | 5/9/2011 6:31  | 12.28  | 48.65  | 31.69        | 8.18    | 7.74 | 7.0               | 2.82            | 93.2 |
| 854      | 5/9/2011 6:46  | 12.32  |        |              | 8.36    | 7.73 | 7.0               | 2.75            | 93.1 |
| 855      | 5/9/2011 7:01  | 12.28  | 49.11  | 32.02        | 8.17    | 7.73 | 6.7               | 2.64            | 93.3 |
| 856      | 5/9/2011 7:16  | 12.57  | 48.49  | 31.58        | 8.17    | 7.74 | 7.8               | 2.54            | 93.6 |
| 857      | 5/9/2011 7:31  | 12.92  | 45.69  | 29.58        | 8.23    | 7.76 | 10.6              | 2.46            | 93.8 |
| 858      | 5/9/2011 7:46  | 13.12  | 47.02  | 30.54        | 8.18    | 7.76 | 11.0              | 2.35            | 94.1 |
| 859      | 5/9/2011 8:01  | 13.00  | 46.78  | 30.36        | 8.34    | 7.77 | 9.4               | 2.24            | 95.6 |
| 860      | 5/9/2011 8:16  | 13.01  | 47.91  | 31.18        | 8.40    | 7.78 | 9.2               | 2.14            | 96.8 |
| 861      | 5/9/2011 8:31  | 13.21  | 47.71  | 31.04        | 8.44    | 7.78 | 10.1              | 2.03            | 97.6 |
| 862      | 5/9/2011 8:46  | 13.33  | 47.68  | 31.03        | 8.41    | 7.79 | 10.3              | 1.92            | 97.5 |
| 863      | 5/9/2011 9:01  | 13.42  | 47.86  | 31.16        | 8.47    | 7.80 | 10.0              | 1.81            | 98.5 |
| 864      | 5/9/2011 9:16  | 13.57  | 47.33  | 30.78        | 8.41    | 7.79 | 10.4              | 1.72            | 97.9 |
| 865      | 5/9/2011 9:31  | 13.58  | 47.41  | 30.84        | 8.40    | 7.79 | 9.8               | 1.61            | 97.8 |
| 866      | 5/9/2011 9:46  | 13.65  | 46.98  | 30.53        | 8.38    | 7.79 | 9.8               | 1.52            | 97.6 |
| 867      | 5/9/2011 10:01 | 13.69  | 47.35  | 30.80        | 8.28    | 7.79 | 9.2               | 1.47            | 96.5 |
| 868      | 5/9/2011 10:16 | 13.73  | 47.11  | 30.62        | 8.24    | 7.79 | 8.5               | 1.40            | 96.1 |
| 869      | 5/9/2011 10:31 | 13.73  | 47.07  | 30.60        | 8.09    | 7.78 | 7.4               | 1.36            | 94.3 |
| 870      | 5/9/2011 10:46 | 13.81  | 47.11  | 30.63        | 7.90    | 7.78 | 6.9               | 1.33            | 92.3 |
| 871      | 5/9/2011 11:01 | 13.73  | 46.90  | 30.48        | 8.25    | 7.79 | 7.9               | 1.35            | 96.1 |
| 872      | 5/9/2011 11:16 | 13.68  | 47.12  | 30.63        | 8.23    | 7.78 | 7.6               | 1.37            | 95.9 |
| 873      | 5/9/2011 11:31 | 13.69  | 47.02  | 30.56        | 8.22    | 7.78 | 7.2               | 1.37            | 95.7 |
| 874      | 5/9/2011 11:46 | 13.71  | 47.17  | 30.67        | 8.27    | 7.78 | 10.1              | 1.43            | 96.4 |
| 875      | 5/9/2011 12:01 | 13.72  | 47.07  | 30.59        | 8.29    | 7.79 | 6.7               | 1.48            | 96.6 |
| 876      | 5/9/2011 12:16 | 13.71  | 47.18  | 30.67        | 8.23    | 7.78 | 6.9               | 1.52            | 95.9 |
| 877      | 5/9/2011 12:31 | 13.75  | 47.58  | 30.97        | 8.24    | 7.78 | 7.0               | 1.59            | 96.3 |
| 878      | 5/9/2011 12:46 | 13.74  | 47.18  | 30.68        | 8.23    | 7.78 | 6.7               | 1.63            | 96.0 |
| 879      | 5/9/2011 13:01 | 13.76  | 47.57  | 30.96        | 8.22    | 7.78 | 6.2               | 1.70            | 96.1 |
| 880      | 5/9/2011 13:16 | 13.92  | 47.57  | 30.97        | 8.35    | 7.79 | 6.8               | 1.77            | 97.9 |
| 881      | 5/9/2011 13:31 | 13.85  | 47.22  | 30.71        | 8.29    | 7.79 | 6.8               | 1.84            | 96.9 |
| 882      | 5/9/2011 13:46 | 13.74  | 47.07  | 30.60        | 8.18    | 7.78 | 6.3               | 1.91            | 95.4 |
| 883      | 5/9/2011 14:01 | 13.61  | 47.28  | 30.74        | 8.09    | 7.77 | 6.2               | 2.00            | 94.2 |
| 884      | 5/9/2011 14:16 | 13.28  | 47.73  | 31.06        | 8.00    | 7.75 | 5.9               | 2.08            | 92.7 |
| 885      | 5/9/2011 14:31 | 13.13  | 47.83  | 31.13        | 8.04    | 7.74 | 6.3               | 2.16            | 92.9 |
| 886      | 5/9/2011 14:46 | 13.09  | 48.15  | 31.36        | 8.10    | 7.74 | 6.8               | 2.25            | 93.6 |
| 887      | 5/9/2011 15:01 | 13.02  | 48.37  | 31.51        | 8.19    | 7.75 | 6.3               | 2.32            | 94.7 |
| 888      | 5/9/2011 15:16 | 12.88  |        |              | 8.29    | 7.74 | 6.2               | 2.40            | 93.5 |
| 889      | 5/9/2011 15:31 | 12.91  |        |              | 8.36    | 7.74 | 6.3               | 2.49            | 93.7 |
| 890      | 5/9/2011 15:46 | 13.07  |        |              | 8.45    | 7.75 | 5.9               | 2.55            | 95.9 |
| 891      | 5/9/2011 16:01 | 13.05  | 48.43  | 31.56        | 8.38    | 7.76 | 5.5               | 2.62            | 97.0 |
| 892      | 5/9/2011 16:16 | 12.98  | 48.85  | 31.86        | 8.39    | 7.75 | 5.9               | 2.68            | 97.1 |
| 893      | 5/9/2011 16:31 | 12.77  | 48.45  | 31.57        | 8.42    | 7.75 | 5.3               | 2.74            | 96.8 |
| 894      | 5/9/2011 16:46 | 12.62  | 48.64  | 31.69        | 8.37    | 7.75 | 5.7               | 2.80            | 96.0 |
| 895      | 5/9/2011 17:01 | 12.58  |        |              | 8.77    | 7.74 | 5.8               | 2.87            | 96.9 |
| 896      | 5/9/2011 17:16 | 12.51  | 48.86  | 31.85        | 8.50    | 7.74 | 5.7               | 2.90            | 97.4 |
| 897      | 5/9/2011 17:31 | 12.25  |        |              | 8.84    | 7.74 | 5.3               | 2.97            | 97.0 |
| 898      | 5/9/2011 17:46 | 12.04  |        |              | 8.96    | 7.74 | 4.6               | 3.01            | 97.5 |
| 899      | 5/9/2011 18:01 | 11.94  |        |              | 8.99    | 7.74 | 4.5               | 3.04            | 97.6 |
| 900      | 5/9/2011 18:16 | 12.03  |        |              | 8.89    | 7.74 | 3.9               | 3.06            | 97.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 901      | 5/9/2011 18:31 | 12.11  |                 |              | 8.92            | 7.74 | 4.6               | 3.08            | 96.3  |
| 902      | 5/9/2011 18:46 | 12.00  |                 |              | 8.93            | 7.73 | 4.2               | 3.06            | 96.5  |
| 903      | 5/9/2011 19:01 | 12.02  |                 |              | 8.72            | 7.74 | 5.1               | 3.04            | 96.7  |
| 904      | 5/9/2011 19:16 | 12.55  | 48.74           | 31.77        | 8.91            | 7.79 | 8.7               | 2.99            | 102.1 |
| 905      | 5/9/2011 19:31 | 12.42  | 48.77           | 31.78        | 8.94            | 7.79 | 8.8               | 2.95            | 102.1 |
| 906      | 5/9/2011 19:46 | 12.38  | 49.15           | 32.06        | 8.93            | 7.78 | 9.5               | 2.89            | 102.1 |
| 907      | 5/9/2011 20:01 | 12.36  | 48.40           | 31.51        | 8.95            | 7.78 | 9.8               | 2.84            | 102.0 |
| 908      | 5/9/2011 20:16 | 12.47  | 49.06           | 31.99        | 8.80            | 7.77 | 11.0              | 2.77            | 100.8 |
| 909      | 5/9/2011 20:31 | 12.57  | 49.01           | 31.96        | 8.74            | 7.77 | 9.8               | 2.71            | 100.4 |
| 910      | 5/9/2011 20:46 | 12.88  |                 |              | 9.11            | 7.77 | 15.6              | 2.68            | 99.0  |
| 911      | 5/9/2011 21:01 | 12.85  |                 |              | 9.06            | 7.77 | 14.3              | 2.61            | 98.8  |
| 912      | 5/9/2011 21:16 | 12.92  |                 |              | 9.11            | 7.77 | 13.6              | 2.56            | 98.8  |
| 913      | 5/9/2011 21:31 | 12.98  |                 |              | 9.10            | 7.77 | 14.2              | 2.51            | 98.3  |
| 914      | 5/9/2011 21:46 | 13.19  |                 |              | 9.00            | 7.77 | 14.5              | 2.47            | 98.1  |
| 915      | 5/9/2011 22:01 | 13.16  |                 |              | 8.68            | 7.77 | 13.6              | 2.41            | 97.3  |
| 916      | 5/9/2011 22:16 | 13.23  |                 |              | 8.64            | 7.77 | 13.9              | 2.36            | 97.0  |
| 917      | 5/9/2011 22:31 | 13.33  |                 |              | 8.44            | 7.78 | 13.9              | 2.33            | 96.6  |
| 918      | 5/9/2011 22:46 | 13.60  |                 |              | 8.80            | 7.78 | 14.7              | 2.32            | 96.5  |
| 919      | 5/9/2011 23:01 | 13.59  |                 |              | 8.44            | 7.77 | 13.9              | 2.28            | 95.5  |
| 920      | 5/9/2011 23:16 | 13.66  |                 |              | 8.68            | 7.77 | 13.6              | 2.27            | 95.6  |
| 921      | 5/9/2011 23:31 | 13.61  |                 |              | 8.61            | 7.76 | 12.4              | 2.28            | 93.9  |
| 922      | 5/9/2011 23:46 | 13.48  |                 |              | 8.43            | 7.77 | 12.3              | 2.28            | 96.0  |
| 923      | 5/10/2011 0:01 | 13.66  |                 |              | 8.77            | 7.77 | 11.8              | 2.30            | 96.4  |
| 924      | 5/10/2011 0:16 | 13.45  |                 |              | 8.44            | 7.75 | 11.2              | 2.33            | 95.1  |
| 925      | 5/10/2011 0:31 | 13.35  |                 |              | 8.44            | 7.75 | 9.6               | 2.36            | 94.7  |
| 926      | 5/10/2011 0:46 | 13.53  | 47.70           | 31.05        | 8.19            | 7.76 | 11.4              | 2.40            | 95.4  |
| 927      | 5/10/2011 1:01 | 13.64  |                 |              | 8.80            | 7.77 | 10.9              | 2.46            | 95.9  |
| 928      | 5/10/2011 1:16 | 13.37  | 47.81           | 31.12        | 8.18            | 7.75 | 8.8               | 2.49            | 94.9  |
| 929      | 5/10/2011 1:31 | 13.26  |                 |              | 8.76            | 7.75 | 8.1               | 2.56            | 94.6  |
| 930      | 5/10/2011 1:46 | 13.27  | 48.35           | 31.51        | 8.20            | 7.75 | 8.7               | 2.60            | 95.2  |
| 931      | 5/10/2011 2:01 | 13.26  | 48.29           | 31.46        | 8.29            | 7.76 | 8.2               | 2.64            | 96.2  |
| 932      | 5/10/2011 2:16 | 12.82  | 48.92           | 31.91        | 8.29            | 7.74 | 6.9               | 2.70            | 95.6  |
| 933      | 5/10/2011 2:31 | 12.75  | 48.84           | 31.85        | 8.32            | 7.75 | 6.9               | 2.75            | 95.8  |
| 934      | 5/10/2011 2:46 | 12.62  | 49.07           | 32.01        | 8.36            | 7.74 | 6.8               | 2.81            | 96.1  |
| 935      | 5/10/2011 3:01 | 12.43  |                 |              | 9.16            | 7.74 | 5.9               | 2.89            | 96.6  |
| 936      | 5/10/2011 3:16 | 12.34  |                 |              | 9.02            | 7.75 | 5.2               | 2.93            | 96.9  |
| 937      | 5/10/2011 3:31 | 12.20  |                 |              | 9.15            | 7.74 | 4.8               | 3.00            | 96.7  |
| 938      | 5/10/2011 3:46 | 12.04  |                 |              | 9.20            | 7.74 | 4.5               | 3.05            | 96.4  |
| 939      | 5/10/2011 4:01 | 11.73  |                 |              | 9.39            | 7.74 | 3.8               | 3.10            | 96.2  |
| 940      | 5/10/2011 4:16 | 11.55  |                 |              | 9.23            | 7.73 | 3.9               | 3.15            | 95.0  |
| 941      | 5/10/2011 4:31 | 11.44  |                 |              | 9.42            | 7.73 | 3.6               | 3.19            | 95.0  |
| 942      | 5/10/2011 4:46 | 11.39  |                 |              | 9.33            | 7.73 | 3.6               | 3.22            | 94.6  |
| 943      | 5/10/2011 5:01 | 11.31  |                 |              | 9.40            | 7.73 | 3.3               | 3.25            | 94.3  |
| 944      | 5/10/2011 5:16 | 11.37  | 50.32           | 32.85        | 8.24            | 7.72 | 4.3               | 3.21            | 92.7  |
| 945      | 5/10/2011 5:31 | 11.37  |                 |              | 9.01            | 7.71 | 3.6               | 3.25            | 91.8  |
| 946      | 5/10/2011 5:46 | 11.36  |                 |              | 9.12            | 7.72 | 4.7               | 3.20            | 93.9  |
| 947      | 5/10/2011 6:01 | 11.56  | 49.89           | 32.55        | 8.29            | 7.72 | 4.8               | 3.14            | 93.6  |
| 948      | 5/10/2011 6:16 | 12.04  |                 |              | 8.92            | 7.70 | 7.0               | 3.13            | 91.3  |
| 949      | 5/10/2011 6:31 | 11.99  | 49.50           | 32.29        | 8.16            | 7.72 | 6.5               | 3.04            | 92.8  |
| 950      | 5/10/2011 6:46 | 11.87  |                 |              | 9.30            | 7.72 | 6.6               | 3.01            | 93.8  |
| 951      | 5/10/2011 7:01 | 12.17  | 49.47           | 32.28        | 8.17            | 7.72 | 7.4               | 2.89            | 93.2  |
| 952      | 5/10/2011 7:16 | 12.60  | 48.41           | 31.53        | 8.07            | 7.73 | 9.0               | 2.82            | 92.4  |
| 953      | 5/10/2011 7:31 | 12.68  | 48.52           | 31.61        | 8.07            | 7.73 | 9.7               | 2.73            | 92.7  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 954      | 5/10/2011 7:46  | 12.75  |        |              | 8.99    | 7.72 | 9.6               | 2.69            | 92.4  |
| 955      | 5/10/2011 8:01  | 12.81  |        |              | 9.04    | 7.73 | 8.6               | 2.60            | 92.7  |
| 956      | 5/10/2011 8:16  | 12.83  | 48.74  | 31.78        | 8.09    | 7.73 | 8.5               | 2.49            | 93.3  |
| 957      | 5/10/2011 8:31  | 12.91  | 48.45  | 31.57        | 8.21    | 7.73 | 8.9               | 2.39            | 94.6  |
| 958      | 5/10/2011 8:46  | 13.28  | 48.24  | 31.43        | 8.12    | 7.74 | 11.2              | 2.29            | 94.3  |
| 959      | 5/10/2011 9:01  | 13.26  |        |              | 9.01    | 7.75 | 11.9              | 2.23            | 94.4  |
| 960      | 5/10/2011 9:16  | 13.38  |        |              | 9.31    | 7.76 | 11.0              | 2.13            | 97.4  |
| 961      | 5/10/2011 9:31  | 13.59  | 48.26  | 31.46        | 8.36    | 7.76 | 11.5              | 2.00            | 97.8  |
| 962      | 5/10/2011 9:46  | 13.70  | 48.08  | 31.33        | 8.21    | 7.75 | 12.7              | 1.89            | 96.1  |
| 963      | 5/10/2011 10:01 | 13.79  | 48.00  | 31.27        | 8.40    | 7.77 | 12.2              | 1.80            | 98.5  |
| 964      | 5/10/2011 10:16 | 13.92  | 47.87  | 31.18        | 8.37    | 7.78 | 12.2              | 1.72            | 98.3  |
| 965      | 5/10/2011 10:31 | 14.00  | 48.14  | 31.38        | 8.27    | 7.77 | 12.0              | 1.63            | 97.4  |
| 966      | 5/10/2011 10:46 | 14.04  | 47.97  | 31.26        | 8.20    | 7.76 | 11.2              | 1.56            | 96.6  |
| 967      | 5/10/2011 11:01 | 14.13  | 47.95  | 31.25        | 8.15    | 7.76 | 11.4              | 1.50            | 96.2  |
| 968      | 5/10/2011 11:16 | 14.18  | 47.93  | 31.24        | 8.09    | 7.76 | 10.7              | 1.45            | 95.6  |
| 969      | 5/10/2011 11:31 | 14.26  | 47.60  | 30.99        | 8.15    | 7.77 | 10.2              | 1.43            | 96.3  |
| 970      | 5/10/2011 11:46 | 14.39  | 47.75  | 31.11        | 7.98    | 7.78 | 10.0              | 1.39            | 94.6  |
| 971      | 5/10/2011 12:01 | 14.27  | 47.78  | 31.12        | 8.26    | 7.76 | 9.7               | 1.42            | 97.7  |
| 972      | 5/10/2011 12:16 | 14.07  | 48.03  | 31.31        | 8.06    | 7.76 | 10.1              | 1.43            | 95.0  |
| 973      | 5/10/2011 12:31 | 14.09  | 48.07  | 31.34        | 8.14    | 7.76 | 9.3               | 1.44            | 96.1  |
| 974      | 5/10/2011 12:46 | 14.20  | 48.01  | 31.29        | 8.18    | 7.77 | 9.6               | 1.49            | 96.7  |
| 975      | 5/10/2011 13:01 | 14.11  | 48.01  | 31.29        | 8.09    | 7.76 | 9.1               | 1.53            | 95.5  |
| 976      | 5/10/2011 13:16 | 14.17  | 47.82  | 31.15        | 8.15    | 7.76 | 9.2               | 1.58            | 96.2  |
| 977      | 5/10/2011 13:31 | 14.34  | 47.65  | 31.04        | 8.02    | 7.76 | 9.2               | 1.65            | 94.9  |
| 978      | 5/10/2011 13:46 | 14.23  | 47.52  | 30.94        | 7.96    | 7.75 | 9.0               | 1.71            | 93.9  |
| 979      | 5/10/2011 14:01 | 14.20  | 47.54  | 30.95        | 7.95    | 7.75 | 9.0               | 1.77            | 93.8  |
| 980      | 5/10/2011 14:16 | 14.14  | 47.68  | 31.05        | 7.94    | 7.75 | 8.3               | 1.84            | 93.6  |
| 981      | 5/10/2011 14:31 | 14.00  | 47.69  | 31.05        | 7.87    | 7.74 | 7.6               | 1.93            | 92.5  |
| 982      | 5/10/2011 14:46 | 13.85  | 47.70  | 31.06        | 7.81    | 7.73 | 7.6               | 2.00            | 91.6  |
| 983      | 5/10/2011 15:01 | 14.00  | 48.04  | 31.31        | 8.07    | 7.71 | 8.7               | 2.08            | 95.1  |
| 984      | 5/10/2011 15:16 | 13.87  | 48.01  | 31.29        | 8.25    | 7.76 | 7.9               | 2.16            | 96.9  |
| 985      | 5/10/2011 15:31 | 14.10  | 48.43  | 31.59        | 8.38    | 7.76 | 7.7               | 2.24            | 99.0  |
| 986      | 5/10/2011 15:46 | 13.40  | 48.75  | 31.80        | 8.22    | 7.73 | 6.6               | 2.32            | 95.9  |
| 987      | 5/10/2011 16:01 | 12.96  | 48.99  | 31.96        | 8.13    | 7.72 | 7.8               | 2.39            | 94.1  |
| 988      | 5/10/2011 16:16 | 12.97  | 49.08  | 32.03        | 8.17    | 7.73 | 7.3               | 2.48            | 94.6  |
| 989      | 5/10/2011 16:31 | 12.91  | 49.07  | 32.02        | 8.22    | 7.73 | 7.9               | 2.56            | 95.0  |
| 990      | 5/10/2011 16:46 | 12.79  | 49.33  | 32.20        | 8.19    | 7.73 | 8.0               | 2.64            | 94.7  |
| 991      | 5/10/2011 17:01 | 12.75  | 49.09  | 32.03        | 8.26    | 7.74 | 7.1               | 2.71            | 95.2  |
| 992      | 5/10/2011 17:16 | 12.71  | 49.30  | 32.18        | 8.32    | 7.74 | 8.7               | 2.78            | 95.9  |
| 993      | 5/10/2011 17:31 | 12.59  | 49.29  | 32.16        | 8.60    | 7.75 | 9.5               | 2.84            | 98.9  |
| 994      | 5/10/2011 17:46 | 12.48  | 49.52  | 32.33        | 8.65    | 7.75 | 8.7               | 2.91            | 99.3  |
| 995      | 5/10/2011 18:01 | 12.38  | 49.53  | 32.33        | 8.73    | 7.76 | 7.3               | 2.97            | 100.0 |
| 996      | 5/10/2011 18:16 | 12.18  | 49.74  | 32.48        | 8.93    | 7.77 | 6.9               | 3.03            | 102.1 |
| 997      | 5/10/2011 18:31 | 11.97  | 50.11  | 32.74        | 9.14    | 7.78 | 6.0               | 3.08            | 104.1 |
| 998      | 5/10/2011 18:46 | 11.81  | 50.54  | 33.04        | 9.22    | 7.78 | 4.7               | 3.11            | 104.9 |
| 999      | 5/10/2011 19:01 | 11.64  | 50.58  | 33.06        | 9.31    | 7.78 | 4.0               | 3.14            | 105.6 |
| 1000     | 5/10/2011 19:16 | 11.62  | 50.67  | 33.12        | 9.27    | 7.78 | 3.3               | 3.16            | 105.1 |
| 1001     | 5/10/2011 19:31 | 11.69  | 50.55  | 33.04        | 9.20    | 7.78 | 3.7               | 3.16            | 104.4 |
| 1002     | 5/10/2011 19:46 | 11.62  | 50.61  | 33.08        | 9.29    | 7.79 | 3.7               | 3.13            | 105.3 |
| 1003     | 5/10/2011 20:01 | 11.81  | 50.29  | 32.86        | 9.12    | 7.78 | 4.1               | 3.12            | 103.7 |
| 1004     | 5/10/2011 20:16 | 12.49  | 49.95  | 32.64        | 8.90    | 7.78 | 6.2               | 3.08            | 102.5 |
| 1005     | 5/10/2011 20:31 | 12.42  | 50.02  | 32.69        | 8.87    | 7.77 | 7.0               | 3.01            | 102.0 |
| 1006     | 5/10/2011 20:46 | 12.54  | 49.81  | 32.54        | 8.67    | 7.76 | 9.6               | 2.95            | 99.8  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1007     | 5/10/2011 21:01 | 12.38  | 49.81  | 32.53        | 8.76    | 7.76 | 8.5               | 2.89            | 100.6 |
| 1008     | 5/10/2011 21:16 | 12.51  | 49.62  | 32.40        | 8.70    | 7.77 | 8.3               | 2.81            | 100.0 |
| 1009     | 5/10/2011 21:31 | 12.48  | 49.85  | 32.57        | 8.63    | 7.76 | 7.7               | 2.74            | 99.2  |
| 1010     | 5/10/2011 21:46 | 12.46  | 49.68  | 32.44        | 8.63    | 7.77 | 6.6               | 2.67            | 99.1  |
| 1011     | 5/10/2011 22:01 | 12.94  | 49.43  | 32.28        | 8.53    | 7.77 | 8.9               | 2.60            | 98.9  |
| 1012     | 5/10/2011 22:16 | 12.94  | 49.29  | 32.18        | 8.46    | 7.76 | 9.0               | 2.55            | 98.0  |
| 1013     | 5/10/2011 22:31 | 13.20  | 48.98  | 31.96        | 8.38    | 7.76 | 10.7              | 2.48            | 97.5  |
| 1014     | 5/10/2011 22:46 | 13.17  | 48.90  | 31.90        | 8.31    | 7.75 | 10.6              | 2.42            | 96.5  |
| 1015     | 5/10/2011 23:01 | 13.65  | 48.43  | 31.58        | 8.26    | 7.76 | 11.2              | 2.36            | 96.8  |
| 1016     | 5/10/2011 23:16 | 13.57  | 48.08  | 31.33        | 8.23    | 7.76 | 9.8               | 2.31            | 96.1  |
| 1017     | 5/10/2011 23:31 | 13.73  | 48.36  | 31.53        | 8.21    | 7.76 | 10.4              | 2.26            | 96.3  |
| 1018     | 5/10/2011 23:46 | 13.69  | 48.06  | 31.32        | 8.20    | 7.76 | 10.1              | 2.22            | 96.0  |
| 1019     | 5/11/2011 0:01  | 13.78  | 48.31  | 31.50        | 8.14    | 7.75 | 9.9               | 2.19            | 95.5  |
| 1020     | 5/11/2011 0:16  | 13.81  | 48.30  | 31.49        | 8.10    | 7.75 | 9.3               | 2.16            | 95.2  |
| 1021     | 5/11/2011 0:31  | 13.87  | 48.05  | 31.31        | 8.09    | 7.76 | 7.4               | 2.15            | 95.0  |
| 1022     | 5/11/2011 0:46  | 13.80  | 48.47  | 31.62        | 8.07    | 7.75 | 7.1               | 2.14            | 94.8  |
| 1023     | 5/11/2011 1:01  | 13.76  | 48.39  | 31.56        | 8.10    | 7.75 | 7.4               | 2.14            | 95.1  |
| 1024     | 5/11/2011 1:16  | 13.72  | 48.44  | 31.59        | 8.14    | 7.75 | 7.9               | 2.17            | 95.4  |
| 1025     | 5/11/2011 1:31  | 14.01  | 48.32  | 31.51        | 8.24    | 7.77 | 8.5               | 2.18            | 97.2  |
| 1026     | 5/11/2011 1:46  | 13.72  | 48.36  | 31.54        | 8.06    | 7.74 | 8.3               | 2.23            | 94.5  |
| 1027     | 5/11/2011 2:01  | 13.61  | 48.28  | 31.47        | 7.95    | 7.74 | 8.4               | 2.27            | 93.0  |
| 1028     | 5/11/2011 2:16  | 13.88  | 48.29  | 31.48        | 8.18    | 7.76 | 7.9               | 2.33            | 96.2  |
| 1029     | 5/11/2011 2:31  | 14.02  | 48.18  | 31.41        | 8.21    | 7.77 | 7.7               | 2.38            | 96.8  |
| 1030     | 5/11/2011 2:46  | 13.60  | 48.49  | 31.62        | 8.04    | 7.74 | 6.4               | 2.43            | 94.1  |
| 1031     | 5/11/2011 3:01  | 13.46  | 48.53  | 31.65        | 8.11    | 7.74 | 7.1               | 2.49            | 94.6  |
| 1032     | 5/11/2011 3:16  | 13.21  | 49.06  | 32.02        | 8.19    | 7.74 | 5.7               | 2.54            | 95.3  |
| 1033     | 5/11/2011 3:31  | 13.19  | 49.03  | 32.00        | 8.23    | 7.74 | 5.8               | 2.60            | 95.7  |
| 1034     | 5/11/2011 3:46  | 13.03  | 48.90  | 31.90        | 8.32    | 7.74 | 5.5               | 2.66            | 96.4  |
| 1035     | 5/11/2011 4:01  | 12.97  | 49.32  | 32.20        | 8.34    | 7.74 | 5.2               | 2.71            | 96.6  |
| 1036     | 5/11/2011 4:16  | 12.72  | 49.49  | 32.32        | 8.41    | 7.74 | 5.2               | 2.76            | 97.1  |
| 1037     | 5/11/2011 4:31  | 12.57  | 49.58  | 32.38        | 8.42    | 7.74 | 4.8               | 2.82            | 97.0  |
| 1038     | 5/11/2011 4:46  | 12.59  | 49.35  | 32.21        | 8.42    | 7.74 | 4.8               | 2.87            | 96.9  |
| 1039     | 5/11/2011 5:01  | 12.43  | 49.36  | 32.21        | 8.48    | 7.75 | 4.8               | 2.91            | 97.2  |
| 1040     | 5/11/2011 5:16  | 12.25  | 49.52  | 32.32        | 8.51    | 7.75 | 3.8               | 2.97            | 97.3  |
| 1041     | 5/11/2011 5:31  | 11.92  | 50.22  | 32.81        | 8.49    | 7.74 | 3.9               | 3.02            | 96.7  |
| 1042     | 5/11/2011 5:46  | 11.74  | 50.23  | 32.81        | 8.55    | 7.74 | 3.7               | 3.05            | 97.0  |
| 1043     | 5/11/2011 6:01  | 11.79  | 50.21  | 32.80        | 8.50    | 7.74 | 3.4               | 3.08            | 96.5  |
| 1044     | 5/11/2011 6:16  | 11.66  | 50.53  | 33.03        | 8.53    | 7.74 | 3.2               | 3.10            | 96.7  |
| 1045     | 5/11/2011 6:31  | 11.77  | 50.19  | 32.78        | 8.46    | 7.73 | 4.1               | 3.12            | 96.0  |
| 1046     | 5/11/2011 6:46  | 11.62  | 50.30  | 32.85        | 8.41    | 7.74 | 3.4               | 3.11            | 95.2  |
| 1047     | 5/11/2011 7:01  | 11.58  | 50.34  | 32.88        | 8.45    | 7.74 | 4.1               | 3.09            | 95.6  |
| 1048     | 5/11/2011 7:16  | 11.86  | 50.12  | 32.74        | 8.33    | 7.74 | 4.0               | 3.07            | 94.7  |
| 1049     | 5/11/2011 7:31  | 12.14  | 50.09  | 32.73        | 8.31    | 7.73 | 5.1               | 3.02            | 95.0  |
| 1050     | 5/11/2011 7:46  | 12.18  | 49.90  | 32.59        | 8.35    | 7.73 | 5.4               | 2.97            | 95.5  |
| 1051     | 5/11/2011 8:01  | 12.40  | 49.47  | 32.29        | 8.29    | 7.74 | 6.3               | 2.91            | 95.1  |
| 1052     | 5/11/2011 8:16  | 12.61  | 49.63  | 32.41        | 8.26    | 7.73 | 5.9               | 2.84            | 95.2  |
| 1053     | 5/11/2011 8:31  | 12.72  | 49.15  | 32.07        | 8.19    | 7.73 | 7.1               | 2.76            | 94.4  |
| 1054     | 5/11/2011 8:46  | 12.88  | 49.11  | 32.04        | 8.09    | 7.73 | 7.1               | 2.67            | 93.5  |
| 1055     | 5/11/2011 9:01  | 12.91  | 49.09  | 32.03        | 8.10    | 7.73 | 6.4               | 2.61            | 93.7  |
| 1056     | 5/11/2011 9:16  | 13.08  | 48.96  | 31.94        | 8.04    | 7.73 | 7.1               | 2.52            | 93.2  |
| 1057     | 5/11/2011 9:31  | 12.96  | 49.10  | 32.04        | 8.27    | 7.74 | 6.8               | 2.42            | 95.8  |
| 1058     | 5/11/2011 9:46  | 13.29  | 49.02  | 32.00        | 8.37    | 7.75 | 7.7               | 2.35            | 97.6  |
| 1059     | 5/11/2011 10:01 | 13.53  | 48.75  | 31.81        | 8.18    | 7.75 | 9.3               | 2.25            | 95.7  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1060     | 5/11/2011 10:16 | 13.80  | 48.34  | 31.52        | 8.27    | 7.77 | 9.0               | 2.15            | 97.1  |
| 1061     | 5/11/2011 10:31 | 13.56  | 48.89  | 31.91        | 8.62    | 7.79 | 7.9               | 2.06            | 100.9 |
| 1062     | 5/11/2011 10:46 | 14.02  | 48.43  | 31.59        | 8.43    | 7.73 | 8.8               | 1.97            | 99.4  |
| 1063     | 5/11/2011 11:01 | 14.06  | 48.48  | 31.63        | 8.49    | 7.78 | 9.0               | 1.89            | 100.3 |
| 1064     | 5/11/2011 11:16 | 14.23  | 48.56  | 31.70        | 8.51    | 7.79 | 9.0               | 1.80            | 100.9 |
| 1065     | 5/11/2011 11:31 | 14.42  | 48.19  | 31.43        | 8.40    | 7.79 | 8.9               | 1.71            | 99.8  |
| 1066     | 5/11/2011 11:46 | 14.45  | 48.13  | 31.39        | 8.35    | 7.79 | 8.2               | 1.65            | 99.3  |
| 1067     | 5/11/2011 12:01 | 14.45  | 48.15  | 31.40        | 8.29    | 7.79 | 8.5               | 1.60            | 98.6  |
| 1068     | 5/11/2011 12:16 | 14.43  | 48.13  | 31.39        | 8.26    | 7.79 | 7.8               | 1.55            | 98.1  |
| 1069     | 5/11/2011 12:31 | 14.45  | 48.24  | 31.47        | 8.20    | 7.78 | 7.9               | 1.52            | 97.6  |
| 1070     | 5/11/2011 12:46 | 14.49  | 48.13  | 31.39        | 8.23    | 7.78 | 7.4               | 1.52            | 97.9  |
| 1071     | 5/11/2011 13:01 | 14.22  | 48.23  | 31.45        | 8.08    | 7.76 | 6.8               | 1.51            | 95.6  |
| 1072     | 5/11/2011 13:16 | 14.21  | 48.36  | 31.54        | 8.01    | 7.76 | 7.4               | 1.53            | 94.8  |
| 1073     | 5/11/2011 13:31 | 14.19  | 47.24  | 30.73        | 8.17    | 7.76 | 7.6               | 1.57            | 96.3  |
| 1074     | 5/11/2011 13:46 | 14.38  | 48.10  | 31.36        | 8.37    | 7.79 | 7.1               | 1.60            | 99.3  |
| 1075     | 5/11/2011 14:01 | 14.33  | 48.08  | 31.35        | 8.31    | 7.78 | 6.8               | 1.66            | 98.5  |
| 1076     | 5/11/2011 14:16 | 14.47  | 48.16  | 31.41        | 8.30    | 7.78 | 6.7               | 1.71            | 98.7  |
| 1077     | 5/11/2011 14:31 | 14.27  | 48.03  | 31.31        | 8.14    | 7.76 | 7.0               | 1.77            | 96.4  |
| 1078     | 5/11/2011 14:46 | 14.57  | 47.80  | 31.15        | 8.16    | 7.77 | 7.0               | 1.84            | 97.2  |
| 1079     | 5/11/2011 15:01 | 14.40  | 47.97  | 31.27        | 8.09    | 7.75 | 6.9               | 1.92            | 96.1  |
| 1080     | 5/11/2011 15:16 | 14.30  | 48.10  | 31.36        | 8.07    | 7.75 | 6.5               | 1.99            | 95.6  |
| 1081     | 5/11/2011 15:31 | 14.36  | 47.85  | 31.18        | 8.03    | 7.75 | 6.7               | 2.06            | 95.2  |
| 1082     | 5/11/2011 15:46 | 14.08  | 48.14  | 31.38        | 8.11    | 7.76 | 6.1               | 2.14            | 95.8  |
| 1083     | 5/11/2011 16:01 | 13.48  | 48.75  | 31.81        | 8.03    | 7.73 | 5.9               | 2.21            | 93.8  |
| 1084     | 5/11/2011 16:16 | 13.50  | 49.04  | 32.02        | 8.20    | 7.74 | 5.7               | 2.30            | 96.0  |
| 1085     | 5/11/2011 16:31 | 13.24  | 49.06  | 32.03        | 8.21    | 7.73 | 7.0               | 2.38            | 95.5  |
| 1086     | 5/11/2011 16:46 | 13.15  | 49.17  | 32.10        | 8.27    | 7.74 | 6.7               | 2.47            | 96.2  |
| 1087     | 5/11/2011 17:01 | 13.08  | 49.41  | 32.28        | 8.31    | 7.74 | 7.2               | 2.55            | 96.6  |
| 1088     | 5/11/2011 17:16 | 12.98  | 49.18  | 32.10        | 8.34    | 7.74 | 7.1               | 2.63            | 96.6  |
| 1089     | 5/11/2011 17:31 | 12.95  | 49.38  | 32.24        | 8.42    | 7.74 | 7.4               | 2.71            | 97.6  |
| 1090     | 5/11/2011 17:46 | 12.77  | 49.31  | 32.19        | 8.46    | 7.75 | 8.2               | 2.80            | 97.6  |
| 1091     | 5/11/2011 18:01 | 12.58  | 49.58  | 32.37        | 8.72    | 7.76 | 10.3              | 2.87            | 100.4 |
| 1092     | 5/11/2011 18:16 | 12.49  |        |              | 9.83    | 7.76 | 9.2               | 2.98            | 101.6 |
| 1093     | 5/11/2011 18:31 | 12.43  | 49.81  | 32.54        | 8.97    | 7.77 | 8.6               | 3.02            | 103.0 |
| 1094     | 5/11/2011 18:46 | 12.26  | 50.12  | 32.75        | 9.03    | 7.77 | 7.6               | 3.09            | 103.5 |
| 1095     | 5/11/2011 19:01 | 11.84  | 50.34  | 32.90        | 9.07    | 7.77 | 6.9               | 3.15            | 103.2 |
| 1096     | 5/11/2011 19:16 | 11.56  | 50.71  | 33.15        | 9.13    | 7.72 | 5.4               | 3.21            | 103.4 |
| 1097     | 5/11/2011 19:31 | 11.39  | 50.90  | 33.28        | 9.16    | 7.72 | 4.4               | 3.26            | 103.5 |
| 1098     | 5/11/2011 19:46 | 11.36  | 50.58  | 33.05        | 9.13    | 7.72 | 3.7               | 3.30            | 102.8 |
| 1099     | 5/11/2011 20:01 | 11.31  | 50.63  | 33.08        | 9.13    | 7.82 | 3.2               | 3.32            | 102.8 |
| 1100     | 5/11/2011 20:16 | 11.46  | 50.64  | 33.09        | 8.97    | 7.78 | 4.3               | 3.33            | 101.3 |
| 1101     | 5/11/2011 20:31 | 11.26  | 50.95  | 33.31        | 9.09    | 7.78 | 3.8               | 3.32            | 102.4 |
| 1102     | 5/11/2011 20:46 | 11.30  | 50.73  | 33.15        | 9.10    | 7.78 | 4.2               | 3.29            | 102.5 |
| 1103     | 5/11/2011 21:01 | 12.50  | 49.69  | 32.45        | 8.72    | 7.77 | 6.5               | 3.24            | 100.2 |
| 1104     | 5/11/2011 21:16 | 12.68  | 49.70  | 32.47        | 8.58    | 7.76 | 6.5               | 3.17            | 99.1  |
| 1105     | 5/11/2011 21:31 | 12.49  | 49.87  | 32.58        | 8.66    | 7.76 | 6.7               | 3.10            | 99.6  |
| 1106     | 5/11/2011 21:46 | 12.76  | 49.29  | 32.18        | 8.61    | 7.76 | 7.1               | 3.02            | 99.3  |
| 1107     | 5/11/2011 22:01 | 12.81  | 49.32  | 32.19        | 8.69    | 7.77 | 8.3               | 2.94            | 100.4 |
| 1108     | 5/11/2011 22:16 | 12.84  | 49.09  | 32.03        | 8.54    | 7.76 | 6.8               | 2.86            | 98.7  |
| 1109     | 5/11/2011 22:31 | 13.02  | 49.12  | 32.06        | 8.38    | 7.75 | 7.1               | 2.78            | 97.2  |
| 1110     | 5/11/2011 22:46 | 13.18  | 48.90  | 31.91        | 8.29    | 7.75 | 6.7               | 2.70            | 96.4  |
| 1111     | 5/11/2011 23:01 | 13.32  | 49.04  | 32.01        | 8.32    | 7.75 | 7.6               | 2.62            | 97.0  |
| 1112     | 5/11/2011 23:16 | 13.26  | 49.08  | 32.04        | 8.25    | 7.74 | 6.8               | 2.54            | 96.2  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1113     | 5/11/2011 23:31 | 13.19  | 48.75  | 31.80        | 8.31    | 7.74 | 6.9               | 2.45            | 96.5  |
| 1114     | 5/11/2011 23:46 | 13.65  | 48.25  | 31.45        | 8.31    | 7.76 | 7.4               | 2.38            | 97.3  |
| 1115     | 5/12/2011 0:01  | 13.79  | 48.44  | 31.59        | 8.30    | 7.77 | 7.1               | 2.32            | 97.5  |
| 1116     | 5/12/2011 0:16  | 13.69  | 48.62  | 31.72        | 8.29    | 7.76 | 7.3               | 2.22            | 97.2  |
| 1117     | 5/12/2011 0:31  | 13.64  | 48.59  | 31.69        | 8.24    | 7.76 | 7.0               | 2.15            | 96.6  |
| 1118     | 5/12/2011 0:46  | 14.07  | 48.47  | 31.63        | 8.25    | 7.77 | 7.5               | 2.09            | 97.5  |
| 1119     | 5/12/2011 1:01  | 14.07  | 48.19  | 31.42        | 8.31    | 7.78 | 7.6               | 2.04            | 98.1  |
| 1120     | 5/12/2011 1:16  | 13.99  | 48.34  | 31.52        | 8.22    | 7.77 | 7.9               | 1.99            | 96.9  |
| 1121     | 5/12/2011 1:31  | 13.98  | 48.40  | 31.57        | 8.17    | 7.76 | 7.5               | 1.94            | 96.3  |
| 1122     | 5/12/2011 1:46  | 14.11  | 48.07  | 31.33        | 8.23    | 7.78 | 7.7               | 1.95            | 97.1  |
| 1123     | 5/12/2011 2:01  | 14.06  | 48.13  | 31.38        | 8.15    | 7.77 | 7.6               | 1.93            | 96.2  |
| 1124     | 5/12/2011 2:16  | 13.99  | 48.40  | 31.57        | 8.13    | 7.76 | 8.9               | 1.94            | 95.9  |
| 1125     | 5/12/2011 2:31  | 13.96  | 48.43  | 31.59        | 8.13    | 7.76 | 9.3               | 1.98            | 95.8  |
| 1126     | 5/12/2011 2:46  | 13.92  | 48.37  | 31.55        | 8.14    | 7.76 | 8.4               | 2.02            | 95.8  |
| 1127     | 5/12/2011 3:01  | 13.98  | 48.36  | 31.54        | 8.18    | 7.76 | 7.0               | 2.07            | 96.4  |
| 1128     | 5/12/2011 3:16  | 13.95  | 48.57  | 31.69        | 8.15    | 7.75 | 7.3               | 2.12            | 96.1  |
| 1129     | 5/12/2011 3:31  | 13.97  | 48.05  | 31.31        | 8.14    | 7.76 | 7.3               | 2.20            | 95.8  |
| 1130     | 5/12/2011 3:46  | 13.97  | 48.32  | 31.51        | 8.11    | 7.75 | 7.0               | 2.25            | 95.6  |
| 1131     | 5/12/2011 4:01  | 13.93  | 48.35  | 31.53        | 8.10    | 7.75 | 6.3               | 2.32            | 95.4  |
| 1132     | 5/12/2011 4:16  | 13.86  | 48.16  | 31.39        | 8.07    | 7.75 | 6.3               | 2.38            | 94.8  |
| 1133     | 5/12/2011 4:31  | 13.51  | 48.78  | 31.83        | 8.08    | 7.73 | 5.4               | 2.44            | 94.4  |
| 1134     | 5/12/2011 4:46  | 13.26  | 49.02  | 32.00        | 8.10    | 7.73 | 4.5               | 2.50            | 94.3  |
| 1135     | 5/12/2011 5:01  | 13.23  | 48.97  | 31.96        | 8.09    | 7.73 | 4.9               | 2.56            | 94.2  |
| 1136     | 5/12/2011 5:16  | 13.10  | 49.00  | 31.98        | 8.13    | 7.73 | 4.6               | 2.62            | 94.4  |
| 1137     | 5/12/2011 5:31  | 12.94  | 49.11  | 32.05        | 8.19    | 7.73 | 4.5               | 2.67            | 94.8  |
| 1138     | 5/12/2011 5:46  | 12.77  | 49.28  | 32.17        | 8.23    | 7.74 | 4.6               | 2.72            | 95.0  |
| 1139     | 5/12/2011 6:01  | 12.69  | 49.27  | 32.16        | 8.25    | 7.73 | 4.2               | 2.78            | 95.1  |
| 1140     | 5/12/2011 6:16  | 12.54  | 49.63  | 32.41        | 8.28    | 7.73 | 4.0               | 2.84            | 95.3  |
| 1141     | 5/12/2011 6:31  | 12.44  | 49.54  | 32.34        | 8.30    | 7.73 | 3.8               | 2.89            | 95.2  |
| 1142     | 5/12/2011 6:46  | 12.31  | 49.41  | 32.24        | 8.30    | 7.74 | 3.9               | 2.94            | 95.0  |
| 1143     | 5/12/2011 7:01  | 12.20  | 49.78  | 32.51        | 8.31    | 7.73 | 4.0               | 2.99            | 95.0  |
| 1144     | 5/12/2011 7:16  | 12.10  | 49.62  | 32.38        | 8.29    | 7.73 | 3.8               | 3.03            | 94.5  |
| 1145     | 5/12/2011 7:31  | 12.08  | 49.96  | 32.63        | 8.30    | 7.73 | 3.8               | 3.06            | 94.7  |
| 1146     | 5/12/2011 7:46  | 12.02  | 49.84  | 32.54        | 8.26    | 7.73 | 3.5               | 3.08            | 94.1  |
| 1147     | 5/12/2011 8:01  | 12.23  | 49.75  | 32.48        | 8.15    | 7.72 | 3.6               | 3.10            | 93.2  |
| 1148     | 5/12/2011 8:16  | 11.97  | 50.16  | 32.77        | 8.14    | 7.72 | 2.9               | 3.10            | 92.7  |
| 1149     | 5/12/2011 8:31  | 11.96  | 50.04  | 32.68        | 8.19    | 7.72 | 4.0               | 3.07            | 93.3  |
| 1150     | 5/12/2011 8:46  | 12.03  | 49.79  | 32.51        | 8.22    | 7.72 | 4.3               | 3.03            | 93.6  |
| 1151     | 5/12/2011 9:01  | 12.37  | 49.57  | 32.36        | 8.20    | 7.73 | 5.3               | 2.98            | 94.0  |
| 1152     | 5/12/2011 9:16  | 12.64  | 49.34  | 32.21        | 8.27    | 7.73 | 6.7               | 2.91            | 95.2  |
| 1153     | 5/12/2011 9:31  | 12.77  | 49.39  | 32.25        | 8.60    | 7.76 | 6.1               | 2.84            | 99.3  |
| 1154     | 5/12/2011 9:46  | 12.75  | 49.41  | 32.26        | 8.80    | 7.78 | 5.9               | 2.76            | 101.6 |
| 1155     | 5/12/2011 10:01 | 12.90  | 49.03  | 31.99        | 8.95    | 7.78 | 6.1               | 2.67            | 103.5 |
| 1156     | 5/12/2011 10:16 | 13.07  | 49.54  | 32.37        | 9.14    | 7.79 | 6.2               | 2.60            | 106.3 |
| 1157     | 5/12/2011 10:31 | 13.41  | 48.83  | 31.86        | 9.20    | 7.80 | 7.4               | 2.50            | 107.4 |
| 1158     | 5/12/2011 10:46 | 13.65  | 48.75  | 31.81        | 9.16    | 7.79 | 8.0               | 2.41            | 107.4 |
| 1159     | 5/12/2011 11:01 | 13.82  | 48.86  | 31.90        | 8.80    | 7.78 | 9.7               | 2.33            | 103.6 |
| 1160     | 5/12/2011 11:16 | 14.01  | 48.70  | 31.79        | 9.12    | 7.80 | 8.7               | 2.23            | 107.7 |
| 1161     | 5/12/2011 11:31 | 14.09  | 48.39  | 31.56        | 8.86    | 7.79 | 9.1               | 2.13            | 104.7 |
| 1162     | 5/12/2011 11:46 | 14.21  | 48.20  | 31.43        | 8.83    | 7.80 | 8.7               | 2.05            | 104.4 |
| 1163     | 5/12/2011 12:01 | 14.24  | 48.54  | 31.68        | 8.84    | 7.80 | 9.2               | 1.97            | 104.9 |
| 1164     | 5/12/2011 12:16 | 14.33  | 48.54  | 31.68        | 8.92    | 7.80 | 8.8               | 1.87            | 105.9 |
| 1165     | 5/12/2011 12:31 | 14.40  | 48.55  | 31.69        | 8.89    | 7.81 | 8.3               | 1.80            | 105.7 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1166     | 5/12/2011 12:46 | 14.42  | 48.14  | 31.39        | 8.87    | 7.81 | 8.5               | 1.73            | 105.4 |
| 1167     | 5/12/2011 13:01 | 14.41  | 48.25  | 31.47        | 8.79    | 7.80 | 7.8               | 1.67            | 104.5 |
| 1168     | 5/12/2011 13:16 | 14.59  | 48.22  | 31.46        | 8.82    | 7.81 | 6.6               | 1.65            | 105.2 |
| 1169     | 5/12/2011 13:31 | 14.64  | 48.11  | 31.37        | 8.89    | 7.81 | 7.9               | 1.60            | 106.0 |
| 1170     | 5/12/2011 13:46 | 14.66  | 48.37  | 31.56        | 8.79    | 7.81 | 6.3               | 1.58            | 105.1 |
| 1171     | 5/12/2011 14:01 | 14.86  | 48.62  | 31.75        | 9.06    | 7.82 | 7.2               | 1.63            | 108.8 |
| 1172     | 5/12/2011 14:16 | 14.79  | 48.26  | 31.49        | 8.97    | 7.82 | 6.7               | 1.63            | 107.5 |
| 1173     | 5/12/2011 14:31 | 14.66  | 48.53  | 31.68        | 8.96    | 7.81 | 6.6               | 1.66            | 107.2 |
| 1174     | 5/12/2011 14:46 | 14.71  | 48.00  | 31.30        | 8.95    | 7.81 | 6.5               | 1.71            | 106.9 |
| 1175     | 5/12/2011 15:01 | 14.69  | 48.11  | 31.37        | 8.89    | 7.81 | 6.6               | 1.77            | 106.1 |
| 1176     | 5/12/2011 15:16 | 14.58  | 48.26  | 31.49        | 8.87    | 7.80 | 6.7               | 1.84            | 105.8 |
| 1177     | 5/12/2011 15:31 | 14.72  | 48.36  | 31.56        | 8.89    | 7.81 | 6.2               | 1.89            | 106.3 |
| 1178     | 5/12/2011 15:46 | 14.98  | 48.14  | 31.41        | 8.90    | 7.80 | 6.8               | 1.97            | 106.9 |
| 1179     | 5/12/2011 16:01 | 14.96  | 47.80  | 31.16        | 8.78    | 7.79 | 7.2               | 2.04            | 105.3 |
| 1180     | 5/12/2011 16:16 | 14.85  | 48.05  | 31.34        | 8.74    | 7.79 | 6.3               | 2.12            | 104.7 |
| 1181     | 5/12/2011 16:31 | 14.71  | 48.37  | 31.57        | 8.68    | 7.78 | 6.1               | 2.20            | 103.8 |
| 1182     | 5/12/2011 16:46 | 14.57  | 48.15  | 31.40        | 8.87    | 7.80 | 5.6               | 2.28            | 105.7 |
| 1183     | 5/12/2011 17:01 | 14.00  | 48.79  | 31.85        | 8.54    | 7.76 | 5.2               | 2.37            | 100.9 |
| 1184     | 5/12/2011 17:16 | 13.62  | 48.45  | 31.60        | 8.39    | 7.75 | 6.0               | 2.45            | 98.2  |
| 1185     | 5/12/2011 17:31 | 13.43  | 48.80  | 31.84        | 8.39    | 7.74 | 6.4               | 2.54            | 98.0  |
| 1186     | 5/12/2011 17:46 | 13.29  | 48.92  | 31.93        | 8.41    | 7.75 | 7.2               | 2.62            | 98.0  |
| 1187     | 5/12/2011 18:01 | 13.27  |        |              | 9.51    | 7.75 | 6.6               | 2.75            | 99.1  |
| 1188     | 5/12/2011 18:16 | 13.04  |        |              | 9.40    | 7.74 | 8.0               | 2.83            | 97.8  |
| 1189     | 5/12/2011 18:31 | 12.96  | 49.36  | 32.23        | 8.43    | 7.74 | 8.1               | 2.87            | 97.7  |
| 1190     | 5/12/2011 18:46 | 12.78  | 49.19  | 32.10        | 8.67    | 7.75 | 11.2              | 2.96            | 100.0 |
| 1191     | 5/12/2011 19:01 | 12.50  | 49.52  | 32.33        | 8.75    | 7.75 | 10.8              | 3.04            | 100.5 |
| 1192     | 5/12/2011 19:16 | 12.41  | 49.41  | 32.25        | 8.83    | 7.77 | 10.2              | 3.13            | 101.2 |
| 1193     | 5/12/2011 19:31 | 12.14  | 49.88  | 32.58        | 8.90    | 7.77 | 9.2               | 3.20            | 101.7 |
| 1194     | 5/12/2011 19:46 | 11.68  | 50.21  | 32.79        | 8.98    | 7.78 | 7.5               | 3.27            | 101.7 |
| 1195     | 5/12/2011 20:01 | 11.53  | 50.42  | 32.93        | 9.04    | 7.79 | 5.5               | 3.34            | 102.2 |
| 1196     | 5/12/2011 20:16 | 11.40  | 50.73  | 33.15        | 9.16    | 7.79 | 5.2               | 3.40            | 103.4 |
| 1197     | 5/12/2011 20:31 | 11.30  | 50.69  | 33.12        | 9.21    | 7.80 | 3.5               | 3.44            | 103.6 |
| 1198     | 5/12/2011 20:46 | 11.28  | 50.76  | 33.17        | 9.21    | 7.79 | 2.7               | 3.46            | 103.7 |
| 1199     | 5/12/2011 21:01 | 11.40  | 50.64  | 33.09        | 9.09    | 7.79 | 4.3               | 3.48            | 102.5 |
| 1200     | 5/12/2011 21:16 | 11.30  | 50.57  | 33.03        | 9.07    | 7.79 | 3.4               | 3.48            | 102.0 |
| 1201     | 5/12/2011 21:31 | 11.34  | 50.95  | 33.31        | 9.09    | 7.79 | 6.7               | 3.43            | 102.6 |
| 1202     | 5/12/2011 21:46 | 11.54  | 50.54  | 33.03        | 8.91    | 7.78 | 7.5               | 3.37            | 100.8 |
| 1203     | 5/12/2011 22:01 | 11.65  | 50.19  | 32.78        | 8.85    | 7.78 | 8.4               | 3.30            | 100.1 |
| 1204     | 5/12/2011 22:16 | 11.54  | 50.24  | 32.80        | 8.89    | 7.78 | 7.9               | 3.21            | 100.4 |
| 1205     | 5/12/2011 22:31 | 12.01  | 50.02  | 32.67        | 8.79    | 7.78 | 9.0               | 3.12            | 100.2 |
| 1206     | 5/12/2011 22:46 | 12.50  | 49.70  | 32.46        | 8.65    | 7.77 | 10.3              | 3.02            | 99.5  |
| 1207     | 5/12/2011 23:01 | 12.84  |        |              | 9.54    | 7.76 | 13.9              | 2.96            | 99.0  |
| 1208     | 5/12/2011 23:16 | 13.11  | 48.67  | 31.74        | 8.43    | 7.76 | 11.2              | 2.82            | 97.8  |
| 1209     | 5/12/2011 23:31 | 13.36  | 48.36  | 31.52        | 8.37    | 7.76 | 12.1              | 2.71            | 97.4  |
| 1210     | 5/12/2011 23:46 | 13.10  | 48.71  | 31.77        | 8.34    | 7.74 | 11.3              | 2.62            | 96.7  |
| 1211     | 5/13/2011 0:01  | 13.37  | 48.24  | 31.43        | 8.41    | 7.76 | 12.0              | 2.52            | 97.9  |
| 1212     | 5/13/2011 0:16  | 13.17  | 48.60  | 31.69        | 8.34    | 7.76 | 10.5              | 2.42            | 96.8  |
| 1213     | 5/13/2011 0:31  | 13.29  | 48.48  | 31.61        | 8.38    | 7.77 | 11.4              | 2.31            | 97.5  |
| 1214     | 5/13/2011 0:46  | 13.38  | 48.40  | 31.55        | 8.38    | 7.76 | 12.3              | 2.21            | 97.6  |
| 1215     | 5/13/2011 1:01  | 13.54  | 48.42  | 31.57        | 8.36    | 7.78 | 11.2              | 2.11            | 97.6  |
| 1216     | 5/13/2011 1:16  | 13.38  | 48.34  | 31.50        | 8.33    | 7.77 | 11.1              | 2.00            | 96.9  |
| 1217     | 5/13/2011 1:31  | 13.59  | 48.21  | 31.42        | 8.31    | 7.77 | 11.7              | 1.92            | 97.1  |
| 1218     | 5/13/2011 1:46  | 13.78  | 48.25  | 31.46        | 8.24    | 7.78 | 12.9              | 1.84            | 96.7  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1219     | 5/13/2011 2:01 | 13.99  | 48.27  | 31.47        | 8.22    | 7.78 | 13.9              | 1.76            | 96.9  |
| 1220     | 5/13/2011 2:16 | 14.07  | 48.16  | 31.40        | 8.21    | 7.78 | 13.5              | 1.69            | 96.9  |
| 1221     | 5/13/2011 2:31 | 14.18  | 47.93  | 31.23        | 8.16    | 7.79 | 13.3              | 1.66            | 96.3  |
| 1222     | 5/13/2011 2:46 | 14.24  | 48.26  | 31.47        | 8.14    | 7.78 | 12.4              | 1.64            | 96.4  |
| 1223     | 5/13/2011 3:01 | 14.13  | 47.94  | 31.24        | 8.11    | 7.78 | 12.1              | 1.62            | 95.7  |
| 1224     | 5/13/2011 3:16 | 14.15  | 47.91  | 31.22        | 8.16    | 7.78 | 11.8              | 1.64            | 96.4  |
| 1225     | 5/13/2011 3:31 | 14.12  | 48.11  | 31.36        | 8.16    | 7.78 | 12.0              | 1.68            | 96.3  |
| 1226     | 5/13/2011 3:46 | 14.08  | 48.13  | 31.37        | 8.21    | 7.78 | 10.7              | 1.73            | 96.8  |
| 1227     | 5/13/2011 4:01 | 14.06  | 48.31  | 31.50        | 8.22    | 7.78 | 10.8              | 1.78            | 97.0  |
| 1228     | 5/13/2011 4:16 | 14.13  | 47.66  | 31.03        | 8.09    | 7.78 | 11.8              | 1.86            | 95.3  |
| 1229     | 5/13/2011 4:31 | 14.10  | 47.83  | 31.16        | 8.07    | 7.77 | 11.5              | 1.93            | 95.1  |
| 1230     | 5/13/2011 4:46 | 14.13  | 47.78  | 31.12        | 8.02    | 7.77 | 12.1              | 2.00            | 94.6  |
| 1231     | 5/13/2011 5:01 | 14.08  | 48.07  | 31.33        | 8.00    | 7.77 | 11.4              | 2.06            | 94.4  |
| 1232     | 5/13/2011 5:16 | 13.87  | 48.29  | 31.49        | 8.07    | 7.76 | 11.2              | 2.14            | 94.9  |
| 1233     | 5/13/2011 5:31 | 13.61  | 48.25  | 31.45        | 8.13    | 7.75 | 9.1               | 2.21            | 95.1  |
| 1234     | 5/13/2011 5:46 | 13.46  | 48.84  | 31.87        | 8.11    | 7.75 | 8.0               | 2.28            | 94.8  |
| 1235     | 5/13/2011 6:01 | 13.31  | 48.99  | 31.97        | 8.13    | 7.75 | 7.6               | 2.35            | 94.8  |
| 1236     | 5/13/2011 6:16 | 13.15  | 49.11  | 32.06        | 8.19    | 7.74 | 7.0               | 2.41            | 95.2  |
| 1237     | 5/13/2011 6:31 | 13.06  | 48.99  | 31.97        | 8.19    | 7.74 | 6.7               | 2.48            | 95.0  |
| 1238     | 5/13/2011 6:46 | 12.96  | 49.26  | 32.16        | 8.23    | 7.74 | 6.2               | 2.55            | 95.4  |
| 1239     | 5/13/2011 7:01 | 12.93  | 49.16  | 32.08        | 8.21    | 7.74 | 6.3               | 2.61            | 95.1  |
| 1240     | 5/13/2011 7:16 | 12.80  | 49.34  | 32.21        | 8.23    | 7.74 | 6.6               | 2.68            | 95.1  |
| 1241     | 5/13/2011 7:31 | 12.59  | 49.50  | 32.32        | 8.28    | 7.74 | 7.4               | 2.75            | 95.4  |
| 1242     | 5/13/2011 7:46 | 12.48  | 49.58  | 32.37        | 8.31    | 7.74 | 6.5               | 2.81            | 95.5  |
| 1243     | 5/13/2011 8:01 | 12.32  |        |              | 9.24    | 7.75 | 6.5               | 2.90            | 95.6  |
| 1244     | 5/13/2011 8:16 | 12.18  |        |              | 9.36    | 7.75 | 6.0               | 2.96            | 95.7  |
|          | Mean           | 13.18  | 47.60  | 30.96        | 8.52    | 7.79 | 8.3               | 2.48            | 98.1  |
|          | Minimum        | 10.31  | 43.24  | 27.85        | 7.49    | 7.69 | 2.7               | 1.11            | 87.1  |
|          | Maximum        | 15.94  | 51.03  | 33.32        | 9.83    | 7.93 | 37.6              | 3.63            | 117.2 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

Conductivity/Salinity probe displaying inconsistent readings

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 0        | 5/13/2011 9:15  | 11.94  | 48.55  | 31.60        | 8.40    | 7.83 | 4.7               | 2.87            | 95.0  |
| 1        | 5/13/2011 9:30  | 12.12  | 48.46  | 31.54        | 8.43    | 7.84 | 3.4               | 2.88            | 95.6  |
| 2        | 5/13/2011 9:45  | 11.92  | 48.61  | 31.64        | 8.36    | 7.81 | 4.2               | 2.87            | 94.5  |
| 3        | 5/13/2011 10:00 | 11.89  | 48.59  | 31.63        | 8.41    | 7.82 | 4.5               | 2.83            | 95.0  |
| 4        | 5/13/2011 10:15 | 11.99  | 48.52  | 31.58        | 8.37    | 7.82 | 4.5               | 2.77            | 94.7  |
| 5        | 5/13/2011 10:30 | 12.51  | 48.21  | 31.38        | 8.48    | 7.83 | 5.6               | 2.71            | 96.9  |
| 6        | 5/13/2011 10:45 | 12.63  | 48.17  | 31.35        | 8.48    | 7.83 | 6.3               | 2.64            | 97.1  |
| 7        | 5/13/2011 11:00 | 12.94  | 48.07  | 31.29        | 8.64    | 7.84 | 7.8               | 2.55            | 99.5  |
| 8        | 5/13/2011 11:15 | 12.93  | 48.05  | 31.28        | 8.60    | 7.84 | 7.6               | 2.47            | 99.0  |
| 9        | 5/13/2011 11:30 | 13.11  | 47.82  | 31.12        | 8.52    | 7.83 | 8.5               | 2.38            | 98.4  |
| 10       | 5/13/2011 11:45 | 13.45  | 47.64  | 31.00        | 8.61    | 7.85 | 6.5               | 2.30            | 100.0 |
| 11       | 5/13/2011 12:00 | 13.56  | 47.61  | 30.98        | 8.69    | 7.85 | 7.1               | 2.21            | 101.2 |
| 12       | 5/13/2011 12:15 | 13.82  | 47.30  | 30.77        | 8.96    | 7.87 | 6.8               | 2.12            | 104.8 |
| 13       | 5/13/2011 12:30 | 13.94  | 47.41  | 30.85        | 8.98    | 7.87 | 7.4               | 2.03            | 105.3 |
| 14       | 5/13/2011 12:45 | 14.11  | 47.42  | 30.86        | 9.25    | 7.89 | 7.6               | 1.94            | 108.8 |
| 15       | 5/13/2011 13:00 | 14.18  | 47.34  | 30.81        | 9.00    | 7.88 | 7.7               | 1.85            | 106.0 |
| 16       | 5/13/2011 13:15 | 14.43  | 47.20  | 30.71        | 9.15    | 7.89 | 7.9               | 1.76            | 108.3 |
| 17       | 5/13/2011 13:30 | 14.51  | 47.23  | 30.74        | 9.06    | 7.88 | 8.0               | 1.71            | 107.5 |
| 18       | 5/13/2011 13:45 | 14.62  | 47.20  | 30.72        | 9.11    | 7.89 | 8.4               | 1.62            | 108.3 |
| 19       | 5/13/2011 14:00 | 14.80  | 47.21  | 30.73        | 9.18    | 7.90 | 8.5               | 1.57            | 109.5 |
| 20       | 5/13/2011 14:15 | 14.86  | 47.19  | 30.71        | 9.15    | 7.89 | 8.5               | 1.54            | 109.3 |
| 21       | 5/13/2011 14:30 | 14.91  | 47.13  | 30.67        | 9.12    | 7.89 | 8.5               | 1.50            | 109.0 |
| 22       | 5/13/2011 14:45 | 15.03  | 47.10  | 30.66        | 9.16    | 7.90 | 8.0               | 1.49            | 109.7 |
| 23       | 5/13/2011 15:00 | 15.03  | 47.22  | 30.74        | 9.29    | 7.90 | 7.2               | 1.49            | 111.3 |
| 24       | 5/13/2011 15:15 | 14.76  | 47.23  | 30.74        | 9.10    | 7.88 | 6.0               | 1.50            | 108.4 |
| 25       | 5/13/2011 15:30 | 14.67  | 47.18  | 30.71        | 9.09    | 7.87 | 6.6               | 1.55            | 108.1 |
| 26       | 5/13/2011 15:45 | 14.73  | 47.16  | 30.69        | 9.06    | 7.87 | 6.9               | 1.61            | 107.9 |
| 27       | 5/13/2011 16:00 | 14.59  | 47.16  | 30.69        | 8.93    | 7.86 | 7.3               | 1.66            | 106.0 |
| 28       | 5/13/2011 16:15 | 14.53  | 47.15  | 30.68        | 8.87    | 7.85 | 5.9               | 1.74            | 105.2 |
| 29       | 5/13/2011 16:30 | 14.65  | 47.04  | 30.60        | 8.88    | 7.85 | 7.2               | 1.81            | 105.4 |
| 30       | 5/13/2011 16:45 | 14.51  | 47.06  | 30.61        | 8.75    | 7.84 | 7.3               | 1.89            | 103.6 |
| 31       | 5/13/2011 17:00 | 14.38  | 47.16  | 30.68        | 8.80    | 7.84 | 6.8               | 1.98            | 104.0 |
| 32       | 5/13/2011 17:15 | 14.01  | 47.37  | 30.82        | 8.78    | 7.83 | 6.4               | 2.06            | 103.1 |
| 33       | 5/13/2011 17:30 | 13.84  | 47.46  | 30.88        | 8.71    | 7.82 | 6.1               | 2.15            | 102.0 |
| 34       | 5/13/2011 17:45 | 13.58  | 47.70  | 31.05        | 8.67    | 7.81 | 6.4               | 2.24            | 101.1 |
| 35       | 5/13/2011 18:00 | 13.47  | 47.78  | 31.10        | 8.73    | 7.81 | 7.3               | 2.32            | 101.5 |
| 36       | 5/13/2011 18:15 | 13.25  | 47.91  | 31.19        | 8.71    | 7.80 | 8.4               | 2.41            | 101.0 |
| 37       | 5/13/2011 18:30 | 13.10  | 47.99  | 31.25        | 8.67    | 7.79 | 7.8               | 2.50            | 100.2 |
| 38       | 5/13/2011 18:45 | 12.93  | 48.17  | 31.37        | 8.82    | 7.80 | 9.9               | 2.59            | 101.6 |
| 39       | 5/13/2011 19:00 | 12.64  | 48.33  | 31.47        | 8.92    | 7.80 | 12.2              | 2.69            | 102.2 |
| 40       | 5/13/2011 19:15 | 12.31  | 48.45  | 31.55        | 8.93    | 7.80 | 12.0              | 2.77            | 101.7 |
| 41       | 5/13/2011 19:30 | 12.13  | 48.67  | 31.70        | 9.07    | 7.81 | 13.9              | 2.88            | 102.9 |
| 42       | 5/13/2011 19:45 | 11.71  | 48.93  | 31.86        | 9.03    | 7.80 | 14.8              | 2.98            | 101.8 |
| 43       | 5/13/2011 20:00 | 10.94  | 49.47  | 32.21        | 8.89    | 7.78 | 12.2              | 3.07            | 98.8  |
| 44       | 5/13/2011 20:15 | 10.60  | 49.67  | 32.34        | 8.79    | 7.78 | 10.5              | 3.15            | 97.0  |
| 45       | 5/13/2011 20:30 | 10.39  | 49.84  | 32.45        | 8.78    | 7.78 | 8.7               | 3.25            | 96.6  |
| 46       | 5/13/2011 20:45 | 10.21  | 49.92  | 32.50        | 8.82    | 7.78 | 6.2               | 3.33            | 96.6  |
| 47       | 5/13/2011 21:00 | 10.03  | 50.07  | 32.60        | 8.69    | 7.77 | 5.2               | 3.40            | 94.9  |
| 48       | 5/13/2011 21:15 | 9.84   | 50.18  | 32.66        | 8.46    | 7.75 | 4.0               | 3.45            | 92.1  |
| 49       | 5/13/2011 21:30 | 9.81   | 50.17  | 32.65        | 8.36    | 7.74 | 2.6               | 3.48            | 90.8  |
| 50       | 5/13/2011 21:45 | 10.28  | 49.95  | 32.52        | 8.55    | 7.77 | 3.4               | 3.49            | 93.8  |
| 51       | 5/13/2011 22:00 | 9.91   | 50.14  | 32.63        | 8.34    | 7.74 | 4.0               | 3.48            | 90.8  |
| 52       | 5/13/2011 22:15 | 9.91   | 50.11  | 32.62        | 8.39    | 7.75 | 4.7               | 3.43            | 91.3  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 53       | 5/13/2011 22:30 | 10.52  | 49.80  | 32.43        | 8.57    | 7.77 | 7.2               | 3.36            | 94.5  |
| 54       | 5/13/2011 22:45 | 10.55  | 49.68  | 32.35        | 8.61    | 7.77 | 6.7               | 3.29            | 94.9  |
| 55       | 5/13/2011 23:00 | 10.48  | 49.84  | 32.46        | 8.60    | 7.77 | 8.4               | 3.17            | 94.7  |
| 56       | 5/13/2011 23:15 | 11.52  | 49.10  | 31.98        | 8.62    | 7.79 | 6.6               | 3.07            | 96.8  |
| 57       | 5/13/2011 23:30 | 11.98  | 48.84  | 31.82        | 8.71    | 7.81 | 10.5              | 2.96            | 98.7  |
| 58       | 5/13/2011 23:45 | 11.83  | 48.94  | 31.88        | 8.69    | 7.80 | 8.3               | 2.84            | 98.2  |
| 59       | 5/14/2011 0:00  | 11.96  | 48.88  | 31.84        | 8.74    | 7.80 | 8.8               | 2.72            | 99.0  |
| 60       | 5/14/2011 0:15  | 12.44  | 48.43  | 31.54        | 8.71    | 7.80 | 10.7              | 2.61            | 99.4  |
| 61       | 5/14/2011 0:30  | 12.84  | 48.15  | 31.35        | 8.63    | 7.80 | 11.7              | 2.50            | 99.3  |
| 62       | 5/14/2011 0:45  | 13.06  | 47.94  | 31.21        | 8.61    | 7.82 | 9.3               | 2.38            | 99.3  |
| 63       | 5/14/2011 1:00  | 12.86  | 47.50  | 30.88        | 8.65    | 7.80 | 9.6               | 2.26            | 99.2  |
| 64       | 5/14/2011 1:15  | 13.02  | 47.99  | 31.24        | 8.69    | 7.82 | 10.2              | 2.14            | 100.2 |
| 65       | 5/14/2011 1:30  | 12.31  | 48.47  | 31.56        | 8.71    | 7.78 | 8.8               | 2.01            | 99.2  |
| 66       | 5/14/2011 1:45  | 13.12  | 47.95  | 31.21        | 8.54    | 7.80 | 10.2              | 1.89            | 98.7  |
| 67       | 5/14/2011 2:00  | 13.26  | 47.81  | 31.12        | 8.59    | 7.82 | 10.7              | 1.76            | 99.5  |
| 68       | 5/14/2011 2:15  | 13.57  | 47.71  | 31.06        | 8.56    | 7.82 | 12.2              | 1.64            | 99.7  |
| 69       | 5/14/2011 2:30  | 13.82  | 47.54  | 30.94        | 8.50    | 7.82 | 12.5              | 1.54            | 99.5  |
| 70       | 5/14/2011 2:45  | 13.86  | 47.48  | 30.90        | 8.52    | 7.82 | 12.2              | 1.43            | 99.7  |
| 71       | 5/14/2011 3:00  | 14.10  | 47.19  | 30.69        | 8.48    | 7.83 | 12.9              | 1.34            | 99.7  |
| 72       | 5/14/2011 3:15  | 14.27  | 47.22  | 30.72        | 8.46    | 7.83 | 13.2              | 1.27            | 99.8  |
| 73       | 5/14/2011 3:30  | 14.37  | 47.20  | 30.71        | 8.46    | 7.83 | 11.7              | 1.21            | 100.0 |
| 74       | 5/14/2011 3:45  | 14.45  | 47.14  | 30.67        | 8.45    | 7.83 | 11.2              | 1.18            | 100.0 |
| 75       | 5/14/2011 4:00  | 14.37  | 46.54  | 30.23        | 8.41    | 7.82 | 10.7              | 1.18            | 99.1  |
| 76       | 5/14/2011 4:15  | 14.33  | 47.15  | 30.67        | 8.40    | 7.82 | 9.9               | 1.20            | 99.1  |
| 77       | 5/14/2011 4:30  | 14.30  | 47.18  | 30.69        | 8.40    | 7.82 | 10.0              | 1.24            | 99.1  |
| 78       | 5/14/2011 4:45  | 14.25  | 47.24  | 30.74        | 8.41    | 7.82 | 10.9              | 1.29            | 99.2  |
| 79       | 5/14/2011 5:00  | 14.30  | 47.17  | 30.69        | 8.45    | 7.82 | 9.6               | 1.36            | 99.7  |
| 80       | 5/14/2011 5:15  | 14.34  | 46.15  | 29.95        | 8.38    | 7.81 | 12.1              | 1.45            | 98.5  |
| 81       | 5/14/2011 5:30  | 14.31  | 46.87  | 30.47        | 8.30    | 7.80 | 11.2              | 1.52            | 97.8  |
| 82       | 5/14/2011 5:45  | 14.29  | 46.16  | 29.96        | 8.26    | 7.80 | 11.7              | 1.60            | 97.1  |
| 83       | 5/14/2011 6:00  | 14.24  | 46.86  | 30.46        | 8.20    | 7.79 | 11.5              | 1.69            | 96.5  |
| 84       | 5/14/2011 6:15  | 14.13  | 47.10  | 30.63        | 8.25    | 7.79 | 11.7              | 1.77            | 97.1  |
| 85       | 5/14/2011 6:30  | 13.80  | 47.16  | 30.67        | 8.29    | 7.79 | 10.5              | 1.85            | 96.9  |
| 86       | 5/14/2011 6:45  | 13.70  | 47.48  | 30.89        | 8.28    | 7.78 | 8.5               | 1.93            | 96.7  |
| 87       | 5/14/2011 7:00  | 13.46  | 47.59  | 30.96        | 8.33    | 7.78 | 9.0               | 2.02            | 96.8  |
| 88       | 5/14/2011 7:15  | 13.17  | 47.53  | 30.91        | 8.40    | 7.76 | 6.8               | 2.12            | 97.0  |
| 89       | 5/14/2011 7:30  | 13.01  | 48.07  | 31.30        | 8.37    | 7.76 | 6.9               | 2.20            | 96.6  |
| 90       | 5/14/2011 7:45  | 12.97  | 47.75  | 31.06        | 8.39    | 7.76 | 7.1               | 2.28            | 96.6  |
| 91       | 5/14/2011 8:00  | 12.83  | 48.10  | 31.31        | 8.39    | 7.76 | 8.0               | 2.36            | 96.4  |
| 92       | 5/14/2011 8:15  | 12.58  | 48.01  | 31.24        | 8.39    | 7.75 | 7.6               | 2.44            | 95.9  |
| 93       | 5/14/2011 8:30  | 12.49  | 48.30  | 31.44        | 8.36    | 7.75 | 7.2               | 2.52            | 95.5  |
| 94       | 5/14/2011 8:45  | 12.18  | 48.14  | 31.32        | 8.40    | 7.74 | 9.0               | 2.58            | 95.3  |
| 95       | 5/14/2011 9:00  | 12.02  | 48.51  | 31.58        | 8.41    | 7.74 | 8.2               | 2.67            | 95.1  |
| 96       | 5/14/2011 9:15  | 11.89  | 48.60  | 31.64        | 8.44    | 7.74 | 7.7               | 2.73            | 95.3  |
| 97       | 5/14/2011 9:30  | 11.58  | 48.85  | 31.80        | 8.45    | 7.73 | 7.0               | 2.79            | 94.9  |
| 98       | 5/14/2011 9:45  | 11.23  | 48.80  | 31.75        | 8.45    | 7.72 | 6.7               | 2.86            | 94.2  |
| 99       | 5/14/2011 10:00 | 10.99  | 49.24  | 32.05        | 8.41    | 7.72 | 6.2               | 2.90            | 93.5  |
| 100      | 5/14/2011 10:15 | 10.81  | 48.89  | 31.79        | 8.42    | 7.71 | 4.8               | 2.95            | 93.0  |
| 101      | 5/14/2011 10:30 | 10.74  | 49.26  | 32.05        | 8.30    | 7.71 | 3.7               | 2.96            | 91.7  |
| 102      | 5/14/2011 10:45 | 10.85  | 49.37  | 32.14        | 8.37    | 7.72 | 4.1               | 2.98            | 92.8  |
| 103      | 5/14/2011 11:00 | 10.70  | 49.32  | 32.10        | 8.39    | 7.71 | 4.5               | 2.95            | 92.7  |
| 104      | 5/14/2011 11:15 | 10.75  | 49.42  | 32.17        | 8.38    | 7.72 | 6.0               | 2.90            | 92.7  |
| 105      | 5/14/2011 11:30 | 11.89  | 48.60  | 31.63        | 8.61    | 7.76 | 7.7               | 2.83            | 97.3  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 106      | 5/14/2011 11:45 | 12.07  | 48.59  | 31.64        | 8.65    | 7.77 | 7.6               | 2.76            | 98.0  |
| 107      | 5/14/2011 12:00 | 12.32  | 48.26  | 31.41        | 8.74    | 7.78 | 9.9               | 2.67            | 99.5  |
| 108      | 5/14/2011 12:15 | 12.39  | 48.30  | 31.44        | 8.64    | 7.77 | 8.4               | 2.57            | 98.5  |
| 109      | 5/14/2011 12:30 | 12.59  | 47.70  | 31.01        | 8.62    | 7.77 | 8.3               | 2.48            | 98.4  |
| 110      | 5/14/2011 12:45 | 12.67  | 47.87  | 31.14        | 8.60    | 7.77 | 7.4               | 2.40            | 98.5  |
| 111      | 5/14/2011 13:00 | 13.08  | 47.90  | 31.18        | 8.61    | 7.78 | 8.2               | 2.30            | 99.5  |
| 112      | 5/14/2011 13:15 | 13.36  | 47.25  | 30.72        | 8.74    | 7.79 | 8.0               | 2.22            | 101.1 |
| 113      | 5/14/2011 13:30 | 13.53  | 47.59  | 30.97        | 8.78    | 7.81 | 6.8               | 2.12            | 102.2 |
| 114      | 5/14/2011 13:45 | 13.76  | 47.40  | 30.84        | 8.92    | 7.83 | 7.8               | 2.04            | 104.3 |
| 115      | 5/14/2011 14:00 | 13.90  | 47.53  | 30.94        | 9.05    | 7.84 | 7.7               | 1.96            | 106.1 |
| 116      | 5/14/2011 14:15 | 14.07  | 47.25  | 30.74        | 9.19    | 7.84 | 7.9               | 1.88            | 108.0 |
| 117      | 5/14/2011 14:30 | 14.28  | 47.28  | 30.77        | 9.24    | 7.85 | 8.5               | 1.80            | 109.1 |
| 118      | 5/14/2011 14:45 | 14.31  | 47.12  | 30.65        | 9.08    | 7.84 | 7.8               | 1.73            | 107.1 |
| 119      | 5/14/2011 15:00 | 14.43  | 47.26  | 30.75        | 9.04    | 7.84 | 8.3               | 1.68            | 107.0 |
| 120      | 5/14/2011 15:15 | 14.49  | 47.38  | 30.84        | 9.18    | 7.86 | 8.0               | 1.63            | 108.9 |
| 121      | 5/14/2011 15:30 | 14.51  | 47.18  | 30.70        | 9.14    | 7.85 | 7.0               | 1.62            | 108.4 |
| 122      | 5/14/2011 15:45 | 14.50  | 47.28  | 30.77        | 9.16    | 7.85 | 6.5               | 1.61            | 108.6 |
| 123      | 5/14/2011 16:00 | 14.33  | 46.79  | 30.41        | 8.95    | 7.83 | 6.0               | 1.61            | 105.5 |
| 124      | 5/14/2011 16:15 | 14.23  | 47.05  | 30.60        | 9.00    | 7.83 | 6.7               | 1.65            | 106.1 |
| 125      | 5/14/2011 16:30 | 14.27  | 47.27  | 30.76        | 9.03    | 7.83 | 7.0               | 1.70            | 106.6 |
| 126      | 5/14/2011 16:45 | 14.22  | 47.20  | 30.70        | 9.04    | 7.83 | 6.8               | 1.76            | 106.5 |
| 127      | 5/14/2011 17:00 | 14.10  | 47.27  | 30.75        | 8.92    | 7.81 | 6.0               | 1.83            | 104.9 |
| 128      | 5/14/2011 17:15 | 14.33  | 46.96  | 30.54        | 9.06    | 7.82 | 7.1               | 1.92            | 106.9 |
| 129      | 5/14/2011 17:30 | 14.07  | 47.22  | 30.72        | 9.00    | 7.82 | 7.4               | 2.01            | 105.7 |
| 130      | 5/14/2011 17:45 | 13.82  | 47.49  | 30.91        | 8.91    | 7.80 | 6.7               | 2.08            | 104.2 |
| 131      | 5/14/2011 18:00 | 13.53  | 47.34  | 30.79        | 8.90    | 7.80 | 6.3               | 2.17            | 103.5 |
| 132      | 5/14/2011 18:15 | 13.29  | 47.64  | 31.00        | 8.87    | 7.78 | 7.8               | 2.27            | 102.7 |
| 133      | 5/14/2011 18:30 | 13.05  | 47.98  | 31.23        | 8.94    | 7.78 | 7.8               | 2.35            | 103.2 |
| 134      | 5/14/2011 18:45 | 12.74  | 47.94  | 31.19        | 8.89    | 7.77 | 7.2               | 2.43            | 102.0 |
| 135      | 5/14/2011 19:00 | 12.56  | 48.02  | 31.25        | 8.83    | 7.76 | 7.5               | 2.52            | 100.9 |
| 136      | 5/14/2011 19:15 | 12.39  | 48.09  | 31.29        | 9.15    | 7.78 | 9.2               | 2.61            | 104.2 |
| 137      | 5/14/2011 19:30 | 12.11  | 48.43  | 31.52        | 9.54    | 7.80 | 10.4              | 2.72            | 108.2 |
| 138      | 5/14/2011 19:45 | 11.72  | 48.79  | 31.77        | 9.80    | 7.81 | 11.5              | 2.82            | 110.4 |
| 139      | 5/14/2011 20:00 | 11.47  | 48.25  | 31.36        | 10.06   | 7.82 | 9.8               | 2.92            | 112.4 |
| 140      | 5/14/2011 20:15 | 11.11  | 49.05  | 31.92        | 10.09   | 7.82 | 9.0               | 3.02            | 112.3 |
| 141      | 5/14/2011 20:30 | 10.61  | 49.54  | 32.25        | 10.10   | 7.81 | 8.3               | 3.14            | 111.5 |
| 142      | 5/14/2011 20:45 | 10.21  | 50.03  | 32.58        | 10.20   | 7.82 | 7.8               | 3.24            | 111.8 |
| 143      | 5/14/2011 21:00 | 10.06  | 49.86  | 32.45        | 10.51   | 7.84 | 8.3               | 3.33            | 114.7 |
| 144      | 5/14/2011 21:15 | 9.96   | 49.80  | 32.40        | 10.49   | 7.84 | 5.7               | 3.43            | 114.2 |
| 145      | 5/14/2011 21:30 | 9.85   | 49.97  | 32.51        | 10.18   | 7.82 | 5.9               | 3.51            | 110.7 |
| 146      | 5/14/2011 21:45 | 9.75   | 50.00  | 32.52        | 10.03   | 7.81 | 4.0               | 3.58            | 108.8 |
| 147      | 5/14/2011 22:00 | 9.67   | 49.90  | 32.45        | 9.86    | 7.80 | 3.1               | 3.62            | 106.7 |
| 148      | 5/14/2011 22:15 | 9.68   | 50.01  | 32.53        | 9.69    | 7.79 | 2.1               | 3.65            | 105.0 |
| 149      | 5/14/2011 22:30 | 10.01  | 49.92  | 32.48        | 9.96    | 7.81 | 4.8               | 3.67            | 108.7 |
| 150      | 5/14/2011 22:45 | 9.91   | 49.72  | 32.33        | 9.77    | 7.80 | 4.1               | 3.64            | 106.2 |
| 151      | 5/14/2011 23:00 | 9.78   | 49.73  | 32.33        | 9.69    | 7.79 | 4.0               | 3.59            | 105.1 |
| 152      | 5/14/2011 23:15 | 10.14  | 49.75  | 32.37        | 9.68    | 7.79 | 5.2               | 3.52            | 105.8 |
| 153      | 5/14/2011 23:30 | 10.15  | 50.02  | 32.56        | 9.60    | 7.79 | 6.0               | 3.42            | 105.0 |
| 154      | 5/14/2011 23:45 | 10.35  | 49.44  | 32.16        | 9.48    | 7.80 | 4.8               | 3.31            | 104.0 |
| 155      | 5/15/2011 0:00  | 10.70  | 49.26  | 32.05        | 9.49    | 7.79 | 6.2               | 3.20            | 104.8 |
| 156      | 5/15/2011 0:15  | 11.17  | 49.14  | 31.99        | 9.54    | 7.80 | 6.4               | 3.06            | 106.4 |
| 157      | 5/15/2011 0:30  | 11.39  | 48.82  | 31.77        | 9.52    | 7.81 | 7.1               | 2.94            | 106.5 |
| 158      | 5/15/2011 0:45  | 11.91  | 48.46  | 31.54        | 9.31    | 7.80 | 8.1               | 2.81            | 105.1 |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 159      | 5/15/2011 1:00  | 11.93  | 48.46  | 31.53        | 9.30    | 7.80 | 8.1               | 2.68            | 105.1 |
| 160      | 5/15/2011 1:15  | 11.97  | 48.56  | 31.61        | 9.32    | 7.80 | 7.2               | 2.55            | 105.4 |
| 161      | 5/15/2011 1:30  | 12.02  | 48.40  | 31.50        | 9.26    | 7.80 | 7.1               | 2.41            | 104.8 |
| 162      | 5/15/2011 1:45  | 12.43  | 47.81  | 31.09        | 9.12    | 7.80 | 7.9               | 2.28            | 103.9 |
| 163      | 5/15/2011 2:00  | 12.44  | 48.10  | 31.29        | 9.07    | 7.80 | 8.4               | 2.14            | 103.4 |
| 164      | 5/15/2011 2:15  | 12.79  | 47.95  | 31.20        | 9.00    | 7.80 | 9.5               | 1.99            | 103.3 |
| 165      | 5/15/2011 2:30  | 13.38  | 47.53  | 30.92        | 8.85    | 7.81 | 13.8              | 1.87            | 102.6 |
| 166      | 5/15/2011 2:45  | 13.13  | 47.92  | 31.19        | 8.85    | 7.79 | 11.5              | 1.72            | 102.3 |
| 167      | 5/15/2011 3:00  | 13.49  | 47.53  | 30.93        | 8.72    | 7.81 | 12.6              | 1.58            | 101.4 |
| 168      | 5/15/2011 3:15  | 13.36  | 47.61  | 30.97        | 8.73    | 7.79 | 11.8              | 1.44            | 101.3 |
| 169      | 5/15/2011 3:30  | 13.44  | 47.34  | 30.79        | 8.69    | 7.80 | 11.8              | 1.30            | 100.9 |
| 170      | 5/15/2011 3:45  | 13.68  | 47.00  | 30.54        | 8.68    | 7.80 | 11.9              | 1.18            | 101.0 |
| 171      | 5/15/2011 4:00  | 14.03  | 47.21  | 30.71        | 8.61    | 7.81 | 12.3              | 1.09            | 101.1 |
| 172      | 5/15/2011 4:15  | 14.22  | 46.85  | 30.45        | 8.56    | 7.81 | 12.4              | 1.00            | 100.8 |
| 173      | 5/15/2011 4:30  | 14.31  | 47.03  | 30.59        | 8.50    | 7.80 | 12.3              | 0.94            | 100.3 |
| 174      | 5/15/2011 4:45  | 14.33  | 46.70  | 30.35        | 8.49    | 7.80 | 10.7              | 0.93            | 100.0 |
| 175      | 5/15/2011 5:00  | 14.17  | 46.98  | 30.54        | 8.45    | 7.79 | 10.7              | 0.94            | 99.4  |
| 176      | 5/15/2011 5:15  | 14.10  | 46.83  | 30.43        | 8.47    | 7.79 | 10.3              | 0.97            | 99.4  |
| 177      | 5/15/2011 5:30  | 14.05  | 47.12  | 30.65        | 8.52    | 7.79 | 9.2               | 1.06            | 100.0 |
| 178      | 5/15/2011 5:45  | 13.98  | 47.20  | 30.70        | 8.53    | 7.79 | 8.7               | 1.13            | 100.0 |
| 179      | 5/15/2011 6:00  | 13.98  | 46.87  | 30.46        | 8.42    | 7.78 | 9.6               | 1.23            | 98.5  |
| 180      | 5/15/2011 6:15  | 14.00  | 46.80  | 30.41        | 8.34    | 7.77 | 9.0               | 1.31            | 97.6  |
| 181      | 5/15/2011 6:30  | 13.99  | 46.67  | 30.32        | 8.29    | 7.76 | 9.0               | 1.41            | 97.0  |
| 182      | 5/15/2011 6:45  | 13.91  | 46.71  | 30.34        | 8.29    | 7.76 | 9.5               | 1.50            | 96.8  |
| 183      | 5/15/2011 7:00  | 13.86  | 46.63  | 30.28        | 8.35    | 7.77 | 9.0               | 1.59            | 97.4  |
| 184      | 5/15/2011 7:15  | 13.64  | 47.20  | 30.69        | 8.40    | 7.75 | 8.1               | 1.68            | 97.8  |
| 185      | 5/15/2011 7:30  | 13.40  | 47.39  | 30.82        | 8.45    | 7.75 | 7.8               | 1.78            | 98.0  |
| 186      | 5/15/2011 7:45  | 13.06  | 48.06  | 31.29        | 8.52    | 7.75 | 7.9               | 1.89            | 98.4  |
| 187      | 5/15/2011 8:00  | 12.98  | 48.10  | 31.32        | 8.56    | 7.75 | 7.1               | 1.97            | 98.7  |
| 188      | 5/15/2011 8:15  | 12.89  | 48.01  | 31.25        | 8.58    | 7.75 | 6.7               | 2.08            | 98.8  |
| 189      | 5/15/2011 8:30  | 12.78  | 48.04  | 31.27        | 8.64    | 7.75 | 8.7               | 2.18            | 99.2  |
| 190      | 5/15/2011 8:45  | 12.60  | 48.25  | 31.41        | 8.64    | 7.75 | 8.7               | 2.27            | 98.9  |
| 191      | 5/15/2011 9:00  | 12.44  | 48.45  | 31.55        | 8.70    | 7.75 | 7.9               | 2.36            | 99.3  |
| 192      | 5/15/2011 9:15  | 12.31  | 47.87  | 31.12        | 8.77    | 7.75 | 9.5               | 2.45            | 99.6  |
| 193      | 5/15/2011 9:30  | 12.00  | 48.53  | 31.59        | 8.85    | 7.75 | 10.3              | 2.55            | 100.2 |
| 194      | 5/15/2011 9:45  | 11.86  | 48.72  | 31.72        | 8.90    | 7.75 | 13.9              | 2.63            | 100.5 |
| 195      | 5/15/2011 10:00 | 11.47  | 48.76  | 31.73        | 9.01    | 7.75 | 10.7              | 2.71            | 100.9 |
| 196      | 5/15/2011 10:15 | 11.15  | 48.97  | 31.87        | 9.08    | 7.75 | 10.0              | 2.80            | 101.1 |
| 197      | 5/15/2011 10:30 | 10.88  | 49.19  | 32.01        | 9.16    | 7.75 | 9.1               | 2.88            | 101.5 |
| 198      | 5/15/2011 10:45 | 10.74  | 49.56  | 32.27        | 9.15    | 7.75 | 8.0               | 2.94            | 101.2 |
| 199      | 5/15/2011 11:00 | 10.66  | 49.12  | 31.95        | 9.15    | 7.75 | 7.8               | 2.99            | 100.9 |
| 200      | 5/15/2011 11:15 | 10.50  | 49.45  | 32.17        | 9.07    | 7.75 | 6.8               | 3.04            | 99.7  |
| 201      | 5/15/2011 11:30 | 10.41  | 49.35  | 32.10        | 8.94    | 7.74 | 3.7               | 3.06            | 98.1  |
| 202      | 5/15/2011 11:45 | 10.57  | 49.07  | 31.90        | 9.03    | 7.75 | 4.9               | 3.07            | 99.3  |
| 203      | 5/15/2011 12:00 | 10.54  | 49.43  | 32.16        | 8.95    | 7.74 | 6.6               | 3.04            | 98.5  |
| 204      | 5/15/2011 12:15 | 10.63  | 49.46  | 32.19        | 8.92    | 7.75 | 4.4               | 3.00            | 98.4  |
| 205      | 5/15/2011 12:30 | 12.01  | 48.21  | 31.36        | 9.52    | 7.82 | 7.3               | 2.94            | 107.6 |
| 206      | 5/15/2011 12:45 | 12.26  | 48.34  | 31.46        | 9.39    | 7.81 | 6.8               | 2.85            | 106.8 |
| 207      | 5/15/2011 13:00 | 11.91  | 48.41  | 31.50        | 9.37    | 7.80 | 8.2               | 2.76            | 105.8 |
| 208      | 5/15/2011 13:15 | 11.93  | 48.23  | 31.37        | 9.49    | 7.80 | 8.9               | 2.68            | 107.1 |
| 209      | 5/15/2011 13:30 | 12.04  | 48.20  | 31.35        | 9.48    | 7.80 | 7.3               | 2.59            | 107.2 |
| 210      | 5/15/2011 13:45 | 12.24  | 48.37  | 31.49        | 9.39    | 7.80 | 8.1               | 2.48            | 106.7 |
| 211      | 5/15/2011 14:00 | 12.41  | 47.94  | 31.18        | 9.33    | 7.80 | 8.3               | 2.40            | 106.2 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 212      | 5/15/2011 14:15 | 12.72  | 47.74  | 31.05        | 9.29    | 7.80 | 8.1        | 2.33   | 106.3 |
| 213      | 5/15/2011 14:30 | 12.90  | 47.69  | 31.02        | 9.53    | 7.82 | 8.7        | 2.23   | 109.6 |
| 214      | 5/15/2011 14:45 | 12.96  | 47.77  | 31.08        | 9.73    | 7.85 | 10.1       | 2.15   | 112.0 |
| 215      | 5/15/2011 15:00 | 13.09  | 47.83  | 31.12        | 9.87    | 7.86 | 8.8        | 2.07   | 114.0 |
| 216      | 5/15/2011 15:15 | 13.19  | 47.34  | 30.77        | 9.76    | 7.85 | 9.4        | 1.99   | 112.7 |
| 217      | 5/15/2011 15:30 | 13.31  | 47.38  | 30.81        | 9.69    | 7.84 | 9.2        | 1.92   | 112.1 |
| 218      | 5/15/2011 15:45 | 13.35  | 47.85  | 31.15        | 9.76    | 7.85 | 9.3        | 1.85   | 113.2 |
| 219      | 5/15/2011 16:00 | 13.40  | 47.18  | 30.67        | 9.74    | 7.85 | 8.8        | 1.80   | 112.9 |
| 220      | 5/15/2011 16:15 | 13.50  | 47.08  | 30.60        | 9.42    | 7.82 | 9.0        | 1.77   | 109.3 |
| 221      | 5/15/2011 16:30 | 13.54  | 47.18  | 30.67        | 9.28    | 7.81 | 8.2        | 1.75   | 107.8 |
| 222      | 5/15/2011 16:45 | 13.54  | 47.05  | 30.58        | 9.12    | 7.82 | 7.3        | 1.74   | 106.0 |
| 223      | 5/15/2011 17:00 | 13.37  | 47.33  | 30.77        | 9.27    | 7.81 | 7.1        | 1.76   | 107.5 |
| 224      | 5/15/2011 17:15 | 13.33  | 47.43  | 30.85        | 9.38    | 7.82 | 6.5        | 1.81   | 108.7 |
| 225      | 5/15/2011 17:30 | 13.28  | 46.94  | 30.49        | 9.40    | 7.81 | 7.3        | 1.85   | 108.5 |
| 226      | 5/15/2011 17:45 | 13.12  | 47.26  | 30.72        | 9.28    | 7.80 | 7.4        | 1.92   | 106.9 |
| 227      | 5/15/2011 18:00 | 13.19  | 47.12  | 30.62        | 9.49    | 7.81 | 7.3        | 2.01   | 109.4 |
| 228      | 5/15/2011 18:15 | 13.10  | 46.99  | 30.52        | 9.41    | 7.81 | 6.6        | 2.10   | 108.2 |
| 229      | 5/15/2011 18:30 | 12.91  | 47.58  | 30.94        | 9.46    | 7.81 | 6.8        | 2.18   | 108.7 |
| 230      | 5/15/2011 18:45 | 12.72  | 47.72  | 31.04        | 9.46    | 7.80 | 6.2        | 2.27   | 108.3 |
| 231      | 5/15/2011 19:00 | 12.37  | 48.17  | 31.34        | 9.51    | 7.80 | 6.0        | 2.36   | 108.3 |
| 232      | 5/15/2011 19:15 | 12.27  | 48.08  | 31.28        | 9.47    | 7.80 | 7.6        | 2.45   | 107.6 |
| 233      | 5/15/2011 19:30 | 12.11  | 48.05  | 31.25        | 9.36    | 7.79 | 6.1        | 2.53   | 106.0 |
| 234      | 5/15/2011 19:45 | 12.05  | 48.14  | 31.31        | 9.31    | 7.78 | 7.7        | 2.63   | 105.3 |
| 235      | 5/15/2011 20:00 | 11.74  | 48.31  | 31.42        | 9.38    | 7.78 | 7.4        | 2.73   | 105.4 |
| 236      | 5/15/2011 20:15 | 11.39  | 49.09  | 31.96        | 9.43    | 7.80 | 38.8       | 2.83   | 105.6 |
| 237      | 5/15/2011 20:30 | 11.01  | 48.75  | 31.70        | 9.67    | 7.80 | 9.2        | 2.93   | 107.3 |
| 238      | 5/15/2011 20:45 | 10.81  | 48.76  | 31.69        | 9.69    | 7.79 | 9.4        | 3.04   | 106.9 |
| 239      | 5/15/2011 21:00 | 10.51  | 49.22  | 32.01        | 9.58    | 7.79 | 8.7        | 3.15   | 105.3 |
| 240      | 5/15/2011 21:15 | 10.22  | 49.30  | 32.05        | 9.50    | 7.78 | 7.3        | 3.26   | 103.8 |
| 241      | 5/15/2011 21:30 | 9.88   | 49.29  | 32.02        | 9.35    | 7.77 | 6.7        | 3.37   | 101.4 |
| 242      | 5/15/2011 21:45 | 9.68   | 50.16  | 32.63        | 9.24    | 7.77 | 6.7        | 3.46   | 100.1 |
| 243      | 5/15/2011 22:00 | 9.54   | 49.72  | 32.30        | 9.14    | 7.77 | 5.2        | 3.55   | 98.5  |
| 244      | 5/15/2011 22:15 | 9.45   | 49.79  | 32.35        | 9.07    | 7.76 | 4.0        | 3.64   | 97.7  |
| 245      | 5/15/2011 22:30 | 9.38   | 49.69  | 32.28        | 9.06    | 7.76 | 4.5        | 3.69   | 97.4  |
| 246      | 5/15/2011 22:45 | 9.32   | 49.86  | 32.39        | 9.02    | 7.76 | 3.1        | 3.74   | 96.9  |
| 247      | 5/15/2011 23:00 | 9.36   | 49.72  | 32.29        | 8.94    | 7.75 | 2.8        | 3.77   | 96.0  |
| 248      | 5/15/2011 23:15 | 9.89   | 49.40  | 32.10        | 9.11    | 7.78 | 4.4        | 3.77   | 98.9  |
| 249      | 5/15/2011 23:30 | 9.79   | 49.67  | 32.29        | 8.91    | 7.75 | 4.3        | 3.75   | 96.6  |
| 250      | 5/15/2011 23:45 | 9.50   | 49.60  | 32.22        | 9.00    | 7.76 | 4.3        | 3.70   | 96.9  |
| 251      | 5/16/2011 0:00  | 10.07  | 49.57  | 32.24        | 9.05    | 7.76 | 6.2        | 3.63   | 98.7  |
| 252      | 5/16/2011 0:15  | 10.21  | 49.31  | 32.06        | 9.07    | 7.76 | 6.0        | 3.54   | 99.1  |
| 253      | 5/16/2011 0:30  | 10.21  | 49.39  | 32.12        | 9.01    | 7.76 | 5.2        | 3.42   | 98.5  |
| 254      | 5/16/2011 0:45  | 10.57  | 49.32  | 32.09        | 9.05    | 7.77 | 7.8        | 3.30   | 99.7  |
| 255      | 5/16/2011 1:00  | 10.58  | 48.89  | 31.78        | 9.27    | 7.78 | 7.3        | 3.17   | 101.9 |
| 256      | 5/16/2011 1:15  | 10.80  | 49.03  | 31.89        | 9.27    | 7.78 | 6.7        | 3.03   | 102.5 |
| 257      | 5/16/2011 1:30  | 11.18  | 48.43  | 31.48        | 9.22    | 7.79 | 8.3        | 2.89   | 102.5 |
| 258      | 5/16/2011 1:45  | 11.26  | 48.59  | 31.60        | 9.20    | 7.79 | 8.3        | 2.76   | 102.6 |
| 259      | 5/16/2011 2:00  | 11.22  | 48.51  | 31.53        | 9.15    | 7.78 | 7.9        | 2.60   | 101.8 |
| 260      | 5/16/2011 2:15  | 11.37  | 48.36  | 31.44        | 9.07    | 7.78 | 8.5        | 2.46   | 101.2 |
| 261      | 5/16/2011 2:30  | 11.81  | 48.15  | 31.31        | 9.08    | 7.79 | 12.5       | 2.31   | 102.1 |
| 262      | 5/16/2011 2:45  | 11.72  | 47.89  | 31.12        | 9.06    | 7.78 | 9.4        | 2.17   | 101.6 |
| 263      | 5/16/2011 3:00  | 11.72  | 47.94  | 31.15        | 9.03    | 7.79 | 10.6       | 2.01   | 101.3 |
| 264      | 5/16/2011 3:15  | 11.98  | 47.88  | 31.12        | 8.93    | 7.78 | 13.2       | 1.85   | 100.8 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 265      | 5/16/2011 3:30  | 12.26  | 47.78  | 31.06        | 8.86    | 7.78 | 15.0              | 1.69            | 100.5 |
| 266      | 5/16/2011 3:45  | 12.11  | 47.63  | 30.94        | 8.83    | 7.77 | 12.9              | 1.54            | 99.8  |
| 267      | 5/16/2011 4:00  | 12.38  | 47.46  | 30.83        | 8.77    | 7.77 | 14.9              | 1.37            | 99.5  |
| 268      | 5/16/2011 4:15  | 12.38  | 47.66  | 30.97        | 8.74    | 7.77 | 13.8              | 1.22            | 99.3  |
| 269      | 5/16/2011 4:30  | 12.63  | 47.32  | 30.74        | 8.68    | 7.77 | 14.1              | 1.07            | 99.0  |
| 270      | 5/16/2011 4:45  | 12.74  | 47.12  | 30.60        | 8.61    | 7.76 | 15.6              | 0.94            | 98.3  |
| 271      | 5/16/2011 5:00  | 12.87  | 47.07  | 30.57        | 8.52    | 7.76 | 15.5              | 0.83            | 97.6  |
| 272      | 5/16/2011 5:15  | 12.87  | 47.04  | 30.55        | 8.50    | 7.76 | 15.0              | 0.74            | 97.3  |
| 273      | 5/16/2011 5:30  | 12.82  | 46.89  | 30.44        | 8.44    | 7.75 | 14.6              | 0.71            | 96.5  |
| 274      | 5/16/2011 5:45  | 12.78  | 47.10  | 30.59        | 8.46    | 7.75 | 12.7              | 0.73            | 96.8  |
| 275      | 5/16/2011 6:00  | 12.78  | 47.08  | 30.57        | 8.49    | 7.75 | 10.9              | 0.80            | 97.0  |
| 276      | 5/16/2011 6:15  | 12.75  | 47.23  | 30.68        | 8.49    | 7.75 | 10.7              | 0.89            | 97.0  |
| 277      | 5/16/2011 6:30  | 12.77  | 46.99  | 30.51        | 8.52    | 7.76 | 10.1              | 0.97            | 97.4  |
| 278      | 5/16/2011 6:45  | 12.70  | 46.48  | 30.14        | 8.50    | 7.74 | 10.3              | 1.06            | 96.8  |
| 279      | 5/16/2011 7:00  | 12.71  | 46.85  | 30.40        | 8.43    | 7.74 | 10.0              | 1.15            | 96.2  |
| 280      | 5/16/2011 7:15  | 12.71  | 47.09  | 30.58        | 8.40    | 7.74 | 11.5              | 1.23            | 95.9  |
| 281      | 5/16/2011 7:30  | 12.69  | 46.78  | 30.35        | 8.39    | 7.73 | 10.8              | 1.31            | 95.6  |
| 282      | 5/16/2011 7:45  | 12.65  | 47.34  | 30.76        | 8.35    | 7.73 | 11.6              | 1.40            | 95.3  |
| 283      | 5/16/2011 8:00  | 12.63  | 47.21  | 30.66        | 8.40    | 7.74 | 10.6              | 1.49            | 95.7  |
| 284      | 5/16/2011 8:15  | 12.56  | 47.26  | 30.70        | 8.45    | 7.74 | 9.9               | 1.58            | 96.2  |
| 285      | 5/16/2011 8:30  | 12.41  | 47.30  | 30.72        | 8.51    | 7.74 | 9.3               | 1.70            | 96.6  |
| 286      | 5/16/2011 8:45  | 12.32  | 47.36  | 30.76        | 8.58    | 7.74 | 9.8               | 1.80            | 97.3  |
| 287      | 5/16/2011 9:00  | 12.29  | 47.63  | 30.95        | 8.63    | 7.75 | 7.7               | 1.92            | 97.8  |
| 288      | 5/16/2011 9:15  | 12.21  | 47.82  | 31.09        | 8.66    | 7.75 | 10.1              | 2.04            | 98.1  |
| 289      | 5/16/2011 9:30  | 12.13  | 48.10  | 31.28        | 8.69    | 7.75 | 10.1              | 2.14            | 98.5  |
| 290      | 5/16/2011 9:45  | 12.02  | 48.04  | 31.23        | 8.76    | 7.75 | 10.3              | 2.25            | 98.9  |
| 291      | 5/16/2011 10:00 | 11.91  | 47.83  | 31.08        | 8.80    | 7.75 | 9.9               | 2.35            | 99.1  |
| 292      | 5/16/2011 10:15 | 11.74  | 48.31  | 31.42        | 8.86    | 7.76 | 12.0              | 2.45            | 99.6  |
| 293      | 5/16/2011 10:30 | 11.55  | 48.11  | 31.26        | 8.95    | 7.76 | 14.7              | 2.54            | 100.1 |
| 294      | 5/16/2011 10:45 | 11.32  | 48.67  | 31.65        | 8.96    | 7.76 | 13.1              | 2.63            | 100.0 |
| 295      | 5/16/2011 11:00 | 10.73  | 48.96  | 31.83        | 9.00    | 7.75 | 13.7              | 2.72            | 99.2  |
| 296      | 5/16/2011 11:15 | 10.49  | 49.47  | 32.19        | 9.03    | 7.75 | 11.6              | 2.80            | 99.3  |
| 297      | 5/16/2011 11:30 | 10.45  | 49.28  | 32.05        | 9.04    | 7.76 | 10.9              | 2.88            | 99.2  |
| 298      | 5/16/2011 11:45 | 10.43  | 48.96  | 31.81        | 9.08    | 7.76 | 9.4               | 2.95            | 99.5  |
| 299      | 5/16/2011 12:00 | 10.39  | 49.11  | 31.92        | 9.08    | 7.76 | 7.1               | 3.02            | 99.5  |
| 300      | 5/16/2011 12:15 | 10.34  | 49.20  | 31.99        | 9.18    | 7.78 | 5.7               | 3.07            | 100.5 |
| 301      | 5/16/2011 12:30 | 10.25  | 49.21  | 31.99        | 9.22    | 7.76 | 5.6               | 3.09            | 100.8 |
| 302      | 5/16/2011 12:45 | 10.32  | 49.00  | 31.84        | 9.26    | 7.77 | 4.5               | 3.10            | 101.2 |
| 303      | 5/16/2011 13:00 | 10.51  | 49.02  | 31.86        | 9.14    | 7.76 | 6.2               | 3.08            | 100.3 |
| 304      | 5/16/2011 13:15 | 10.25  | 48.96  | 31.80        | 9.40    | 7.77 | 6.1               | 3.05            | 102.6 |
| 305      | 5/16/2011 13:30 | 10.31  | 49.09  | 31.91        | 9.29    | 7.77 | 6.6               | 2.99            | 101.6 |
| 306      | 5/16/2011 13:45 | 10.95  | 48.90  | 31.81        | 9.51    | 7.80 | 9.5               | 2.90            | 105.4 |
| 307      | 5/16/2011 14:00 | 11.15  | 49.17  | 32.01        | 9.92    | 7.83 | 9.5               | 2.81            | 110.6 |
| 308      | 5/16/2011 14:15 | 11.37  | 48.49  | 31.53        | 10.02   | 7.84 | 8.9               | 2.72            | 111.8 |
| 309      | 5/16/2011 14:30 | 11.48  | 48.40  | 31.47        | 9.72    | 7.82 | 11.1              | 2.62            | 108.8 |
| 310      | 5/16/2011 14:45 | 11.75  | 48.49  | 31.55        | 9.75    | 7.83 | 9.5               | 2.53            | 109.7 |
| 311      | 5/16/2011 15:00 | 12.06  | 48.04  | 31.23        | 9.87    | 7.84 | 8.4               | 2.44            | 111.6 |
| 312      | 5/16/2011 15:15 | 12.11  | 48.32  | 31.44        | 9.79    | 7.84 | 8.3               | 2.35            | 111.0 |
| 313      | 5/16/2011 15:30 | 12.45  | 47.99  | 31.22        | 9.91    | 7.84 | 8.5               | 2.27            | 112.9 |
| 314      | 5/16/2011 15:45 | 12.57  | 47.75  | 31.05        | 10.12   | 7.86 | 9.1               | 2.19            | 115.6 |
| 315      | 5/16/2011 16:00 | 12.69  | 47.64  | 30.98        | 9.94    | 7.86 | 8.3               | 2.12            | 113.7 |
| 316      | 5/16/2011 16:15 | 12.69  | 47.49  | 30.87        | 10.05   | 7.87 | 8.5               | 2.04            | 114.8 |
| 317      | 5/16/2011 16:30 | 12.74  | 47.44  | 30.83        | 10.01   | 7.87 | 8.5               | 1.97            | 114.5 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 318      | 5/16/2011 16:45 | 12.88  | 47.39  | 30.80        | 9.89    | 7.85 | 9.4               | 1.91            | 113.5 |
| 319      | 5/16/2011 17:00 | 13.05  | 47.72  | 31.05        | 9.64    | 7.84 | 9.5               | 1.87            | 111.1 |
| 320      | 5/16/2011 17:15 | 13.07  | 47.04  | 30.56        | 9.58    | 7.83 | 9.1               | 1.85            | 110.2 |
| 321      | 5/16/2011 17:30 | 13.14  | 46.96  | 30.50        | 9.51    | 7.82 | 7.8               | 1.83            | 109.5 |
| 322      | 5/16/2011 17:45 | 13.10  | 47.15  | 30.63        | 9.58    | 7.83 | 8.3               | 1.85            | 110.2 |
| 323      | 5/16/2011 18:00 | 13.01  | 47.24  | 30.70        | 9.61    | 7.83 | 7.3               | 1.87            | 110.4 |
| 324      | 5/16/2011 18:15 | 12.98  | 47.74  | 31.06        | 9.59    | 7.83 | 7.8               | 1.92            | 110.4 |
| 325      | 5/16/2011 18:30 | 12.99  | 47.30  | 30.74        | 9.58    | 7.82 | 7.6               | 1.98            | 110.1 |
| 326      | 5/16/2011 18:45 | 12.86  | 47.41  | 30.82        | 9.46    | 7.81 | 7.9               | 2.05            | 108.5 |
| 327      | 5/16/2011 19:00 | 13.03  | 47.81  | 31.11        | 9.57    | 7.82 | 7.9               | 2.14            | 110.3 |
| 328      | 5/16/2011 19:15 | 12.85  | 47.94  | 31.20        | 9.63    | 7.82 | 8.2               | 2.22            | 110.7 |
| 329      | 5/16/2011 19:30 | 12.59  | 47.78  | 31.07        | 9.63    | 7.82 | 8.4               | 2.31            | 110.0 |
| 330      | 5/16/2011 19:45 | 12.21  | 48.12  | 31.30        | 9.62    | 7.81 | 8.1               | 2.40            | 109.2 |
| 331      | 5/16/2011 20:00 | 11.74  | 48.39  | 31.48        | 9.54    | 7.80 | 7.6               | 2.49            | 107.3 |
| 332      | 5/16/2011 20:15 | 11.57  | 48.38  | 31.46        | 9.51    | 7.79 | 7.2               | 2.59            | 106.6 |
| 333      | 5/16/2011 20:30 | 11.48  | 48.48  | 31.53        | 9.53    | 7.79 | 7.3               | 2.69            | 106.6 |
| 334      | 5/16/2011 20:45 | 11.30  | 48.60  | 31.60        | 9.64    | 7.80 | 8.3               | 2.78            | 107.5 |
| 335      | 5/16/2011 21:00 | 11.02  | 48.90  | 31.81        | 9.76    | 7.80 | 8.6               | 2.89            | 108.4 |
| 336      | 5/16/2011 21:15 | 10.74  | 48.55  | 31.54        | 9.94    | 7.82 | 10.0              | 3.00            | 109.4 |
| 337      | 5/16/2011 21:30 | 10.46  | 48.81  | 31.71        | 10.10   | 7.83 | 10.2              | 3.11            | 110.7 |
| 338      | 5/16/2011 21:45 | 10.14  | 48.59  | 31.54        | 10.29   | 7.84 | 8.9               | 3.23            | 111.9 |
| 339      | 5/16/2011 22:00 | 9.97   | 48.95  | 31.78        | 10.45   | 7.85 | 7.3               | 3.34            | 113.3 |
| 340      | 5/16/2011 22:15 | 9.91   | 48.72  | 31.61        | 10.63   | 7.86 | 8.5               | 3.44            | 115.0 |
| 341      | 5/16/2011 22:30 | 9.85   | 49.17  | 31.93        | 10.70   | 7.87 | 5.6               | 3.55            | 115.9 |
| 342      | 5/16/2011 22:45 | 9.81   | 48.65  | 31.56        | 10.74   | 7.87 | 4.5               | 3.63            | 115.9 |
| 343      | 5/16/2011 23:00 | 9.79   | 49.46  | 32.14        | 10.63   | 7.87 | 4.8               | 3.71            | 115.1 |
| 344      | 5/16/2011 23:15 | 9.79   | 49.26  | 31.99        | 10.56   | 7.87 | 3.7               | 3.77            | 114.2 |
| 345      | 5/16/2011 23:30 | 9.74   | 49.18  | 31.93        | 10.50   | 7.86 | 2.9               | 3.82            | 113.4 |
| 346      | 5/16/2011 23:45 | 9.73   | 48.91  | 31.74        | 10.38   | 7.85 | 1.9               | 3.85            | 112.0 |
| 347      | 5/17/2011 0:00  | 9.97   | 48.69  | 31.59        | 10.26   | 7.85 | 5.4               | 3.86            | 111.2 |
| 348      | 5/17/2011 0:15  | 9.91   | 49.39  | 32.10        | 10.29   | 7.85 | 6.8               | 3.83            | 111.7 |
| 349      | 5/17/2011 0:30  | 9.97   | 48.85  | 31.71        | 10.26   | 7.85 | 4.7               | 3.77            | 111.2 |
| 350      | 5/17/2011 0:45  | 10.04  | 49.34  | 32.07        | 10.17   | 7.84 | 5.6               | 3.70            | 110.7 |
| 351      | 5/17/2011 1:00  | 9.79   | 48.95  | 31.77        | 10.38   | 7.85 | 5.9               | 3.59            | 112.2 |
| 352      | 5/17/2011 1:15  | 9.89   | 48.63  | 31.55        | 10.32   | 7.85 | 5.8               | 3.47            | 111.6 |
| 353      | 5/17/2011 1:30  | 10.04  | 48.93  | 31.77        | 10.20   | 7.85 | 5.8               | 3.35            | 110.8 |
| 354      | 5/17/2011 1:45  | 10.38  | 48.76  | 31.67        | 10.09   | 7.85 | 11.2              | 3.21            | 110.3 |
| 355      | 5/17/2011 2:00  | 10.51  | 48.52  | 31.51        | 9.98    | 7.84 | 9.3               | 3.07            | 109.4 |
| 356      | 5/17/2011 2:15  | 11.13  | 48.37  | 31.43        | 9.62    | 7.81 | 8.4               | 2.94            | 106.7 |
| 357      | 5/17/2011 2:30  | 11.21  | 48.09  | 31.23        | 9.60    | 7.81 | 8.7               | 2.77            | 106.6 |
| 358      | 5/17/2011 2:45  | 11.49  | 48.23  | 31.35        | 9.45    | 7.81 | 10.6              | 2.63            | 105.7 |
| 359      | 5/17/2011 3:00  | 11.31  | 48.08  | 31.23        | 9.54    | 7.80 | 8.7               | 2.49            | 106.1 |
| 360      | 5/17/2011 3:15  | 11.53  | 48.04  | 31.21        | 9.43    | 7.80 | 9.9               | 2.33            | 105.5 |
| 361      | 5/17/2011 3:30  | 12.02  | 47.78  | 31.05        | 9.18    | 7.79 | 12.8              | 2.18            | 103.6 |
| 362      | 5/17/2011 3:45  | 12.09  | 47.74  | 31.03        | 9.07    | 7.79 | 12.2              | 2.03            | 102.5 |
| 363      | 5/17/2011 4:00  | 11.80  | 47.90  | 31.12        | 9.09    | 7.79 | 11.8              | 1.85            | 102.2 |
| 364      | 5/17/2011 4:15  | 12.09  | 47.74  | 31.02        | 8.98    | 7.78 | 13.5              | 1.69            | 101.5 |
| 365      | 5/17/2011 4:30  | 12.04  | 47.86  | 31.11        | 8.91    | 7.78 | 14.4              | 1.52            | 100.6 |
| 366      | 5/17/2011 4:45  | 12.11  | 47.66  | 30.96        | 8.85    | 7.77 | 14.5              | 1.35            | 99.9  |
| 367      | 5/17/2011 5:00  | 12.30  | 47.55  | 30.90        | 8.78    | 7.77 | 15.9              | 1.19            | 99.5  |
| 368      | 5/17/2011 5:15  | 12.40  | 47.58  | 30.92        | 8.72    | 7.76 | 17.0              | 1.02            | 99.1  |
| 369      | 5/17/2011 5:30  | 12.48  | 47.46  | 30.84        | 8.63    | 7.76 | 18.3              | 0.87            | 98.2  |
| 370      | 5/17/2011 5:45  | 12.55  | 47.30  | 30.72        | 8.58    | 7.75 | 17.5              | 0.73            | 97.7  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 371      | 5/17/2011 6:00  | 12.67  | 47.21  | 30.66        | 8.47    | 7.75 | 17.6              | 0.63            | 96.6  |
| 372      | 5/17/2011 6:15  | 12.85  | 47.02  | 30.54        | 8.37    | 7.74 | 16.0              | 0.57            | 95.7  |
| 373      | 5/17/2011 6:30  | 12.76  | 47.34  | 30.76        | 8.32    | 7.74 | 15.5              | 0.58            | 95.2  |
| 374      | 5/17/2011 6:45  | 12.87  | 47.19  | 30.66        | 8.34    | 7.74 | 13.5              | 0.64            | 95.5  |
| 375      | 5/17/2011 7:00  | 12.80  | 47.43  | 30.83        | 8.37    | 7.74 | 12.2              | 0.73            | 95.9  |
| 376      | 5/17/2011 7:15  | 12.83  | 47.06  | 30.56        | 8.37    | 7.74 | 12.6              | 0.85            | 95.8  |
| 377      | 5/17/2011 7:30  | 12.77  | 47.42  | 30.82        | 8.37    | 7.73 | 10.9              | 0.93            | 95.8  |
| 378      | 5/17/2011 7:45  | 12.76  | 47.19  | 30.65        | 8.31    | 7.72 | 11.5              | 1.02            | 95.0  |
| 379      | 5/17/2011 8:00  | 12.72  | 46.99  | 30.50        | 8.32    | 7.73 | 12.0              | 1.11            | 94.9  |
| 380      | 5/17/2011 8:15  | 12.69  | 46.88  | 30.43        | 8.30    | 7.72 | 11.8              | 1.19            | 94.6  |
| 381      | 5/17/2011 8:30  | 12.64  | 47.16  | 30.63        | 8.28    | 7.72 | 13.7              | 1.28            | 94.4  |
| 382      | 5/17/2011 8:45  | 12.62  | 46.98  | 30.49        | 8.33    | 7.72 | 12.0              | 1.37            | 94.9  |
| 383      | 5/17/2011 9:00  | 12.55  | 47.24  | 30.68        | 8.38    | 7.73 | 11.2              | 1.48            | 95.4  |
| 384      | 5/17/2011 9:15  | 12.33  | 47.36  | 30.76        | 8.51    | 7.74 | 10.3              | 1.58            | 96.5  |
| 385      | 5/17/2011 9:30  | 12.25  | 47.41  | 30.79        | 8.66    | 7.74 | 9.6               | 1.69            | 98.0  |
| 386      | 5/17/2011 9:45  | 12.09  | 48.21  | 31.36        | 8.74    | 7.75 | 10.6              | 1.82            | 98.9  |
| 387      | 5/17/2011 10:00 | 12.01  | 48.24  | 31.38        | 8.81    | 7.76 | 9.2               | 1.94            | 99.6  |
| 388      | 5/17/2011 10:15 | 11.99  | 47.85  | 31.09        | 8.85    | 7.76 | 11.8              | 2.06            | 99.8  |
| 389      | 5/17/2011 10:30 | 11.87  | 47.80  | 31.05        | 8.93    | 7.76 | 10.6              | 2.17            | 100.5 |
| 390      | 5/17/2011 10:45 | 11.78  | 48.46  | 31.53        | 8.95    | 7.77 | 12.8              | 2.28            | 100.8 |
| 391      | 5/17/2011 11:00 | 11.63  | 47.84  | 31.07        | 9.06    | 7.78 | 14.3              | 2.38            | 101.4 |
| 392      | 5/17/2011 11:15 | 11.38  | 48.59  | 31.60        | 9.24    | 7.79 | 15.2              | 2.48            | 103.2 |
| 393      | 5/17/2011 11:30 | 11.06  | 48.05  | 31.20        | 9.30    | 7.79 | 15.2              | 2.58            | 102.9 |
| 394      | 5/17/2011 11:45 | 10.66  | 48.44  | 31.46        | 9.41    | 7.79 | 13.7              | 2.67            | 103.5 |
| 395      | 5/17/2011 12:00 | 10.52  | 49.11  | 31.93        | 9.46    | 7.80 | 13.3              | 2.77            | 104.0 |
| 396      | 5/17/2011 12:15 | 10.48  | 48.68  | 31.62        | 9.60    | 7.81 | 13.4              | 2.85            | 105.1 |
| 397      | 5/17/2011 12:30 | 10.40  | 48.63  | 31.58        | 9.67    | 7.82 | 11.4              | 2.93            | 105.8 |
| 398      | 5/17/2011 12:45 | 10.31  | 48.53  | 31.50        | 9.77    | 7.82 | 10.1              | 3.02            | 106.5 |
| 399      | 5/17/2011 13:00 | 10.14  | 49.25  | 32.01        | 9.80    | 7.83 | 5.6               | 3.07            | 106.8 |
| 400      | 5/17/2011 13:15 | 10.09  | 48.58  | 31.52        | 9.87    | 7.84 | 5.9               | 3.12            | 107.2 |
| 401      | 5/17/2011 13:30 | 10.07  | 48.57  | 31.51        | 9.85    | 7.83 | 2.6               | 3.15            | 106.9 |
| 402      | 5/17/2011 13:45 | 10.31  | 48.79  | 31.69        | 9.91    | 7.84 | 5.4               | 3.15            | 108.3 |
| 403      | 5/17/2011 14:00 | 10.28  | 49.05  | 31.88        | 9.73    | 7.83 | 5.9               | 3.12            | 106.3 |
| 404      | 5/17/2011 14:15 | 10.20  | 48.65  | 31.58        | 9.78    | 7.84 | 7.5               | 3.07            | 106.5 |
| 405      | 5/17/2011 14:30 | 10.59  | 48.95  | 31.82        | 9.91    | 7.85 | 8.2               | 3.00            | 109.0 |
| 406      | 5/17/2011 14:45 | 11.27  | 48.50  | 31.53        | 10.36   | 7.87 | 7.8               | 2.92            | 115.3 |
| 407      | 5/17/2011 15:00 | 11.27  | 48.46  | 31.50        | 10.52   | 7.88 | 9.0               | 2.82            | 117.1 |
| 408      | 5/17/2011 15:15 | 11.63  | 48.79  | 31.76        | 10.31   | 7.86 | 11.8              | 2.72            | 115.8 |
| 409      | 5/17/2011 15:30 | 11.80  | 48.42  | 31.50        | 10.33   | 7.87 | 8.8               | 2.64            | 116.4 |
| 410      | 5/17/2011 15:45 | 11.94  | 48.07  | 31.25        | 10.32   | 7.87 | 8.2               | 2.54            | 116.4 |
| 411      | 5/17/2011 16:00 | 12.24  | 48.10  | 31.29        | 10.32   | 7.87 | 8.0               | 2.45            | 117.2 |
| 412      | 5/17/2011 16:15 | 12.49  | 48.48  | 31.58        | 10.44   | 7.87 | 8.2               | 2.37            | 119.3 |
| 413      | 5/17/2011 16:30 | 12.81  | 47.98  | 31.23        | 10.57   | 7.89 | 7.0               | 2.30            | 121.4 |
| 414      | 5/17/2011 16:45 | 12.92  | 47.74  | 31.06        | 10.63   | 7.89 | 8.2               | 2.23            | 122.2 |
| 415      | 5/17/2011 17:00 | 13.04  | 47.52  | 30.90        | 10.26   | 7.87 | 8.0               | 2.15            | 118.1 |
| 416      | 5/17/2011 17:15 | 13.17  | 47.64  | 31.00        | 10.34   | 7.87 | 7.9               | 2.10            | 119.5 |
| 417      | 5/17/2011 17:30 | 13.35  | 47.72  | 31.06        | 10.56   | 7.89 | 7.4               | 2.05            | 122.5 |
| 418      | 5/17/2011 17:45 | 13.47  | 47.43  | 30.85        | 10.42   | 7.88 | 8.4               | 2.00            | 121.0 |
| 419      | 5/17/2011 18:00 | 13.56  | 47.33  | 30.78        | 10.29   | 7.87 | 8.7               | 1.96            | 119.7 |
| 420      | 5/17/2011 18:15 | 13.62  | 47.30  | 30.76        | 9.98    | 7.85 | 7.8               | 1.95            | 116.3 |
| 421      | 5/17/2011 18:30 | 13.65  | 47.18  | 30.68        | 9.87    | 7.85 | 7.3               | 1.94            | 115.0 |
| 422      | 5/17/2011 18:45 | 13.35  | 47.80  | 31.12        | 9.96    | 7.84 | 6.0               | 1.95            | 115.5 |
| 423      | 5/17/2011 19:00 | 13.32  | 47.49  | 30.89        | 10.11   | 7.85 | 8.0               | 1.99            | 117.0 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 424      | 5/17/2011 19:15 | 13.30  | 47.40  | 30.82        | 10.01   | 7.84 | 7.5               | 2.03            | 115.8 |
| 425      | 5/17/2011 19:30 | 13.18  | 47.84  | 31.14        | 9.96    | 7.84 | 7.6               | 2.11            | 115.2 |
| 426      | 5/17/2011 19:45 | 13.49  | 47.19  | 30.68        | 10.07   | 7.84 | 7.6               | 2.18            | 116.9 |
| 427      | 5/17/2011 20:00 | 13.03  | 47.58  | 30.94        | 10.03   | 7.84 | 8.4               | 2.27            | 115.5 |
| 428      | 5/17/2011 20:15 | 12.83  | 47.65  | 30.99        | 10.12   | 7.84 | 7.8               | 2.35            | 116.1 |
| 429      | 5/17/2011 20:30 | 12.45  | 47.89  | 31.15        | 10.17   | 7.84 | 9.2               | 2.44            | 115.8 |
| 430      | 5/17/2011 20:45 | 11.83  | 48.04  | 31.23        | 10.09   | 7.83 | 6.8               | 2.54            | 113.5 |
| 431      | 5/17/2011 21:00 | 11.69  | 48.53  | 31.57        | 9.95    | 7.83 | 6.3               | 2.63            | 111.9 |
| 432      | 5/17/2011 21:15 | 11.54  | 48.28  | 31.39        | 9.99    | 7.83 | 7.0               | 2.73            | 111.9 |
| 433      | 5/17/2011 21:30 | 11.45  | 48.58  | 31.60        | 10.10   | 7.84 | 6.9               | 2.83            | 113.0 |
| 434      | 5/17/2011 21:45 | 11.19  | 48.30  | 31.38        | 10.20   | 7.84 | 7.3               | 2.94            | 113.3 |
| 435      | 5/17/2011 22:00 | 10.97  | 48.38  | 31.43        | 10.31   | 7.86 | 8.4               | 3.05            | 114.0 |
| 436      | 5/17/2011 22:15 | 10.67  | 48.82  | 31.73        | 10.43   | 7.87 | 9.1               | 3.16            | 114.8 |
| 437      | 5/17/2011 22:30 | 10.50  | 48.63  | 31.58        | 10.62   | 7.88 | 8.7               | 3.27            | 116.4 |
| 438      | 5/17/2011 22:45 | 10.33  | 48.68  | 31.61        | 10.72   | 7.89 | 6.8               | 3.38            | 117.0 |
| 439      | 5/17/2011 23:00 | 10.19  | 48.65  | 31.58        | 10.94   | 7.90 | 6.4               | 3.49            | 119.1 |
| 440      | 5/17/2011 23:15 | 10.13  | 49.08  | 31.88        | 11.05   | 7.91 | 5.2               | 3.57            | 120.3 |
| 441      | 5/17/2011 23:30 | 10.10  | 48.80  | 31.68        | 11.05   | 7.92 | 4.4               | 3.66            | 120.2 |
| 442      | 5/17/2011 23:45 | 10.03  | 49.06  | 31.87        | 11.03   | 7.92 | 4.6               | 3.74            | 119.8 |
| 443      | 5/18/2011 0:00  | 9.98   | 49.13  | 31.91        | 10.91   | 7.91 | 2.5               | 3.79            | 118.5 |
| 444      | 5/18/2011 0:15  | 9.98   | 49.16  | 31.93        | 10.80   | 7.91 | 2.6               | 3.83            | 117.3 |
| 445      | 5/18/2011 0:30  | 9.96   | 49.55  | 32.21        | 10.60   | 7.90 | 1.9               | 3.87            | 115.3 |
| 446      | 5/18/2011 0:45  | 10.21  | 48.93  | 31.78        | 10.63   | 7.90 | 4.3               | 3.87            | 115.9 |
| 447      | 5/18/2011 1:00  | 10.25  | 48.72  | 31.63        | 10.54   | 7.89 | 4.9               | 3.85            | 114.9 |
| 448      | 5/18/2011 1:15  | 10.21  | 48.67  | 31.59        | 10.71   | 7.90 | 4.3               | 3.80            | 116.7 |
| 449      | 5/18/2011 1:30  | 10.23  | 48.84  | 31.72        | 10.62   | 7.89 | 5.2               | 3.73            | 115.8 |
| 450      | 5/18/2011 1:45  | 10.11  | 48.77  | 31.66        | 10.77   | 7.90 | 5.8               | 3.62            | 117.1 |
| 451      | 5/18/2011 2:00  | 10.10  | 48.81  | 31.68        | 10.77   | 7.90 | 5.0               | 3.51            | 117.1 |
| 452      | 5/18/2011 2:15  | 10.57  | 48.79  | 31.70        | 10.39   | 7.88 | 5.6               | 3.38            | 114.1 |
| 453      | 5/18/2011 2:30  | 10.83  | 48.68  | 31.64        | 10.29   | 7.88 | 8.4               | 3.24            | 113.6 |
| 454      | 5/18/2011 2:45  | 10.91  | 48.49  | 31.50        | 10.21   | 7.87 | 9.3               | 3.11            | 112.8 |
| 455      | 5/18/2011 3:00  | 11.09  | 48.47  | 31.50        | 10.06   | 7.85 | 8.7               | 2.97            | 111.6 |
| 456      | 5/18/2011 3:15  | 11.33  | 48.10  | 31.25        | 9.97    | 7.85 | 8.5               | 2.83            | 111.0 |
| 457      | 5/18/2011 3:30  | 11.73  | 47.97  | 31.17        | 9.79    | 7.84 | 10.9              | 2.69            | 109.8 |
| 458      | 5/18/2011 3:45  | 11.58  | 47.96  | 31.16        | 9.90    | 7.83 | 8.8               | 2.53            | 110.8 |
| 459      | 5/18/2011 4:00  | 12.09  | 47.89  | 31.13        | 9.59    | 7.82 | 10.3              | 2.39            | 108.4 |
| 460      | 5/18/2011 4:15  | 12.10  | 47.84  | 31.10        | 9.53    | 7.82 | 9.8               | 2.23            | 107.7 |
| 461      | 5/18/2011 4:30  | 12.23  | 47.72  | 31.01        | 9.44    | 7.81 | 10.5              | 2.06            | 106.9 |
| 462      | 5/18/2011 4:45  | 12.22  | 47.82  | 31.08        | 9.40    | 7.81 | 11.5              | 1.89            | 106.5 |
| 463      | 5/18/2011 5:00  | 12.27  | 47.80  | 31.07        | 9.32    | 7.80 | 13.7              | 1.73            | 105.7 |
| 464      | 5/18/2011 5:15  | 12.40  | 47.53  | 30.88        | 9.19    | 7.79 | 15.3              | 1.56            | 104.4 |
| 465      | 5/18/2011 5:30  | 12.47  | 47.63  | 30.96        | 9.12    | 7.79 | 16.6              | 1.38            | 103.8 |
| 466      | 5/18/2011 5:45  | 12.65  | 47.55  | 30.91        | 9.06    | 7.78 | 16.2              | 1.21            | 103.5 |
| 467      | 5/18/2011 6:00  | 12.85  | 47.27  | 30.71        | 8.97    | 7.78 | 18.0              | 1.05            | 102.7 |
| 468      | 5/18/2011 6:15  | 12.87  | 47.40  | 30.81        | 8.91    | 7.78 | 18.5              | 0.88            | 102.2 |
| 469      | 5/18/2011 6:30  | 12.89  | 47.86  | 31.14        | 8.83    | 7.77 | 18.0              | 0.74            | 101.5 |
| 470      | 5/18/2011 6:45  | 12.96  | 47.39  | 30.81        | 8.75    | 7.76 | 17.3              | 0.62            | 100.6 |
| 471      | 5/18/2011 7:00  | 13.04  | 47.13  | 30.62        | 8.74    | 7.76 | 13.1              | 0.54            | 100.4 |
| 472      | 5/18/2011 7:15  | 13.23  | 47.55  | 30.93        | 8.52    | 7.75 | 15.4              | 0.55            | 98.5  |
| 473      | 5/18/2011 7:30  | 13.51  | 47.55  | 30.94        | 8.49    | 7.75 | 15.0              | 0.60            | 98.7  |
| 474      | 5/18/2011 7:45  | 13.46  | 47.52  | 30.91        | 8.58    | 7.75 | 12.5              | 0.69            | 99.7  |
| 475      | 5/18/2011 8:00  | 13.45  | 47.06  | 30.58        | 8.58    | 7.75 | 13.7              | 0.80            | 99.4  |
| 476      | 5/18/2011 8:15  | 13.44  | 47.14  | 30.64        | 8.70    | 7.75 | 29.3              | 0.91            | 100.8 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 477      | 5/18/2011 8:30  | 13.42  | 47.40  | 30.83        | 8.66    | 7.74 | 18.2              | 1.02            | 100.4 |
| 478      | 5/18/2011 8:45  | 13.30  | 47.05  | 30.57        | 8.65    | 7.75 | 13.9              | 1.34            | 99.9  |
| 479      | 5/18/2011 9:00  | 13.28  | 46.82  | 30.41        | 8.62    | 7.74 | 13.7              | 1.42            | 99.5  |
| 480      | 5/18/2011 9:15  | 13.16  | 47.06  | 30.58        | 8.54    | 7.73 | 15.1              | 1.50            | 98.4  |
| 481      | 5/18/2011 9:30  | 13.08  | 46.97  | 30.51        | 8.64    | 7.74 | 12.1              | 1.60            | 99.3  |
| 482      | 5/18/2011 9:45  | 13.03  | 47.12  | 30.61        | 8.68    | 7.75 | 9.9               | 1.70            | 99.8  |
| 483      | 5/18/2011 10:00 | 12.92  | 47.35  | 30.78        | 8.77    | 7.75 | 10.1              | 1.81            | 100.7 |
| 484      | 5/18/2011 10:15 | 12.77  | 47.40  | 30.80        | 8.94    | 7.77 | 9.2               | 1.93            | 102.3 |
| 485      | 5/18/2011 10:30 | 12.61  | 47.49  | 30.86        | 9.08    | 7.78 | 10.8              | 2.05            | 103.6 |
| 486      | 5/18/2011 10:45 | 12.53  | 47.57  | 30.92        | 9.25    | 7.79 | 10.4              | 2.18            | 105.4 |
| 487      | 5/18/2011 11:00 | 12.53  | 47.73  | 31.03        | 9.32    | 7.79 | 11.5              | 2.29            | 106.3 |
| 488      | 5/18/2011 11:15 | 12.54  | 47.64  | 30.97        | 9.41    | 7.80 | 10.9              | 2.41            | 107.3 |
| 489      | 5/18/2011 11:30 | 12.46  | 48.00  | 31.22        | 9.51    | 7.80 | 11.9              | 2.53            | 108.4 |
| 490      | 5/18/2011 11:45 | 12.32  | 47.97  | 31.20        | 9.51    | 7.80 | 13.1              | 2.64            | 108.1 |
| 491      | 5/18/2011 12:00 | 12.20  | 48.03  | 31.24        | 9.69    | 7.82 | 17.3              | 2.73            | 109.9 |
| 492      | 5/18/2011 12:15 | 11.95  | 48.17  | 31.33        | 9.75    | 7.82 | 15.4              | 2.83            | 110.0 |
| 493      | 5/18/2011 12:30 | 11.40  | 48.37  | 31.44        | 9.93    | 7.83 | 14.6              | 2.93            | 110.9 |
| 494      | 5/18/2011 12:45 | 11.25  | 48.63  | 31.62        | 10.04   | 7.84 | 15.0              | 3.02            | 111.8 |
| 495      | 5/18/2011 13:00 | 11.22  | 48.37  | 31.44        | 10.13   | 7.85 | 14.0              | 3.10            | 112.6 |
| 496      | 5/18/2011 13:15 | 11.13  | 48.98  | 31.87        | 10.27   | 7.86 | 13.6              | 3.18            | 114.3 |
| 497      | 5/18/2011 13:30 | 11.02  | 48.95  | 31.84        | 10.25   | 7.86 | 10.1              | 3.25            | 113.8 |
| 498      | 5/18/2011 13:45 | 10.80  | 48.72  | 31.67        | 10.25   | 7.88 | 8.4               | 3.32            | 113.2 |
| 499      | 5/18/2011 14:00 | 10.63  | 48.92  | 31.80        | 10.21   | 7.88 | 5.6               | 3.37            | 112.4 |
| 500      | 5/18/2011 14:15 | 10.62  | 48.85  | 31.75        | 10.19   | 7.87 | 4.0               | 3.40            | 112.1 |
| 501      | 5/18/2011 14:30 | 11.00  | 48.71  | 31.67        | 10.24   | 7.87 | 5.6               | 3.41            | 113.5 |
| 502      | 5/18/2011 14:45 | 10.67  | 48.99  | 31.85        | 10.08   | 7.87 | 4.0               | 3.40            | 111.1 |
| 503      | 5/18/2011 15:00 | 10.74  | 49.20  | 32.01        | 10.08   | 7.87 | 5.3               | 3.34            | 111.3 |
| 504      | 5/18/2011 15:15 | 11.68  | 48.53  | 31.57        | 10.42   | 7.89 | 8.1               | 3.29            | 117.2 |
| 505      | 5/18/2011 15:30 | 12.05  | 48.49  | 31.57        | 10.62   | 7.91 | 9.9               | 3.22            | 120.3 |
| 506      | 5/18/2011 15:45 | 12.18  | 48.59  | 31.64        | 10.64   | 7.91 | 12.0              | 3.13            | 121.0 |
| 507      | 5/18/2011 16:00 | 12.23  | 48.72  | 31.74        | 10.59   | 7.91 | 14.8              | 3.04            | 120.6 |
| 508      | 5/18/2011 16:15 | 12.36  | 48.42  | 31.53        | 10.62   | 7.91 | 14.8              | 2.94            | 121.1 |
| 509      | 5/18/2011 16:30 | 12.67  | 48.30  | 31.45        | 10.65   | 7.92 | 14.6              | 2.87            | 122.1 |
| 510      | 5/18/2011 16:45 | 12.79  | 48.37  | 31.50        | 10.76   | 7.93 | 12.3              | 2.77            | 123.8 |
| 511      | 5/18/2011 17:00 | 13.25  | 47.94  | 31.21        | 10.57   | 7.93 | 16.3              | 2.70            | 122.5 |
| 512      | 5/18/2011 17:15 | 13.59  | 47.82  | 31.14        | 10.51   | 7.92 | 18.1              | 2.62            | 122.6 |
| 513      | 5/18/2011 17:30 | 13.76  | 47.75  | 31.09        | 10.41   | 7.92 | 18.5              | 2.55            | 121.8 |
| 514      | 5/18/2011 17:45 | 14.03  | 48.17  | 31.40        | 10.22   | 7.91 | 20.0              | 2.48            | 120.5 |
| 515      | 5/18/2011 18:00 | 14.26  | 47.65  | 31.03        | 10.03   | 7.89 | 20.8              | 2.41            | 118.6 |
| 516      | 5/18/2011 18:15 | 14.29  | 47.47  | 30.90        | 10.01   | 7.89 | 18.6              | 2.37            | 118.3 |
| 517      | 5/18/2011 18:30 | 14.49  | 47.75  | 31.11        | 9.65    | 7.86 | 20.8              | 2.30            | 114.6 |
| 518      | 5/18/2011 18:45 | 14.55  | 47.29  | 30.78        | 9.66    | 7.86 | 17.5              | 2.26            | 114.7 |
| 519      | 5/18/2011 19:00 | 14.59  | 47.24  | 30.74        | 9.49    | 7.84 | 19.5              | 2.24            | 112.8 |
| 520      | 5/18/2011 19:15 | 14.63  | 47.24  | 30.74        | 9.49    | 7.84 | 18.1              | 2.25            | 112.8 |
| 521      | 5/18/2011 19:30 | 14.55  | 47.28  | 30.78        | 9.58    | 7.85 | 15.1              | 2.26            | 113.7 |
| 522      | 5/18/2011 19:45 | 14.45  | 47.25  | 30.75        | 9.62    | 7.85 | 14.2              | 2.28            | 113.9 |
| 523      | 5/18/2011 20:00 | 14.44  | 47.65  | 31.03        | 9.59    | 7.84 | 14.5              | 2.34            | 113.8 |
| 524      | 5/18/2011 20:15 | 14.47  | 47.68  | 31.06        | 9.53    | 7.84 | 16.3              | 2.41            | 113.1 |
| 525      | 5/18/2011 20:30 | 14.48  | 47.67  | 31.05        | 9.59    | 7.85 | 14.8              | 2.47            | 113.8 |
| 526      | 5/18/2011 20:45 | 14.56  | 47.16  | 30.69        | 9.63    | 7.85 | 13.7              | 2.55            | 114.3 |
| 527      | 5/18/2011 21:00 | 14.19  | 47.54  | 30.95        | 9.75    | 7.85 | 18.7              | 2.64            | 115.0 |
| 528      | 5/18/2011 21:15 | 13.72  | 47.69  | 31.05        | 9.92    | 7.86 | 17.5              | 2.73            | 116.0 |
| 529      | 5/18/2011 21:30 | 13.28  | 47.93  | 31.20        | 10.00   | 7.86 | 14.0              | 2.81            | 116.0 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 530      | 5/18/2011 21:45 | 12.62  | 48.11  | 31.31        | 10.08   | 7.86 | 12.9              | 2.91            | 115.3 |
| 531      | 5/18/2011 22:00 | 12.46  | 48.74  | 31.76        | 10.08   | 7.86 | 10.7              | 3.00            | 115.3 |
| 532      | 5/18/2011 22:15 | 12.35  | 48.23  | 31.39        | 10.13   | 7.86 | 11.0              | 3.10            | 115.3 |
| 533      | 5/18/2011 22:30 | 12.09  | 48.40  | 31.50        | 10.18   | 7.87 | 10.9              | 3.19            | 115.3 |
| 534      | 5/18/2011 22:45 | 11.78  | 48.53  | 31.58        | 10.25   | 7.87 | 10.3              | 3.30            | 115.5 |
| 535      | 5/18/2011 23:00 | 11.43  | 48.68  | 31.67        | 10.41   | 7.90 | 14.0              | 3.40            | 116.5 |
| 536      | 5/18/2011 23:15 | 11.16  | 48.81  | 31.75        | 10.52   | 7.90 | 11.0              | 3.51            | 117.0 |
| 537      | 5/18/2011 23:30 | 10.99  | 48.84  | 31.77        | 10.67   | 7.91 | 10.2              | 3.60            | 118.3 |
| 538      | 5/18/2011 23:45 | 10.77  | 49.01  | 31.87        | 10.86   | 7.93 | 8.7               | 3.70            | 119.9 |
| 539      | 5/19/2011 0:00  | 10.69  | 48.99  | 31.85        | 10.93   | 7.94 | 7.4               | 3.79            | 120.5 |
| 540      | 5/19/2011 0:15  | 10.64  | 49.00  | 31.86        | 11.01   | 7.94 | 6.5               | 3.87            | 121.2 |
| 541      | 5/19/2011 0:30  | 10.61  | 48.95  | 31.82        | 11.04   | 7.94 | 5.1               | 3.94            | 121.4 |
| 542      | 5/19/2011 0:45  | 10.60  | 48.96  | 31.83        | 11.06   | 7.95 | 4.8               | 4.00            | 121.6 |
| 543      | 5/19/2011 1:00  | 10.60  | 48.96  | 31.83        | 11.04   | 7.95 | 3.1               | 4.04            | 121.5 |
| 544      | 5/19/2011 1:15  | 10.58  | 49.05  | 31.89        | 11.03   | 7.95 | 3.5               | 4.07            | 121.4 |
| 545      | 5/19/2011 1:30  | 10.82  | 48.93  | 31.82        | 10.65   | 7.93 | 4.3               | 4.07            | 117.7 |
| 546      | 5/19/2011 1:45  | 10.89  | 49.33  | 32.11        | 10.37   | 7.91 | 4.9               | 4.04            | 115.0 |
| 547      | 5/19/2011 2:00  | 10.87  | 49.41  | 32.17        | 10.47   | 7.92 | 5.6               | 3.99            | 116.0 |
| 548      | 5/19/2011 2:15  | 10.84  | 48.80  | 31.72        | 10.55   | 7.92 | 5.6               | 3.92            | 116.6 |
| 549      | 5/19/2011 2:30  | 10.73  | 49.03  | 31.88        | 10.65   | 7.92 | 7.6               | 3.82            | 117.6 |
| 550      | 5/19/2011 2:45  | 10.78  | 48.92  | 31.81        | 10.67   | 7.92 | 6.2               | 3.70            | 117.8 |
| 551      | 5/19/2011 3:00  | 10.99  | 48.76  | 31.70        | 10.46   | 7.92 | 6.0               | 3.59            | 116.0 |
| 552      | 5/19/2011 3:15  | 11.74  | 48.53  | 31.58        | 9.99    | 7.89 | 11.0              | 3.47            | 112.4 |
| 553      | 5/19/2011 3:30  | 11.83  | 48.57  | 31.61        | 9.96    | 7.89 | 10.3              | 3.34            | 112.3 |
| 554      | 5/19/2011 3:45  | 12.25  | 48.27  | 31.41        | 9.80    | 7.88 | 10.9              | 3.19            | 111.4 |
| 555      | 5/19/2011 4:00  | 12.35  | 48.22  | 31.38        | 9.72    | 7.87 | 10.2              | 3.05            | 110.7 |
| 556      | 5/19/2011 4:15  | 12.28  | 48.29  | 31.43        | 9.68    | 7.86 | 9.8               | 2.93            | 110.1 |
| 557      | 5/19/2011 4:30  | 12.37  | 48.17  | 31.34        | 9.63    | 7.87 | 10.1              | 2.78            | 109.6 |
| 558      | 5/19/2011 4:45  | 13.37  | 47.78  | 31.10        | 9.22    | 7.82 | 17.0              | 2.61            | 107.1 |
| 559      | 5/19/2011 5:00  | 13.00  | 47.95  | 31.21        | 9.26    | 7.83 | 15.8              | 2.46            | 106.7 |
| 560      | 5/19/2011 5:15  | 13.27  | 47.77  | 31.09        | 9.08    | 7.81 | 15.4              | 2.30            | 105.2 |
| 561      | 5/19/2011 5:30  | 13.24  | 47.75  | 31.07        | 8.96    | 7.81 | 16.2              | 2.15            | 103.8 |
| 562      | 5/19/2011 5:45  | 13.37  | 47.68  | 31.03        | 8.83    | 7.82 | 18.1              | 1.98            | 102.5 |
| 563      | 5/19/2011 6:00  | 13.65  | 48.13  | 31.37        | 8.64    | 7.79 | 20.8              | 1.81            | 101.1 |
| 564      | 5/19/2011 6:15  | 13.65  | 47.57  | 30.96        | 8.60    | 7.79 | 20.1              | 1.64            | 100.3 |
| 565      | 5/19/2011 6:30  | 13.88  | 47.61  | 30.99        | 8.59    | 7.79 | 23.9              | 1.47            | 100.8 |
| 566      | 5/19/2011 6:45  | 14.03  | 47.52  | 30.93        | 8.52    | 7.79 | 28.7              | 1.30            | 100.1 |
| 567      | 5/19/2011 7:00  | 14.10  | 47.47  | 30.90        | 8.46    | 7.78 | 30.5              | 1.13            | 99.5  |
| 568      | 5/19/2011 7:15  | 14.24  | 47.45  | 30.89        | 8.37    | 7.78 | 31.6              | 1.01            | 98.8  |
| 569      | 5/19/2011 7:30  | 14.39  | 47.34  | 30.81        | 8.24    | 7.77 | 25.8              | 0.88            | 97.5  |
| 570      | 5/19/2011 7:45  | 14.19  | 47.45  | 30.89        | 8.30    | 7.77 | 24.6              | 0.82            | 97.9  |
| 571      | 5/19/2011 8:00  | 14.60  | 47.29  | 30.78        | 8.12    | 7.76 | 20.1              | 0.83            | 96.5  |
| 572      | 5/19/2011 8:15  | 14.77  | 47.26  | 30.76        | 8.08    | 7.76 | 18.3              | 0.89            | 96.3  |
| 573      | 5/19/2011 8:30  | 14.70  | 47.27  | 30.77        | 8.13    | 7.76 | 14.8              | 0.98            | 96.7  |
| 574      | 5/19/2011 8:45  | 14.71  | 47.29  | 30.79        | 8.06    | 7.75 | 16.7              | 1.10            | 96.0  |
| 575      | 5/19/2011 9:00  | 14.68  | 47.22  | 30.73        | 8.19    | 7.76 | 15.1              | 1.18            | 97.4  |
| 576      | 5/19/2011 9:15  | 14.64  | 47.01  | 30.58        | 8.13    | 7.75 | 15.0              | 1.26            | 96.5  |
| 577      | 5/19/2011 9:30  | 14.61  | 47.06  | 30.62        | 8.08    | 7.75 | 15.7              | 1.33            | 96.0  |
| 578      | 5/19/2011 9:45  | 14.70  | 46.96  | 30.55        | 8.12    | 7.74 | 13.0              | 1.40            | 96.5  |
| 579      | 5/19/2011 10:00 | 14.60  | 46.70  | 30.35        | 8.10    | 7.74 | 14.0              | 1.49            | 96.0  |
| 580      | 5/19/2011 10:15 | 14.57  | 46.60  | 30.28        | 8.11    | 7.74 | 14.1              | 1.57            | 96.0  |
| 581      | 5/19/2011 10:30 | 14.50  | 47.33  | 30.81        | 8.02    | 7.74 | 12.8              | 1.65            | 95.2  |
| 582      | 5/19/2011 10:45 | 14.30  | 47.11  | 30.64        | 8.27    | 7.77 | 11.3              | 1.77            | 97.5  |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 583      | 5/19/2011 11:00 | 13.88  | 47.80  | 31.13        | 8.44    | 7.77 | 10.1              | 1.87            | 99.0  |
| 584      | 5/19/2011 11:15 | 14.00  | 47.46  | 30.89        | 8.50    | 7.78 | 9.9               | 1.98            | 99.9  |
| 585      | 5/19/2011 11:30 | 13.58  | 48.19  | 31.40        | 8.78    | 7.81 | 13.1              | 2.11            | 102.6 |
| 586      | 5/19/2011 11:45 | 13.49  | 48.06  | 31.31        | 9.00    | 7.82 | 12.9              | 2.22            | 104.9 |
| 587      | 5/19/2011 12:00 | 13.52  | 47.89  | 31.18        | 9.08    | 7.83 | 11.4              | 2.34            | 105.8 |
| 588      | 5/19/2011 12:15 | 13.49  | 47.85  | 31.15        | 9.21    | 7.82 | 11.8              | 2.46            | 107.2 |
| 589      | 5/19/2011 12:30 | 13.46  | 47.84  | 31.14        | 9.37    | 7.84 | 12.5              | 2.57            | 109.0 |
| 590      | 5/19/2011 12:45 | 13.25  | 47.84  | 31.14        | 9.34    | 7.84 | 15.1              | 2.67            | 108.2 |
| 591      | 5/19/2011 13:00 | 13.04  | 48.40  | 31.54        | 9.52    | 7.85 | 16.6              | 2.76            | 110.1 |
| 592      | 5/19/2011 13:15 | 12.80  | 48.08  | 31.30        | 9.69    | 7.86 | 16.7              | 2.84            | 111.3 |
| 593      | 5/19/2011 13:30 | 12.37  | 48.40  | 31.51        | 9.85    | 7.87 | 17.3              | 2.93            | 112.3 |
| 594      | 5/19/2011 13:45 | 12.12  | 48.47  | 31.55        | 10.08   | 7.88 | 15.7              | 3.02            | 114.4 |
| 595      | 5/19/2011 14:00 | 12.03  | 48.52  | 31.58        | 10.25   | 7.90 | 14.0              | 3.08            | 116.1 |
| 596      | 5/19/2011 14:15 | 11.99  | 48.55  | 31.61        | 10.26   | 7.90 | 11.7              | 3.16            | 116.1 |
| 597      | 5/19/2011 14:30 | 11.89  | 48.75  | 31.74        | 10.21   | 7.90 | 10.3              | 3.23            | 115.4 |
| 598      | 5/19/2011 14:45 | 11.68  | 48.76  | 31.74        | 10.14   | 7.89 | 9.8               | 3.29            | 114.0 |
| 599      | 5/19/2011 15:00 | 11.41  | 49.25  | 32.08        | 10.05   | 7.88 | 6.0               | 3.33            | 112.7 |
| 600      | 5/19/2011 15:15 | 11.33  | 49.42  | 32.20        | 10.01   | 7.88 | 4.3               | 3.34            | 112.1 |
| 601      | 5/19/2011 15:30 | 11.38  | 48.90  | 31.83        | 9.82    | 7.87 | 5.6               | 3.35            | 109.9 |
| 602      | 5/19/2011 15:45 | 11.33  | 49.30  | 32.12        | 9.78    | 7.87 | 4.6               | 3.33            | 109.5 |
| 603      | 5/19/2011 16:00 | 11.45  | 48.93  | 31.86        | 9.82    | 7.87 | 8.7               | 3.27            | 110.1 |
| 604      | 5/19/2011 16:15 | 12.74  | 48.49  | 31.59        | 10.41   | 7.92 | 9.3               | 3.21            | 119.7 |
| 605      | 5/19/2011 16:30 | 13.32  | 48.26  | 31.45        | 10.57   | 7.94 | 9.3               | 3.13            | 122.9 |
| 606      | 5/19/2011 16:45 | 13.18  | 48.50  | 31.61        | 10.67   | 7.94 | 10.2              | 3.04            | 123.8 |
| 607      | 5/19/2011 17:00 | 13.40  | 48.23  | 31.43        | 10.59   | 7.94 | 12.0              | 2.95            | 123.3 |
| 608      | 5/19/2011 17:15 | 13.51  | 48.12  | 31.35        | 10.60   | 7.94 | 11.0              | 2.88            | 123.6 |
| 609      | 5/19/2011 17:30 | 13.89  | 48.01  | 31.29        | 10.59   | 7.93 | 9.7               | 2.80            | 124.4 |
| 610      | 5/19/2011 17:45 | 14.19  | 47.91  | 31.22        | 10.59   | 7.93 | 9.4               | 2.71            | 125.1 |
| 611      | 5/19/2011 18:00 | 14.16  | 47.93  | 31.23        | 10.63   | 7.93 | 9.2               | 2.64            | 125.5 |
| 612      | 5/19/2011 18:15 | 14.56  | 47.87  | 31.20        | 10.73   | 7.95 | 7.8               | 2.58            | 127.7 |
| 613      | 5/19/2011 18:30 | 14.92  | 47.74  | 31.12        | 10.53   | 7.92 | 10.0              | 2.50            | 126.1 |
| 614      | 5/19/2011 18:45 | 14.93  | 48.26  | 31.49        | 10.86   | 7.96 | 8.7               | 2.44            | 130.4 |
| 615      | 5/19/2011 19:00 | 15.11  | 47.77  | 31.14        | 10.83   | 7.96 | 8.2               | 2.38            | 130.3 |
| 616      | 5/19/2011 19:15 | 15.29  | 47.69  | 31.09        | 10.45   | 7.94 | 8.7               | 2.33            | 126.1 |
| 617      | 5/19/2011 19:30 | 15.35  | 47.66  | 31.07        | 10.32   | 7.91 | 8.6               | 2.29            | 124.7 |
| 618      | 5/19/2011 19:45 | 15.46  | 47.47  | 30.93        | 10.29   | 7.92 | 8.9               | 2.27            | 124.5 |
| 619      | 5/19/2011 20:00 | 15.46  | 47.51  | 30.96        | 10.08   | 7.90 | 7.9               | 2.25            | 122.0 |
| 620      | 5/19/2011 20:15 | 15.05  | 47.54  | 30.97        | 9.77    | 7.86 | 6.8               | 2.27            | 117.3 |
| 621      | 5/19/2011 20:30 | 15.09  | 48.07  | 31.36        | 10.15   | 7.91 | 9.0               | 2.30            | 122.3 |
| 622      | 5/19/2011 20:45 | 15.28  | 47.55  | 30.98        | 10.12   | 7.90 | 7.9               | 2.32            | 122.1 |
| 623      | 5/19/2011 21:00 | 15.05  | 47.64  | 31.05        | 10.07   | 7.89 | 7.8               | 2.39            | 120.9 |
| 624      | 5/19/2011 21:15 | 14.99  | 47.60  | 31.02        | 10.02   | 7.89 | 8.4               | 2.46            | 120.2 |
| 625      | 5/19/2011 21:30 | 15.33  | 47.66  | 31.06        | 10.02   | 7.89 | 8.7               | 2.53            | 121.0 |
| 626      | 5/19/2011 21:45 | 14.81  | 47.66  | 31.06        | 10.06   | 7.90 | 8.9               | 2.61            | 120.3 |
| 627      | 5/19/2011 22:00 | 14.47  | 48.32  | 31.53        | 10.19   | 7.90 | 7.9               | 2.69            | 121.3 |
| 628      | 5/19/2011 22:15 | 14.04  | 47.96  | 31.25        | 10.19   | 7.90 | 7.8               | 2.77            | 120.1 |
| 629      | 5/19/2011 22:30 | 13.45  | 48.67  | 31.75        | 10.11   | 7.89 | 7.4               | 2.85            | 118.1 |
| 630      | 5/19/2011 22:45 | 13.20  | 48.76  | 31.81        | 10.05   | 7.89 | 6.8               | 2.93            | 116.8 |
| 631      | 5/19/2011 23:00 | 13.04  | 48.29  | 31.46        | 10.09   | 7.89 | 7.6               | 3.02            | 116.6 |
| 632      | 5/19/2011 23:15 | 12.84  | 48.41  | 31.54        | 10.06   | 7.89 | 7.2               | 3.11            | 115.9 |
| 633      | 5/19/2011 23:30 | 12.39  | 48.58  | 31.64        | 10.06   | 7.89 | 8.2               | 3.20            | 114.8 |
| 634      | 5/19/2011 23:45 | 12.03  | 48.71  | 31.72        | 10.06   | 7.88 | 8.9               | 3.29            | 114.0 |
| 635      | 5/20/2011 0:00  | 11.70  | 49.13  | 32.01        | 10.09   | 7.89 | 8.2               | 3.38            | 113.7 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 636      | 5/20/2011 0:15  | 11.41  | 48.92  | 31.85        | 10.13   | 7.89 | 6.5               | 3.48            | 113.4 |
| 637      | 5/20/2011 0:30  | 11.28  | 48.98  | 31.88        | 10.14   | 7.89 | 6.5               | 3.56            | 113.2 |
| 638      | 5/20/2011 0:45  | 11.02  | 49.20  | 32.02        | 10.13   | 7.89 | 5.0               | 3.64            | 112.6 |
| 639      | 5/20/2011 1:00  | 10.80  | 49.54  | 32.26        | 10.04   | 7.89 | 4.0               | 3.71            | 111.3 |
| 640      | 5/20/2011 1:15  | 10.72  | 49.75  | 32.40        | 9.98    | 7.88 | 4.0               | 3.78            | 110.5 |
| 641      | 5/20/2011 1:30  | 10.69  | 49.77  | 32.42        | 9.93    | 7.88 | 3.6               | 3.83            | 109.9 |
| 642      | 5/20/2011 1:45  | 10.68  | 49.78  | 32.42        | 9.89    | 7.88 | 4.1               | 3.85            | 109.4 |
| 643      | 5/20/2011 2:00  | 10.65  | 49.79  | 32.43        | 9.88    | 7.88 | 2.4               | 3.89            | 109.2 |
| 644      | 5/20/2011 2:15  | 10.95  | 49.23  | 32.04        | 9.78    | 7.88 | 3.7               | 3.88            | 108.5 |
| 645      | 5/20/2011 2:30  | 10.86  | 49.25  | 32.05        | 9.71    | 7.87 | 3.4               | 3.87            | 107.6 |
| 646      | 5/20/2011 2:45  | 10.75  | 49.25  | 32.05        | 9.72    | 7.87 | 3.5               | 3.83            | 107.4 |
| 647      | 5/20/2011 3:00  | 11.51  | 48.89  | 31.82        | 9.83    | 7.89 | 5.3               | 3.75            | 110.2 |
| 648      | 5/20/2011 3:15  | 11.45  | 49.41  | 32.20        | 9.78    | 7.88 | 4.6               | 3.69            | 109.8 |
| 649      | 5/20/2011 3:30  | 11.50  | 48.93  | 31.86        | 9.78    | 7.88 | 4.9               | 3.59            | 109.7 |
| 650      | 5/20/2011 3:45  | 11.76  | 48.81  | 31.78        | 9.71    | 7.88 | 5.7               | 3.48            | 109.5 |
| 651      | 5/20/2011 4:00  | 12.15  | 48.68  | 31.71        | 9.71    | 7.89 | 8.3               | 3.37            | 110.4 |
| 652      | 5/20/2011 4:15  | 12.20  | 49.12  | 32.03        | 9.70    | 7.89 | 8.2               | 3.24            | 110.6 |
| 653      | 5/20/2011 4:30  | 12.56  | 48.86  | 31.85        | 9.63    | 7.88 | 7.0               | 3.13            | 110.4 |
| 654      | 5/20/2011 4:45  | 12.57  | 48.86  | 31.85        | 9.57    | 7.87 | 6.9               | 3.00            | 109.8 |
| 655      | 5/20/2011 5:00  | 12.57  | 48.95  | 31.92        | 9.58    | 7.88 | 7.9               | 2.86            | 109.9 |
| 656      | 5/20/2011 5:15  | 12.56  | 48.54  | 31.62        | 9.56    | 7.87 | 7.6               | 2.73            | 109.4 |
| 657      | 5/20/2011 5:30  | 13.37  | 48.51  | 31.63        | 9.34    | 7.87 | 10.1              | 2.58            | 108.8 |
| 658      | 5/20/2011 5:45  | 13.40  | 48.67  | 31.75        | 9.20    | 7.85 | 9.8               | 2.44            | 107.3 |
| 659      | 5/20/2011 6:00  | 13.64  | 48.55  | 31.67        | 9.11    | 7.85 | 10.5              | 2.29            | 106.7 |
| 660      | 5/20/2011 6:15  | 13.73  | 48.00  | 31.27        | 9.04    | 7.85 | 11.2              | 2.12            | 105.8 |
| 661      | 5/20/2011 6:30  | 14.35  | 48.26  | 31.48        | 8.84    | 7.83 | 15.9              | 1.98            | 105.0 |
| 662      | 5/20/2011 6:45  | 14.46  | 47.77  | 31.13        | 8.78    | 7.84 | 16.7              | 1.83            | 104.3 |
| 663      | 5/20/2011 7:00  | 14.46  | 48.18  | 31.42        | 8.68    | 7.83 | 18.4              | 1.66            | 103.2 |
| 664      | 5/20/2011 7:15  | 14.71  | 47.97  | 31.28        | 8.66    | 7.83 | 19.3              | 1.49            | 103.4 |
| 665      | 5/20/2011 7:30  | 14.89  | 47.62  | 31.03        | 8.62    | 7.83 | 20.1              | 1.35            | 103.2 |
| 666      | 5/20/2011 7:45  | 15.14  | 47.87  | 31.21        | 8.47    | 7.82 | 21.5              | 1.21            | 102.0 |
| 667      | 5/20/2011 8:00  | 15.33  | 47.73  | 31.12        | 8.35    | 7.81 | 20.8              | 1.08            | 100.8 |
| 668      | 5/20/2011 8:15  | 15.47  | 47.47  | 30.93        | 8.25    | 7.81 | 19.3              | 1.00            | 99.9  |
| 669      | 5/20/2011 8:30  | 15.55  | 47.53  | 30.97        | 8.24    | 7.81 | 18.5              | 0.93            | 99.9  |
| 670      | 5/20/2011 8:45  | 15.49  | 47.78  | 31.16        | 8.26    | 7.80 | 16.7              | 0.94            | 100.1 |
| 671      | 5/20/2011 9:00  | 15.46  | 47.60  | 31.02        | 8.35    | 7.81 | 13.2              | 0.98            | 101.1 |
| 672      | 5/20/2011 9:15  | 15.41  | 47.55  | 30.99        | 8.40    | 7.81 | 12.5              | 1.05            | 101.6 |
| 673      | 5/20/2011 9:30  | 15.47  | 47.51  | 30.96        | 8.42    | 7.80 | 12.4              | 1.14            | 102.0 |
| 674      | 5/20/2011 9:45  | 15.43  | 47.55  | 30.98        | 8.46    | 7.81 | 12.9              | 1.22            | 102.4 |
| 675      | 5/20/2011 10:00 | 15.43  | 47.26  | 30.78        | 8.43    | 7.81 | 15.0              | 1.30            | 101.8 |
| 676      | 5/20/2011 10:15 | 15.55  | 47.44  | 30.91        | 8.36    | 7.79 | 12.5              | 1.37            | 101.3 |
| 677      | 5/20/2011 10:30 | 15.79  | 46.60  | 30.30        | 8.39    | 7.79 | 14.0              | 1.43            | 101.8 |
| 678      | 5/20/2011 10:45 | 15.48  | 46.92  | 30.53        | 8.36    | 7.79 | 12.0              | 1.52            | 101.0 |
| 679      | 5/20/2011 11:00 | 15.50  | 46.85  | 30.48        | 8.31    | 7.79 | 12.5              | 1.60            | 100.4 |
| 680      | 5/20/2011 11:15 | 15.14  | 47.34  | 30.83        | 8.25    | 7.79 | 12.3              | 1.68            | 99.1  |
| 681      | 5/20/2011 11:30 | 15.09  | 47.37  | 30.85        | 8.33    | 7.79 | 10.3              | 1.79            | 100.0 |
| 682      | 5/20/2011 11:45 | 14.94  | 47.53  | 30.96        | 8.60    | 7.81 | 9.5               | 1.89            | 103.0 |
| 683      | 5/20/2011 12:00 | 14.36  | 48.28  | 31.49        | 8.81    | 7.82 | 9.5               | 2.01            | 104.6 |
| 684      | 5/20/2011 12:15 | 14.38  | 47.85  | 31.18        | 8.93    | 7.83 | 8.1               | 2.12            | 105.8 |
| 685      | 5/20/2011 12:30 | 14.42  | 48.06  | 31.34        | 9.09    | 7.84 | 9.5               | 2.24            | 108.0 |
| 686      | 5/20/2011 12:45 | 14.40  | 47.95  | 31.26        | 9.23    | 7.85 | 10.3              | 2.35            | 109.5 |
| 687      | 5/20/2011 13:00 | 14.31  | 48.00  | 31.29        | 9.30    | 7.86 | 11.9              | 2.45            | 110.2 |
| 688      | 5/20/2011 13:15 | 14.11  | 48.05  | 31.32        | 9.31    | 7.86 | 10.7              | 2.56            | 109.8 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 689      | 5/20/2011 13:30 | 13.97  | 48.47  | 31.62        | 9.31    | 7.86 | 10.9              | 2.66            | 109.8 |
| 690      | 5/20/2011 13:45 | 13.77  | 48.09  | 31.34        | 9.55    | 7.87 | 13.8              | 2.75            | 111.9 |
| 691      | 5/20/2011 14:00 | 13.51  | 48.19  | 31.40        | 9.70    | 7.87 | 15.0              | 2.83            | 113.1 |
| 692      | 5/20/2011 14:15 | 13.33  | 48.27  | 31.45        | 9.72    | 7.88 | 13.6              | 2.92            | 113.0 |
| 693      | 5/20/2011 14:30 | 12.64  | 48.67  | 31.72        | 9.85    | 7.88 | 13.4              | 2.99            | 113.1 |
| 694      | 5/20/2011 14:45 | 12.39  | 48.72  | 31.75        | 9.91    | 7.88 | 12.8              | 3.07            | 113.1 |
| 695      | 5/20/2011 15:00 | 12.32  | 48.79  | 31.79        | 9.90    | 7.88 | 9.9               | 3.13            | 112.9 |
| 696      | 5/20/2011 15:15 | 12.30  | 48.77  | 31.78        | 9.90    | 7.89 | 10.0              | 3.20            | 112.9 |
| 697      | 5/20/2011 15:30 | 12.29  | 48.77  | 31.77        | 9.91    | 7.89 | 7.1               | 3.25            | 113.0 |
| 698      | 5/20/2011 15:45 | 12.21  | 49.28  | 32.14        | 9.90    | 7.89 | 4.9               | 3.28            | 112.9 |
| 699      | 5/20/2011 16:00 | 12.19  | 48.83  | 31.81        | 9.84    | 7.89 | 4.1               | 3.31            | 112.0 |
| 700      | 5/20/2011 16:15 | 12.40  | 48.72  | 31.74        | 9.82    | 7.88 | 5.6               | 3.31            | 112.1 |
| 701      | 5/20/2011 16:30 | 12.23  | 48.81  | 31.81        | 9.67    | 7.87 | 6.0               | 3.29            | 110.1 |
| 702      | 5/20/2011 16:45 | 12.28  | 48.82  | 31.81        | 9.75    | 7.88 | 6.8               | 3.26            | 111.2 |
| 703      | 5/20/2011 17:00 | 12.56  | 48.85  | 31.84        | 9.80    | 7.90 | 5.9               | 3.20            | 112.4 |
| 704      | 5/20/2011 17:15 | 12.96  | 48.74  | 31.78        | 10.23   | 7.93 | 8.3               | 3.12            | 118.3 |
| 705      | 5/20/2011 17:30 | 12.94  | 48.67  | 31.73        | 10.21   | 7.93 | 8.1               | 3.05            | 118.0 |
| 706      | 5/20/2011 17:45 | 12.93  | 48.77  | 31.80        | 10.28   | 7.93 | 7.7               | 2.96            | 118.7 |
| 707      | 5/20/2011 18:00 | 13.17  | 48.55  | 31.65        | 10.29   | 7.94 | 7.1               | 2.89            | 119.3 |
| 708      | 5/20/2011 18:15 | 13.47  | 48.37  | 31.53        | 10.34   | 7.95 | 7.6               | 2.80            | 120.6 |
| 709      | 5/20/2011 18:30 | 13.52  | 48.50  | 31.63        | 10.39   | 7.95 | 7.8               | 2.73            | 121.4 |
| 710      | 5/20/2011 18:45 | 13.73  | 48.40  | 31.56        | 10.45   | 7.96 | 6.9               | 2.65            | 122.6 |
| 711      | 5/20/2011 19:00 | 14.46  | 48.14  | 31.39        | 10.15   | 7.95 | 9.1               | 2.58            | 120.7 |
| 712      | 5/20/2011 19:15 | 14.40  | 48.59  | 31.72        | 10.23   | 7.96 | 8.3               | 2.52            | 121.7 |
| 713      | 5/20/2011 19:30 | 14.74  | 48.01  | 31.31        | 10.05   | 7.94 | 10.9              | 2.45            | 120.2 |
| 714      | 5/20/2011 19:45 | 15.00  | 47.83  | 31.18        | 9.88    | 7.94 | 10.6              | 2.40            | 118.6 |
| 715      | 5/20/2011 20:00 | 15.12  | 47.76  | 31.13        | 9.83    | 7.93 | 10.8              | 2.36            | 118.3 |
| 716      | 5/20/2011 20:15 | 15.29  | 47.69  | 31.09        | 9.71    | 7.93 | 10.6              | 2.32            | 117.2 |
| 717      | 5/20/2011 20:30 | 15.37  | 47.70  | 31.09        | 9.59    | 7.92 | 9.6               | 2.29            | 116.0 |
| 718      | 5/20/2011 20:45 | 15.43  | 47.68  | 31.08        | 9.56    | 7.91 | 9.5               | 2.30            | 115.7 |
| 719      | 5/20/2011 21:00 | 15.23  | 48.19  | 31.45        | 9.47    | 7.91 | 8.7               | 2.29            | 114.4 |
| 720      | 5/20/2011 21:15 | 15.12  | 48.23  | 31.47        | 9.50    | 7.90 | 9.0               | 2.30            | 114.5 |
| 721      | 5/20/2011 21:30 | 15.24  | 48.14  | 31.42        | 9.59    | 7.91 | 8.2               | 2.36            | 115.9 |
| 722      | 5/20/2011 21:45 | 15.19  | 48.18  | 31.44        | 9.53    | 7.90 | 9.4               | 2.39            | 115.0 |
| 723      | 5/20/2011 22:00 | 15.02  | 47.86  | 31.20        | 9.48    | 7.89 | 10.2              | 2.45            | 113.9 |
| 724      | 5/20/2011 22:15 | 15.09  | 48.06  | 31.35        | 9.56    | 7.90 | 9.5               | 2.51            | 115.1 |
| 725      | 5/20/2011 22:30 | 15.01  | 47.85  | 31.20        | 9.49    | 7.89 | 8.3               | 2.59            | 113.9 |
| 726      | 5/20/2011 22:45 | 14.75  | 47.95  | 31.26        | 9.55    | 7.89 | 7.6               | 2.65            | 114.2 |
| 727      | 5/20/2011 23:00 | 14.40  | 48.31  | 31.52        | 9.66    | 7.89 | 7.0               | 2.73            | 114.8 |
| 728      | 5/20/2011 23:15 | 13.92  | 48.69  | 31.78        | 9.66    | 7.89 | 6.3               | 2.80            | 114.0 |
| 729      | 5/20/2011 23:30 | 13.73  | 48.28  | 31.47        | 9.66    | 7.89 | 8.0               | 2.87            | 113.2 |
| 730      | 5/20/2011 23:45 | 13.22  | 48.54  | 31.64        | 9.64    | 7.88 | 6.6               | 2.95            | 111.9 |
| 731      | 5/21/2011 0:00  | 13.04  | 48.60  | 31.68        | 9.64    | 7.88 | 6.5               | 3.02            | 111.6 |
| 732      | 5/21/2011 0:15  | 12.95  | 48.68  | 31.74        | 9.63    | 7.88 | 6.1               | 3.10            | 111.3 |
| 733      | 5/21/2011 0:30  | 12.64  | 48.68  | 31.73        | 9.67    | 7.87 | 6.3               | 3.19            | 111.0 |
| 734      | 5/21/2011 0:45  | 12.33  | 48.86  | 31.84        | 9.72    | 7.87 | 6.6               | 3.27            | 110.9 |
| 735      | 5/21/2011 1:00  | 12.01  | 48.90  | 31.86        | 9.73    | 7.86 | 6.4               | 3.35            | 110.3 |
| 736      | 5/21/2011 1:15  | 11.70  | 49.02  | 31.93        | 9.69    | 7.85 | 6.3               | 3.42            | 109.2 |
| 737      | 5/21/2011 1:30  | 11.54  | 49.11  | 31.99        | 9.63    | 7.85 | 4.9               | 3.49            | 108.2 |
| 738      | 5/21/2011 1:45  | 11.37  | 49.23  | 32.07        | 9.58    | 7.85 | 4.2               | 3.56            | 107.3 |
| 739      | 5/21/2011 2:00  | 11.27  | 49.21  | 32.04        | 9.51    | 7.84 | 3.8               | 3.62            | 106.3 |
| 740      | 5/21/2011 2:15  | 11.16  | 49.17  | 32.01        | 9.47    | 7.84 | 3.1               | 3.67            | 105.6 |
| 741      | 5/21/2011 2:30  | 10.95  | 49.33  | 32.12        | 9.33    | 7.83 | 2.9               | 3.71            | 103.6 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 742      | 5/21/2011 2:45  | 10.85  | 49.88  | 32.51        | 9.23    | 7.82 | 50.3              | 3.73            | 102.5 |
| 743      | 5/21/2011 3:00  | 11.26  | 49.73  | 32.42        | 9.20    | 7.83 | 3.0               | 3.73            | 103.0 |
| 744      | 5/21/2011 3:15  | 10.85  | 49.88  | 32.51        | 9.02    | 7.81 | 3.1               | 3.72            | 100.2 |
| 745      | 5/21/2011 3:30  | 10.98  | 49.82  | 32.47        | 9.11    | 7.82 | 3.7               | 3.68            | 101.5 |
| 746      | 5/21/2011 3:45  | 11.27  | 49.71  | 32.41        | 9.14    | 7.83 | 3.4               | 3.62            | 102.3 |
| 747      | 5/21/2011 4:00  | 11.98  | 48.89  | 31.85        | 9.31    | 7.86 | 5.9               | 3.55            | 105.5 |
| 748      | 5/21/2011 4:15  | 11.69  | 49.52  | 32.29        | 9.30    | 7.85 | 5.9               | 3.45            | 105.1 |
| 749      | 5/21/2011 4:30  | 11.98  | 48.91  | 31.86        | 9.25    | 7.85 | 4.9               | 3.35            | 104.8 |
| 750      | 5/21/2011 4:45  | 12.53  | 48.68  | 31.72        | 9.18    | 7.86 | 6.8               | 3.25            | 105.2 |
| 751      | 5/21/2011 5:00  | 12.70  | 48.69  | 31.73        | 9.14    | 7.86 | 6.2               | 3.14            | 105.1 |
| 752      | 5/21/2011 5:15  | 12.74  | 48.60  | 31.67        | 9.13    | 7.85 | 7.2               | 3.02            | 104.9 |
| 753      | 5/21/2011 5:30  | 12.92  | 48.77  | 31.80        | 9.09    | 7.85 | 8.2               | 2.91            | 105.0 |
| 754      | 5/21/2011 5:45  | 13.01  | 48.59  | 31.68        | 8.98    | 7.85 | 9.6               | 2.79            | 103.9 |
| 755      | 5/21/2011 6:00  | 13.32  | 48.39  | 31.54        | 8.86    | 7.85 | 9.0               | 2.68            | 103.1 |
| 756      | 5/21/2011 6:15  | 13.82  | 48.15  | 31.39        | 8.82    | 7.85 | 9.4               | 2.55            | 103.5 |
| 757      | 5/21/2011 6:30  | 13.77  | 48.17  | 31.40        | 8.75    | 7.84 | 13.3              | 2.40            | 102.6 |
| 758      | 5/21/2011 6:45  | 13.69  | 48.21  | 31.42        | 8.80    | 7.84 | 12.5              | 2.28            | 103.1 |
| 759      | 5/21/2011 7:00  | 13.65  | 48.37  | 31.54        | 8.70    | 7.84 | 11.8              | 2.13            | 101.9 |
| 760      | 5/21/2011 7:15  | 13.82  | 48.15  | 31.39        | 8.64    | 7.84 | 13.2              | 1.98            | 101.5 |
| 761      | 5/21/2011 7:30  | 14.32  | 48.22  | 31.45        | 8.48    | 7.84 | 22.1              | 1.84            | 100.7 |
| 762      | 5/21/2011 7:45  | 14.62  | 48.03  | 31.32        | 8.42    | 7.84 | 19.2              | 1.71            | 100.4 |
| 763      | 5/21/2011 8:00  | 14.89  | 47.76  | 31.13        | 8.35    | 7.84 | 21.2              | 1.56            | 100.0 |
| 764      | 5/21/2011 8:15  | 15.01  | 48.18  | 31.44        | 8.33    | 7.84 | 51.6              | 1.42            | 100.1 |
| 765      | 5/21/2011 8:30  | 15.21  | 48.15  | 31.42        | 8.22    | 7.83 | 15.3              | 1.31            | 99.2  |
| 766      | 5/21/2011 8:45  | 15.29  | 48.13  | 31.40        | 8.15    | 7.83 | 14.9              | 1.22            | 98.6  |
| 767      | 5/21/2011 9:00  | 15.49  | 48.08  | 31.37        | 8.07    | 7.82 | 18.4              | 1.13            | 97.9  |
| 768      | 5/21/2011 9:15  | 15.58  | 48.06  | 31.36        | 7.93    | 7.82 | 13.6              | 1.08            | 96.4  |
| 769      | 5/21/2011 9:30  | 15.48  | 48.08  | 31.38        | 8.10    | 7.82 | 14.6              | 1.07            | 98.4  |
| 770      | 5/21/2011 9:45  | 15.34  | 48.12  | 31.40        | 8.18    | 7.82 | 18.6              | 1.11            | 99.0  |
| 771      | 5/21/2011 10:00 | 15.37  | 48.11  | 31.39        | 8.16    | 7.82 | 13.4              | 1.16            | 98.8  |
| 772      | 5/21/2011 10:15 | 15.35  | 48.11  | 31.40        | 8.22    | 7.82 | 12.2              | 1.23            | 99.5  |
| 773      | 5/21/2011 10:30 | 15.48  | 48.11  | 31.40        | 8.35    | 7.84 | 10.1              | 1.31            | 101.4 |
| 774      | 5/21/2011 10:45 | 15.32  | 47.69  | 31.08        | 8.27    | 7.82 | 11.1              | 1.38            | 99.8  |
| 775      | 5/21/2011 11:00 | 15.40  | 47.44  | 30.91        | 8.28    | 7.82 | 10.7              | 1.45            | 100.0 |
| 776      | 5/21/2011 11:15 | 15.34  | 47.45  | 30.91        | 8.19    | 7.82 | 11.4              | 1.51            | 98.9  |
| 777      | 5/21/2011 11:30 | 15.56  | 47.23  | 30.75        | 8.28    | 7.82 | 10.1              | 1.58            | 100.3 |
| 778      | 5/21/2011 11:45 | 15.24  | 47.45  | 30.91        | 8.18    | 7.81 | 10.9              | 1.68            | 98.5  |
| 779      | 5/21/2011 12:00 | 15.35  | 47.22  | 30.75        | 8.12    | 7.81 | 9.6               | 1.74            | 97.9  |
| 780      | 5/21/2011 12:15 | 15.41  | 47.20  | 30.73        | 8.27    | 7.82 | 9.0               | 1.83            | 99.8  |
| 781      | 5/21/2011 12:30 | 14.87  | 47.72  | 31.10        | 8.21    | 7.81 | 7.9               | 1.94            | 98.3  |
| 782      | 5/21/2011 12:45 | 14.57  | 47.77  | 31.13        | 8.40    | 7.82 | 8.4               | 2.04            | 100.0 |
| 783      | 5/21/2011 13:00 | 14.52  | 47.87  | 31.20        | 8.65    | 7.84 | 9.3               | 2.14            | 102.8 |
| 784      | 5/21/2011 13:15 | 14.40  | 47.96  | 31.26        | 8.74    | 7.84 | 8.0               | 2.25            | 103.8 |
| 785      | 5/21/2011 13:30 | 14.32  | 47.98  | 31.28        | 8.87    | 7.85 | 8.7               | 2.35            | 105.1 |
| 786      | 5/21/2011 13:45 | 14.32  | 48.04  | 31.32        | 8.93    | 7.85 | 8.1               | 2.45            | 105.9 |
| 787      | 5/21/2011 14:00 | 14.10  | 48.11  | 31.36        | 8.88    | 7.85 | 9.3               | 2.55            | 104.8 |
| 788      | 5/21/2011 14:15 | 13.98  | 48.15  | 31.39        | 8.93    | 7.85 | 8.9               | 2.65            | 105.2 |
| 789      | 5/21/2011 14:30 | 13.93  | 48.16  | 31.39        | 9.04    | 7.85 | 9.9               | 2.74            | 106.4 |
| 790      | 5/21/2011 14:45 | 13.80  | 48.16  | 31.39        | 9.24    | 7.87 | 11.0              | 2.81            | 108.4 |
| 791      | 5/21/2011 15:00 | 13.61  | 48.30  | 31.49        | 9.40    | 7.87 | 10.0              | 2.89            | 110.0 |
| 792      | 5/21/2011 15:15 | 13.33  | 48.47  | 31.60        | 9.48    | 7.87 | 9.3               | 2.98            | 110.3 |
| 793      | 5/21/2011 15:30 | 12.92  | 48.67  | 31.73        | 9.59    | 7.87 | 8.7               | 3.04            | 110.7 |
| 794      | 5/21/2011 15:45 | 12.61  | 48.81  | 31.82        | 9.80    | 7.88 | 6.3               | 3.10            | 112.5 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 795      | 5/21/2011 16:00 | 12.49  | 48.87  | 31.86        | 9.91    | 7.88 | 5.4        | 3.16   | 113.5 |
| 796      | 5/21/2011 16:15 | 12.47  | 48.86  | 31.85        | 9.90    | 7.89 | 4.5        | 3.20   | 113.4 |
| 797      | 5/21/2011 16:30 | 12.46  | 49.35  | 32.21        | 9.93    | 7.90 | 4.2        | 3.24   | 113.8 |
| 798      | 5/21/2011 16:45 | 12.44  | 49.41  | 32.25        | 9.91    | 7.89 | 3.7        | 3.27   | 113.6 |
| 799      | 5/21/2011 17:00 | 12.63  | 48.88  | 31.87        | 9.77    | 7.88 | 4.0        | 3.27   | 112.2 |
| 800      | 5/21/2011 17:15 | 12.45  | 48.91  | 31.88        | 9.77    | 7.88 | 4.1        | 3.26   | 111.8 |
| 801      | 5/21/2011 17:30 | 12.50  | 48.88  | 31.86        | 9.75    | 7.88 | 4.3        | 3.24   | 111.7 |
| 802      | 5/21/2011 17:45 | 13.01  | 48.75  | 31.79        | 9.76    | 7.91 | 6.2        | 3.18   | 113.0 |
| 803      | 5/21/2011 18:00 | 13.26  | 48.71  | 31.77        | 10.04   | 7.93 | 8.4        | 3.11   | 116.8 |
| 804      | 5/21/2011 18:15 | 13.37  | 48.64  | 31.72        | 9.99    | 7.92 | 9.6        | 3.05   | 116.4 |
| 805      | 5/21/2011 18:30 | 13.36  | 48.75  | 31.80        | 10.04   | 7.92 | 9.2        | 2.98   | 117.0 |
| 806      | 5/21/2011 18:45 | 13.33  | 48.73  | 31.79        | 10.02   | 7.93 | 8.5        | 2.89   | 116.7 |
| 807      | 5/21/2011 19:00 | 13.55  | 48.57  | 31.68        | 9.91    | 7.93 | 9.3        | 2.82   | 115.9 |
| 808      | 5/21/2011 19:15 | 13.79  | 48.57  | 31.69        | 9.79    | 7.93 | 10.6       | 2.76   | 115.0 |
| 809      | 5/21/2011 19:30 | 14.27  | 48.37  | 31.55        | 9.54    | 7.93 | 10.6       | 2.70   | 113.1 |
| 810      | 5/21/2011 19:45 | 14.52  | 48.25  | 31.48        | 9.36    | 7.91 | 12.1       | 2.63   | 111.4 |
| 811      | 5/21/2011 20:00 | 14.37  | 48.38  | 31.57        | 9.25    | 7.91 | 12.2       | 2.57   | 110.0 |
| 812      | 5/21/2011 20:15 | 14.62  | 48.17  | 31.42        | 9.05    | 7.90 | 13.4       | 2.53   | 108.0 |
| 813      | 5/21/2011 20:30 | 14.96  | 48.47  | 31.65        | 8.84    | 7.88 | 14.2       | 2.48   | 106.4 |
| 814      | 5/21/2011 20:45 | 15.01  | 47.89  | 31.22        | 8.77    | 7.88 | 14.1       | 2.43   | 105.3 |
| 815      | 5/21/2011 21:00 | 15.13  | 47.88  | 31.22        | 8.67    | 7.87 | 14.1       | 2.40   | 104.4 |
| 816      | 5/21/2011 21:15 | 15.15  | 47.88  | 31.22        | 8.58    | 7.86 | 13.0       | 2.38   | 103.3 |
| 817      | 5/21/2011 21:30 | 15.36  | 47.87  | 31.22        | 8.47    | 7.85 | 12.0       | 2.35   | 102.4 |
| 818      | 5/21/2011 21:45 | 15.41  | 47.83  | 31.19        | 8.54    | 7.86 | 11.7       | 2.34   | 103.3 |
| 819      | 5/21/2011 22:00 | 15.29  | 48.31  | 31.54        | 8.18    | 7.84 | 10.9       | 2.34   | 99.0  |
| 820      | 5/21/2011 22:15 | 15.23  | 47.84  | 31.19        | 8.50    | 7.85 | 11.9       | 2.35   | 102.6 |
| 821      | 5/21/2011 22:30 | 15.24  | 47.83  | 31.19        | 8.52    | 7.85 | 10.4       | 2.39   | 102.8 |
| 822      | 5/21/2011 22:45 | 15.45  | 47.82  | 31.18        | 8.46    | 7.85 | 12.1       | 2.42   | 102.5 |
| 823      | 5/21/2011 23:00 | 15.20  | 47.91  | 31.24        | 8.42    | 7.84 | 11.8       | 2.46   | 101.6 |
| 824      | 5/21/2011 23:15 | 15.11  | 48.00  | 31.31        | 8.43    | 7.84 | 11.2       | 2.51   | 101.5 |
| 825      | 5/21/2011 23:30 | 15.46  | 47.94  | 31.27        | 8.58    | 7.86 | 11.6       | 2.58   | 104.0 |
| 826      | 5/21/2011 23:45 | 15.20  | 47.94  | 31.27        | 8.51    | 7.85 | 9.2        | 2.63   | 102.7 |
| 827      | 5/22/2011 0:00  | 15.03  | 48.04  | 31.33        | 8.60    | 7.85 | 8.5        | 2.69   | 103.4 |
| 828      | 5/22/2011 0:15  | 14.61  | 48.25  | 31.48        | 8.80    | 7.86 | 7.3        | 2.76   | 105.0 |
| 829      | 5/22/2011 0:30  | 14.24  | 48.35  | 31.54        | 8.91    | 7.86 | 6.3        | 2.82   | 105.6 |
| 830      | 5/22/2011 0:45  | 13.88  | 48.68  | 31.77        | 9.01    | 7.86 | 7.0        | 2.89   | 106.1 |
| 831      | 5/22/2011 1:00  | 13.41  | 49.07  | 32.04        | 9.12    | 7.85 | 6.2        | 2.96   | 106.6 |
| 832      | 5/22/2011 1:15  | 13.15  | 48.72  | 31.77        | 9.19    | 7.85 | 5.6        | 3.02   | 106.7 |
| 833      | 5/22/2011 1:30  | 13.00  | 49.22  | 32.13        | 9.17    | 7.85 | 5.2        | 3.09   | 106.3 |
| 834      | 5/22/2011 1:45  | 12.79  | 49.28  | 32.17        | 9.16    | 7.85 | 4.9        | 3.16   | 105.8 |
| 835      | 5/22/2011 2:00  | 12.54  | 48.93  | 31.90        | 9.20    | 7.84 | 4.2        | 3.22   | 105.5 |
| 836      | 5/22/2011 2:15  | 12.38  | 49.02  | 31.96        | 9.19    | 7.84 | 4.3        | 3.28   | 105.1 |
| 837      | 5/22/2011 2:30  | 12.32  | 49.05  | 31.98        | 9.21    | 7.85 | 4.5        | 3.34   | 105.2 |
| 838      | 5/22/2011 2:45  | 12.09  | 49.11  | 32.02        | 9.23    | 7.84 | 3.4        | 3.40   | 104.9 |
| 839      | 5/22/2011 3:00  | 11.88  | 49.24  | 32.10        | 9.21    | 7.84 | 3.3        | 3.44   | 104.4 |
| 840      | 5/22/2011 3:15  | 11.79  | 49.22  | 32.08        | 9.20    | 7.84 | 3.5        | 3.47   | 104.0 |
| 841      | 5/22/2011 3:30  | 11.77  | 49.24  | 32.09        | 9.13    | 7.83 | 2.6        | 3.49   | 103.2 |
| 842      | 5/22/2011 3:45  | 11.97  | 49.24  | 32.10        | 9.06    | 7.83 | 3.7        | 3.50   | 102.7 |
| 843      | 5/22/2011 4:00  | 11.82  | 49.23  | 32.09        | 8.90    | 7.82 | 2.6        | 3.50   | 100.6 |
| 844      | 5/22/2011 4:15  | 11.80  | 49.19  | 32.06        | 8.96    | 7.83 | 2.7        | 3.46   | 101.3 |
| 845      | 5/22/2011 4:30  | 11.85  | 49.22  | 32.08        | 8.88    | 7.82 | 3.8        | 3.41   | 100.5 |
| 846      | 5/22/2011 4:45  | 12.40  | 48.91  | 31.88        | 8.87    | 7.84 | 4.8        | 3.36   | 101.5 |
| 847      | 5/22/2011 5:00  | 12.54  | 48.88  | 31.87        | 8.91    | 7.84 | 6.7        | 3.29   | 102.2 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 848      | 5/22/2011 5:15  | 12.50  | 48.91  | 31.89        | 8.92    | 7.84 | 7.7               | 3.20            | 102.2 |
| 849      | 5/22/2011 5:30  | 12.94  | 48.78  | 31.81        | 8.70    | 7.83 | 8.9               | 3.11            | 100.5 |
| 850      | 5/22/2011 5:45  | 13.07  | 48.77  | 31.81        | 8.63    | 7.83 | 9.7               | 3.01            | 100.0 |
| 851      | 5/22/2011 6:00  | 13.32  | 49.03  | 32.01        | 8.51    | 7.83 | 10.4              | 2.93            | 99.2  |
| 852      | 5/22/2011 6:15  | 13.54  | 48.49  | 31.62        | 8.24    | 7.81 | 11.4              | 2.83            | 96.3  |
| 853      | 5/22/2011 6:30  | 13.26  | 48.60  | 31.69        | 8.36    | 7.82 | 11.7              | 2.72            | 97.2  |
| 854      | 5/22/2011 6:45  | 13.31  | 48.54  | 31.65        | 8.34    | 7.83 | 11.2              | 2.60            | 97.1  |
| 855      | 5/22/2011 7:00  | 13.80  | 48.84  | 31.89        | 8.30    | 7.82 | 13.3              | 2.51            | 97.7  |
| 856      | 5/22/2011 7:15  | 13.75  | 48.49  | 31.63        | 8.31    | 7.82 | 16.1              | 2.39            | 97.5  |
| 857      | 5/22/2011 7:30  | 14.07  | 48.23  | 31.45        | 8.23    | 7.82 | 19.3              | 2.26            | 97.1  |
| 858      | 5/22/2011 7:45  | 14.01  | 48.26  | 31.47        | 8.22    | 7.82 | 19.1              | 2.15            | 96.9  |
| 859      | 5/22/2011 8:00  | 13.95  | 48.27  | 31.48        | 8.25    | 7.82 | 18.1              | 2.02            | 97.2  |
| 860      | 5/22/2011 8:15  | 14.10  | 48.14  | 31.39        | 8.20    | 7.82 | 20.2              | 1.90            | 96.8  |
| 861      | 5/22/2011 8:30  | 14.21  | 48.25  | 31.46        | 8.15    | 7.81 | 20.8              | 1.78            | 96.5  |
| 862      | 5/22/2011 8:45  | 14.27  | 48.14  | 31.39        | 8.14    | 7.82 | 20.0              | 1.66            | 96.4  |
| 863      | 5/22/2011 9:00  | 14.40  | 48.17  | 31.41        | 8.09    | 7.81 | 18.5              | 1.55            | 96.1  |
| 864      | 5/22/2011 9:15  | 14.48  | 48.13  | 31.39        | 8.03    | 7.81 | 17.5              | 1.46            | 95.5  |
| 865      | 5/22/2011 9:30  | 14.63  | 48.04  | 31.32        | 7.97    | 7.81 | 17.9              | 1.38            | 95.0  |
| 866      | 5/22/2011 9:45  | 14.70  | 47.96  | 31.27        | 7.88    | 7.81 | 17.0              | 1.31            | 94.1  |
| 867      | 5/22/2011 10:00 | 14.68  | 48.00  | 31.30        | 7.87    | 7.81 | 14.9              | 1.27            | 93.9  |
| 868      | 5/22/2011 10:15 | 14.61  | 48.10  | 31.37        | 8.07    | 7.81 | 13.1              | 1.27            | 96.2  |
| 869      | 5/22/2011 10:30 | 14.86  | 47.97  | 31.28        | 8.01    | 7.81 | 12.8              | 1.27            | 95.9  |
| 870      | 5/22/2011 10:45 | 14.84  | 48.02  | 31.32        | 7.94    | 7.81 | 13.7              | 1.31            | 95.1  |
| 871      | 5/22/2011 11:00 | 14.94  | 47.92  | 31.25        | 7.86    | 7.80 | 13.3              | 1.36            | 94.3  |
| 872      | 5/22/2011 11:15 | 15.23  | 47.83  | 31.19        | 7.68    | 7.79 | 15.9              | 1.42            | 92.6  |
| 873      | 5/22/2011 11:30 | 15.20  | 48.33  | 31.55        | 7.61    | 7.79 | 15.0              | 1.48            | 92.0  |
| 874      | 5/22/2011 11:45 | 15.11  | 47.83  | 31.19        | 7.74    | 7.79 | 14.6              | 1.55            | 93.1  |
| 875      | 5/22/2011 12:00 | 15.17  | 47.89  | 31.23        | 7.72    | 7.79 | 16.1              | 1.62            | 93.0  |
| 876      | 5/22/2011 12:15 | 15.42  | 47.69  | 31.09        | 7.71    | 7.79 | 15.6              | 1.68            | 93.3  |
| 877      | 5/22/2011 12:30 | 15.30  | 47.83  | 31.19        | 7.68    | 7.79 | 14.0              | 1.76            | 92.8  |
| 878      | 5/22/2011 12:45 | 15.14  | 47.79  | 31.16        | 7.56    | 7.78 | 12.3              | 1.84            | 91.1  |
| 879      | 5/22/2011 13:00 | 15.07  | 47.86  | 31.20        | 7.60    | 7.78 | 12.5              | 1.92            | 91.4  |
| 880      | 5/22/2011 13:15 | 14.84  | 47.96  | 31.27        | 7.72    | 7.79 | 11.6              | 2.00            | 92.4  |
| 881      | 5/22/2011 13:30 | 14.63  | 48.07  | 31.35        | 7.81    | 7.79 | 10.3              | 2.11            | 93.2  |
| 882      | 5/22/2011 13:45 | 14.42  | 48.13  | 31.38        | 7.89    | 7.80 | 9.4               | 2.20            | 93.7  |
| 883      | 5/22/2011 14:00 | 14.32  | 48.18  | 31.42        | 8.05    | 7.80 | 9.8               | 2.28            | 95.5  |
| 884      | 5/22/2011 14:15 | 14.24  | 48.25  | 31.47        | 8.22    | 7.82 | 9.5               | 2.38            | 97.3  |
| 885      | 5/22/2011 14:30 | 14.25  | 48.37  | 31.55        | 8.39    | 7.83 | 9.8               | 2.47            | 99.4  |
| 886      | 5/22/2011 14:45 | 14.17  | 48.32  | 31.52        | 8.38    | 7.82 | 11.2              | 2.56            | 99.2  |
| 887      | 5/22/2011 15:00 | 14.00  | 48.36  | 31.54        | 8.41    | 7.82 | 12.9              | 2.63            | 99.2  |
| 888      | 5/22/2011 15:15 | 13.89  | 48.48  | 31.63        | 8.45    | 7.82 | 10.8              | 2.72            | 99.4  |
| 889      | 5/22/2011 15:30 | 13.80  | 48.49  | 31.63        | 8.47    | 7.82 | 12.1              | 2.80            | 99.5  |
| 890      | 5/22/2011 15:45 | 13.69  | 48.46  | 31.60        | 8.62    | 7.83 | 12.6              | 2.86            | 101.1 |
| 891      | 5/22/2011 16:00 | 13.56  | 48.47  | 31.61        | 8.79    | 7.84 | 10.7              | 2.93            | 102.8 |
| 892      | 5/22/2011 16:15 | 13.32  | 48.57  | 31.67        | 8.90    | 7.84 | 10.5              | 3.00            | 103.6 |
| 893      | 5/22/2011 16:30 | 12.99  | 48.69  | 31.75        | 9.05    | 7.84 | 9.3               | 3.06            | 104.7 |
| 894      | 5/22/2011 16:45 | 12.72  | 48.84  | 31.85        | 9.26    | 7.85 | 7.1               | 3.12            | 106.6 |
| 895      | 5/22/2011 17:00 | 12.64  | 48.89  | 31.88        | 9.31    | 7.85 | 4.7               | 3.16            | 106.9 |
| 896      | 5/22/2011 17:15 | 12.57  | 48.93  | 31.90        | 9.44    | 7.86 | 5.4               | 3.20            | 108.4 |
| 897      | 5/22/2011 17:30 | 12.52  | 49.08  | 32.01        | 9.41    | 7.86 | 4.7               | 3.23            | 107.9 |
| 898      | 5/22/2011 17:45 | 12.91  | 49.27  | 32.17        | 9.31    | 7.86 | 5.1               | 3.23            | 107.8 |
| 899      | 5/22/2011 18:00 | 12.57  | 49.00  | 31.96        | 9.22    | 7.85 | 4.5               | 3.23            | 105.8 |
| 900      | 5/22/2011 18:15 | 12.56  | 49.44  | 32.27        | 9.24    | 7.85 | 3.3               | 3.22            | 106.2 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 901      | 5/22/2011 18:30 | 12.60  | 48.93  | 31.90        | 9.20    | 7.85 | 4.9               | 3.17            | 105.6 |
| 902      | 5/22/2011 18:45 | 13.64  | 48.66  | 31.75        | 9.41    | 7.89 | 9.6               | 3.12            | 110.3 |
| 903      | 5/22/2011 19:00 | 13.61  | 48.71  | 31.78        | 9.43    | 7.89 | 8.3               | 3.06            | 110.5 |
| 904      | 5/22/2011 19:15 | 13.56  | 48.69  | 31.77        | 9.44    | 7.89 | 8.9               | 3.00            | 110.5 |
| 905      | 5/22/2011 19:30 | 13.55  | 48.64  | 31.73        | 9.50    | 7.90 | 8.9               | 2.93            | 111.2 |
| 906      | 5/22/2011 19:45 | 13.49  | 48.61  | 31.70        | 9.48    | 7.90 | 8.9               | 2.86            | 110.7 |
| 907      | 5/22/2011 20:00 | 13.48  | 48.72  | 31.78        | 9.43    | 7.90 | 10.6              | 2.79            | 110.2 |
| 908      | 5/22/2011 20:15 | 13.86  | 48.45  | 31.60        | 9.25    | 7.89 | 12.1              | 2.72            | 108.8 |
| 909      | 5/22/2011 20:30 | 13.87  | 48.56  | 31.68        | 9.19    | 7.90 | 11.0              | 2.67            | 108.2 |
| 910      | 5/22/2011 20:45 | 14.05  | 48.41  | 31.58        | 9.02    | 7.88 | 12.2              | 2.60            | 106.5 |
| 911      | 5/22/2011 21:00 | 13.87  | 48.43  | 31.59        | 8.94    | 7.88 | 10.2              | 2.55            | 105.2 |
| 912      | 5/22/2011 21:15 | 14.39  | 48.42  | 31.59        | 8.74    | 7.87 | 12.9              | 2.49            | 103.9 |
| 913      | 5/22/2011 21:30 | 14.39  | 48.27  | 31.48        | 8.57    | 7.85 | 13.2              | 2.44            | 101.9 |
| 914      | 5/22/2011 21:45 | 14.70  | 48.08  | 31.36        | 8.40    | 7.84 | 15.0              | 2.41            | 100.4 |
| 915      | 5/22/2011 22:00 | 14.76  | 48.15  | 31.41        | 8.34    | 7.84 | 14.0              | 2.36            | 99.8  |
| 916      | 5/22/2011 22:15 | 14.99  | 47.98  | 31.29        | 8.24    | 7.83 | 14.7              | 2.34            | 99.0  |
| 917      | 5/22/2011 22:30 | 14.92  | 48.01  | 31.31        | 8.24    | 7.83 | 13.2              | 2.33            | 98.9  |
| 918      | 5/22/2011 22:45 | 15.13  | 47.97  | 31.28        | 8.22    | 7.83 | 13.5              | 2.33            | 99.0  |
| 919      | 5/22/2011 23:00 | 15.12  | 48.03  | 31.33        | 7.91    | 7.82 | 12.1              | 2.32            | 95.3  |
| 920      | 5/22/2011 23:15 | 15.01  | 48.47  | 31.65        | 8.10    | 7.82 | 11.5              | 2.33            | 97.6  |
| 921      | 5/22/2011 23:30 | 14.94  | 48.09  | 31.37        | 8.18    | 7.82 | 13.7              | 2.36            | 98.3  |
| 922      | 5/22/2011 23:45 | 14.92  | 48.49  | 31.66        | 8.16    | 7.82 | 10.7              | 2.38            | 98.0  |
| 923      | 5/23/2011 0:00  | 14.86  | 48.12  | 31.39        | 8.13    | 7.82 | 9.8               | 2.42            | 97.5  |
| 924      | 5/23/2011 0:15  | 14.73  | 48.18  | 31.43        | 8.02    | 7.81 | 9.3               | 2.46            | 95.9  |
| 925      | 5/23/2011 0:30  | 14.87  | 48.05  | 31.34        | 8.16    | 7.82 | 10.6              | 2.51            | 97.8  |
| 926      | 5/23/2011 0:45  | 14.85  | 48.08  | 31.36        | 8.19    | 7.82 | 9.6               | 2.57            | 98.2  |
| 927      | 5/23/2011 1:00  | 14.78  | 48.58  | 31.72        | 8.16    | 7.82 | 8.7               | 2.61            | 97.9  |
| 928      | 5/23/2011 1:15  | 14.72  | 48.18  | 31.43        | 8.25    | 7.83 | 8.4               | 2.68            | 98.7  |
| 929      | 5/23/2011 1:30  | 14.37  | 48.41  | 31.59        | 8.37    | 7.83 | 7.7               | 2.74            | 99.5  |
| 930      | 5/23/2011 1:45  | 14.15  | 48.40  | 31.57        | 8.45    | 7.83 | 6.5               | 2.79            | 100.0 |
| 931      | 5/23/2011 2:00  | 13.82  | 48.57  | 31.69        | 8.56    | 7.83 | 6.1               | 2.84            | 100.6 |
| 932      | 5/23/2011 2:15  | 13.45  | 48.69  | 31.77        | 8.66    | 7.83 | 5.7               | 2.90            | 101.1 |
| 933      | 5/23/2011 2:30  | 13.17  | 48.83  | 31.85        | 8.73    | 7.82 | 5.5               | 2.95            | 101.4 |
| 934      | 5/23/2011 2:45  | 13.11  | 48.78  | 31.82        | 8.75    | 7.83 | 5.3               | 3.00            | 101.5 |
| 935      | 5/23/2011 3:00  | 12.86  | 49.34  | 32.21        | 8.78    | 7.82 | 4.6               | 3.06            | 101.5 |
| 936      | 5/23/2011 3:15  | 12.65  | 48.91  | 31.89        | 8.78    | 7.81 | 4.1               | 3.10            | 100.9 |
| 937      | 5/23/2011 3:30  | 12.50  | 49.06  | 32.00        | 8.78    | 7.81 | 4.1               | 3.16            | 100.6 |
| 938      | 5/23/2011 3:45  | 12.43  | 49.17  | 32.07        | 8.76    | 7.81 | 4.0               | 3.19            | 100.3 |
| 939      | 5/23/2011 4:00  | 12.35  | 49.06  | 31.99        | 8.78    | 7.81 | 3.0               | 3.22            | 100.3 |
| 940      | 5/23/2011 4:15  | 12.32  | 49.02  | 31.96        | 8.73    | 7.81 | 2.9               | 3.26            | 99.7  |
| 941      | 5/23/2011 4:30  | 12.29  | 49.55  | 32.34        | 8.66    | 7.80 | 2.7               | 3.27            | 99.1  |
| 942      | 5/23/2011 4:45  | 12.35  | 49.06  | 31.99        | 8.53    | 7.80 | 3.8               | 3.26            | 97.5  |
| 943      | 5/23/2011 5:00  | 12.30  | 49.05  | 31.98        | 8.53    | 7.79 | 3.6               | 3.25            | 97.4  |
| 944      | 5/23/2011 5:15  | 12.33  | 49.51  | 32.32        | 8.53    | 7.80 | 3.6               | 3.24            | 97.7  |
| 945      | 5/23/2011 5:30  | 12.43  | 49.05  | 31.99        | 8.50    | 7.80 | 5.2               | 3.18            | 97.3  |
| 946      | 5/23/2011 5:45  | 12.77  | 48.83  | 31.84        | 8.45    | 7.81 | 5.7               | 3.11            | 97.4  |
| 947      | 5/23/2011 6:00  | 12.98  | 48.81  | 31.83        | 8.42    | 7.82 | 8.0               | 3.05            | 97.5  |
| 948      | 5/23/2011 6:15  | 12.93  | 48.71  | 31.76        | 8.49    | 7.82 | 7.9               | 2.98            | 98.0  |
| 949      | 5/23/2011 6:30  | 12.87  | 48.82  | 31.84        | 8.51    | 7.82 | 6.8               | 2.91            | 98.2  |
| 950      | 5/23/2011 6:45  | 12.98  | 48.74  | 31.79        | 8.45    | 7.82 | 7.6               | 2.81            | 97.7  |
| 951      | 5/23/2011 7:00  | 13.33  | 48.65  | 31.73        | 8.21    | 7.81 | 9.7               | 2.73            | 95.6  |
| 952      | 5/23/2011 7:15  | 13.15  | 48.65  | 31.72        | 8.27    | 7.81 | 7.2               | 2.66            | 96.0  |
| 953      | 5/23/2011 7:30  | 13.04  | 48.75  | 31.79        | 8.30    | 7.81 | 7.2               | 2.55            | 96.1  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 954      | 5/23/2011 7:45  | 13.75  | 48.43  | 31.59        | 8.05    | 7.80 | 11.3              | 2.45            | 94.4  |
| 955      | 5/23/2011 8:00  | 13.95  | 48.45  | 31.60        | 8.04    | 7.80 | 11.8              | 2.37            | 94.7  |
| 956      | 5/23/2011 8:15  | 13.64  | 48.99  | 31.98        | 8.31    | 7.82 | 9.2               | 2.26            | 97.5  |
| 957      | 5/23/2011 8:30  | 14.00  | 48.36  | 31.54        | 8.23    | 7.81 | 11.4              | 2.16            | 97.0  |
| 958      | 5/23/2011 8:45  | 14.14  | 48.25  | 31.46        | 8.18    | 7.81 | 12.0              | 2.03            | 96.7  |
| 959      | 5/23/2011 9:00  | 14.04  | 48.47  | 31.62        | 8.30    | 7.82 | 12.3              | 1.94            | 98.0  |
| 960      | 5/23/2011 9:15  | 14.23  | 48.24  | 31.46        | 8.23    | 7.82 | 11.6              | 1.87            | 97.5  |
| 961      | 5/23/2011 9:30  | 14.26  | 48.44  | 31.61        | 8.25    | 7.82 | 10.9              | 1.76            | 97.9  |
| 962      | 5/23/2011 9:45  | 14.32  | 48.65  | 31.76        | 8.25    | 7.82 | 10.6              | 1.67            | 98.0  |
| 963      | 5/23/2011 10:00 | 14.44  | 48.30  | 31.51        | 8.11    | 7.81 | 11.8              | 1.61            | 96.5  |
| 964      | 5/23/2011 10:15 | 14.46  | 48.18  | 31.43        | 8.17    | 7.81 | 10.9              | 1.55            | 97.1  |
| 965      | 5/23/2011 10:30 | 14.51  | 48.37  | 31.56        | 8.12    | 7.81 | 10.0              | 1.50            | 96.8  |
| 966      | 5/23/2011 10:45 | 14.59  | 48.16  | 31.41        | 8.08    | 7.81 | 9.5               | 1.48            | 96.4  |
| 967      | 5/23/2011 11:00 | 14.62  | 48.26  | 31.49        | 8.02    | 7.81 | 9.0               | 1.47            | 95.7  |
| 968      | 5/23/2011 11:15 | 14.60  | 48.64  | 31.76        | 8.12    | 7.82 | 8.8               | 1.47            | 97.0  |
| 969      | 5/23/2011 11:30 | 14.76  | 48.55  | 31.70        | 8.04    | 7.81 | 11.4              | 1.48            | 96.3  |
| 970      | 5/23/2011 11:45 | 14.82  | 48.53  | 31.69        | 8.06    | 7.81 | 10.3              | 1.52            | 96.7  |
| 971      | 5/23/2011 12:00 | 14.77  | 48.10  | 31.37        | 8.14    | 7.81 | 9.3               | 1.55            | 97.4  |
| 972      | 5/23/2011 12:15 | 14.79  | 48.11  | 31.38        | 8.03    | 7.80 | 8.4               | 1.59            | 96.2  |
| 973      | 5/23/2011 12:30 | 14.79  | 48.11  | 31.38        | 7.95    | 7.80 | 9.8               | 1.66            | 95.2  |
| 974      | 5/23/2011 12:45 | 14.72  | 48.57  | 31.71        | 7.86    | 7.79 | 9.7               | 1.73            | 94.2  |
| 975      | 5/23/2011 13:00 | 14.86  | 48.46  | 31.64        | 7.88    | 7.79 | 10.4              | 1.79            | 94.6  |
| 976      | 5/23/2011 13:15 | 14.97  | 48.00  | 31.30        | 7.87    | 7.78 | 10.5              | 1.86            | 94.5  |
| 977      | 5/23/2011 13:30 | 15.00  | 47.78  | 31.14        | 7.84    | 7.78 | 10.1              | 1.94            | 94.1  |
| 978      | 5/23/2011 13:45 | 15.00  | 47.68  | 31.08        | 7.78    | 7.77 | 9.7               | 2.01            | 93.4  |
| 979      | 5/23/2011 14:00 | 15.02  | 47.83  | 31.19        | 7.88    | 7.77 | 9.2               | 2.09            | 94.6  |
| 980      | 5/23/2011 14:15 | 14.46  | 48.18  | 31.43        | 7.72    | 7.77 | 8.1               | 2.17            | 91.8  |
| 981      | 5/23/2011 14:30 | 14.34  | 48.17  | 31.41        | 7.74    | 7.77 | 7.7               | 2.26            | 91.8  |
| 982      | 5/23/2011 14:45 | 14.27  | 48.39  | 31.57        | 7.87    | 7.79 | 7.6               | 2.35            | 93.3  |
| 983      | 5/23/2011 15:00 | 14.20  | 48.19  | 31.42        | 8.10    | 7.80 | 7.6               | 2.42            | 95.8  |
| 984      | 5/23/2011 15:15 | 14.11  | 48.48  | 31.63        | 8.26    | 7.81 | 7.3               | 2.50            | 97.6  |
| 985      | 5/23/2011 15:30 | 14.09  | 48.39  | 31.57        | 8.30    | 7.82 | 7.6               | 2.59            | 98.1  |
| 986      | 5/23/2011 15:45 | 13.99  | 48.42  | 31.59        | 8.31    | 7.81 | 7.8               | 2.66            | 97.9  |
| 987      | 5/23/2011 16:00 | 13.86  | 48.50  | 31.64        | 8.31    | 7.81 | 7.9               | 2.73            | 97.7  |
| 988      | 5/23/2011 16:15 | 13.72  | 48.53  | 31.65        | 8.37    | 7.81 | 9.2               | 2.80            | 98.2  |
| 989      | 5/23/2011 16:30 | 13.64  | 48.73  | 31.80        | 8.39    | 7.81 | 7.6               | 2.87            | 98.4  |
| 990      | 5/23/2011 16:45 | 13.38  | 48.61  | 31.70        | 8.62    | 7.82 | 7.7               | 2.93            | 100.4 |
| 991      | 5/23/2011 17:00 | 13.23  | 48.59  | 31.68        | 8.76    | 7.82 | 7.8               | 2.99            | 101.8 |
| 992      | 5/23/2011 17:15 | 13.17  | 48.65  | 31.72        | 8.88    | 7.83 | 6.0               | 3.04            | 103.1 |
| 993      | 5/23/2011 17:30 | 13.03  | 49.06  | 32.01        | 8.92    | 7.83 | 5.3               | 3.11            | 103.4 |
| 994      | 5/23/2011 17:45 | 12.77  | 48.81  | 31.83        | 8.93    | 7.82 | 4.9               | 3.14            | 102.8 |
| 995      | 5/23/2011 18:00 | 12.55  | 48.88  | 31.87        | 8.94    | 7.81 | 4.5               | 3.18            | 102.5 |
| 996      | 5/23/2011 18:15 | 12.41  | 48.97  | 31.93        | 8.92    | 7.81 | 3.5               | 3.21            | 102.1 |
| 997      | 5/23/2011 18:30 | 12.37  | 48.92  | 31.89        | 8.88    | 7.81 | 2.6               | 3.22            | 101.5 |
| 998      | 5/23/2011 18:45 | 12.40  | 49.03  | 31.97        | 8.72    | 7.80 | 4.0               | 3.22            | 99.8  |
| 999      | 5/23/2011 19:00 | 12.40  | 49.02  | 31.96        | 8.78    | 7.80 | 3.6               | 3.21            | 100.5 |
| 1000     | 5/23/2011 19:15 | 12.58  | 49.38  | 32.23        | 8.68    | 7.80 | 3.8               | 3.18            | 99.9  |
| 1001     | 5/23/2011 19:30 | 13.31  | 48.76  | 31.81        | 9.02    | 7.86 | 9.9               | 3.14            | 105.0 |
| 1002     | 5/23/2011 19:45 | 13.19  | 48.76  | 31.81        | 9.02    | 7.85 | 8.7               | 3.08            | 104.8 |
| 1003     | 5/23/2011 20:00 | 13.10  | 48.72  | 31.78        | 9.02    | 7.85 | 9.8               | 3.03            | 104.6 |
| 1004     | 5/23/2011 20:15 | 13.04  | 48.73  | 31.78        | 9.00    | 7.85 | 8.9               | 2.95            | 104.2 |
| 1005     | 5/23/2011 20:30 | 12.99  | 48.79  | 31.82        | 8.98    | 7.85 | 8.6               | 2.90            | 103.9 |
| 1006     | 5/23/2011 20:45 | 13.13  | 49.17  | 32.10        | 8.84    | 7.84 | 9.6               | 2.82            | 102.8 |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1007     | 5/23/2011 21:00 | 13.11  | 48.76  | 31.80        | 8.77    | 7.84 | 11.4              | 2.76            | 101.7 |
| 1008     | 5/23/2011 21:15 | 13.53  | 49.06  | 32.03        | 8.66    | 7.85 | 10.6              | 2.70            | 101.5 |
| 1009     | 5/23/2011 21:30 | 13.47  | 49.08  | 32.05        | 8.62    | 7.85 | 10.8              | 2.64            | 100.8 |
| 1010     | 5/23/2011 21:45 | 13.70  | 48.70  | 31.78        | 8.52    | 7.84 | 13.9              | 2.58            | 100.1 |
| 1011     | 5/23/2011 22:00 | 13.95  | 48.42  | 31.58        | 8.39    | 7.83 | 12.8              | 2.52            | 98.9  |
| 1012     | 5/23/2011 22:15 | 13.95  | 48.42  | 31.58        | 8.35    | 7.83 | 14.3              | 2.46            | 98.4  |
| 1013     | 5/23/2011 22:30 | 14.15  | 48.34  | 31.53        | 8.25    | 7.82 | 13.6              | 2.41            | 97.5  |
| 1014     | 5/23/2011 22:45 | 14.36  | 48.24  | 31.46        | 8.23    | 7.82 | 14.1              | 2.37            | 97.8  |
| 1015     | 5/23/2011 23:00 | 14.50  | 48.20  | 31.44        | 8.23    | 7.82 | 14.0              | 2.31            | 97.9  |
| 1016     | 5/23/2011 23:15 | 14.60  | 48.16  | 31.41        | 8.23    | 7.82 | 14.4              | 2.29            | 98.2  |
| 1017     | 5/23/2011 23:30 | 14.47  | 48.15  | 31.40        | 8.22    | 7.82 | 13.6              | 2.27            | 97.8  |
| 1018     | 5/23/2011 23:45 | 14.64  | 48.13  | 31.39        | 8.20    | 7.82 | 13.1              | 2.24            | 97.9  |
| 1019     | 5/24/2011 0:00  | 14.69  | 48.12  | 31.38        | 8.24    | 7.83 | 12.1              | 2.24            | 98.5  |
| 1020     | 5/24/2011 0:15  | 14.66  | 48.17  | 31.42        | 8.09    | 7.81 | 11.5              | 2.24            | 96.6  |
| 1021     | 5/24/2011 0:30  | 14.59  | 48.21  | 31.45        | 8.11    | 7.81 | 11.4              | 2.25            | 96.8  |
| 1022     | 5/24/2011 0:45  | 14.55  | 48.16  | 31.41        | 8.13    | 7.81 | 12.0              | 2.27            | 96.9  |
| 1023     | 5/24/2011 1:00  | 14.60  | 48.60  | 31.73        | 8.12    | 7.81 | 11.5              | 2.30            | 97.1  |
| 1024     | 5/24/2011 1:15  | 14.62  | 48.17  | 31.42        | 8.12    | 7.81 | 11.0              | 2.34            | 96.9  |
| 1025     | 5/24/2011 1:30  | 14.57  | 48.06  | 31.34        | 8.02    | 7.80 | 12.1              | 2.39            | 95.5  |
| 1026     | 5/24/2011 1:45  | 14.53  | 48.12  | 31.38        | 7.90    | 7.79 | 10.7              | 2.43            | 94.1  |
| 1027     | 5/24/2011 2:00  | 14.51  | 48.12  | 31.38        | 7.94    | 7.79 | 9.8               | 2.48            | 94.5  |
| 1028     | 5/24/2011 2:15  | 14.45  | 48.22  | 31.45        | 7.86    | 7.79 | 8.9               | 2.53            | 93.5  |
| 1029     | 5/24/2011 2:30  | 14.38  | 48.20  | 31.43        | 7.97    | 7.79 | 9.8               | 2.59            | 94.7  |
| 1030     | 5/24/2011 2:45  | 14.20  | 48.32  | 31.52        | 8.05    | 7.80 | 7.4               | 2.64            | 95.3  |
| 1031     | 5/24/2011 3:00  | 14.10  | 48.31  | 31.51        | 8.03    | 7.79 | 7.3               | 2.68            | 94.9  |
| 1032     | 5/24/2011 3:15  | 13.95  | 48.34  | 31.52        | 8.11    | 7.80 | 6.2               | 2.75            | 95.5  |
| 1033     | 5/24/2011 3:30  | 13.62  | 48.54  | 31.66        | 8.17    | 7.79 | 5.9               | 2.78            | 95.6  |
| 1034     | 5/24/2011 3:45  | 13.45  | 48.97  | 31.97        | 8.19    | 7.79 | 5.6               | 2.83            | 95.7  |
| 1035     | 5/24/2011 4:00  | 13.30  | 48.71  | 31.77        | 8.25    | 7.79 | 4.8               | 2.87            | 96.0  |
| 1036     | 5/24/2011 4:15  | 13.13  | 48.71  | 31.77        | 8.30    | 7.79 | 5.1               | 2.92            | 96.3  |
| 1037     | 5/24/2011 4:30  | 12.99  | 48.90  | 31.90        | 8.26    | 7.79 | 4.2               | 2.95            | 95.6  |
| 1038     | 5/24/2011 4:45  | 12.98  | 48.70  | 31.76        | 8.30    | 7.79 | 3.9               | 2.97            | 95.9  |
| 1039     | 5/24/2011 5:00  | 12.98  | 48.71  | 31.76        | 8.25    | 7.79 | 3.5               | 3.00            | 95.4  |
| 1040     | 5/24/2011 5:15  | 12.94  | 48.75  | 31.79        | 8.32    | 7.79 | 3.7               | 3.03            | 96.1  |
| 1041     | 5/24/2011 5:30  | 12.88  | 48.86  | 31.86        | 8.22    | 7.78 | 3.2               | 3.03            | 94.9  |
| 1042     | 5/24/2011 5:45  | 12.86  | 48.79  | 31.82        | 8.02    | 7.77 | 4.1               | 3.03            | 92.5  |
| 1043     | 5/24/2011 6:00  | 12.88  | 48.79  | 31.81        | 8.00    | 7.77 | 4.7               | 3.03            | 92.3  |
| 1044     | 5/24/2011 6:15  | 12.79  | 49.35  | 32.22        | 8.03    | 7.77 | 4.5               | 3.02            | 92.8  |
| 1045     | 5/24/2011 6:30  | 13.10  | 48.81  | 31.84        | 7.92    | 7.77 | 7.9               | 2.98            | 91.8  |
| 1046     | 5/24/2011 6:45  | 13.43  | 48.53  | 31.64        | 7.87    | 7.78 | 7.8               | 2.93            | 91.7  |
| 1047     | 5/24/2011 7:00  | 13.50  | 48.49  | 31.62        | 7.85    | 7.78 | 7.2               | 2.90            | 91.6  |
| 1048     | 5/24/2011 7:15  | 13.78  | 48.50  | 31.63        | 7.60    | 7.77 | 7.9               | 2.84            | 89.3  |
| 1049     | 5/24/2011 7:30  | 13.73  | 48.91  | 31.93        | 7.69    | 7.78 | 7.6               | 2.77            | 90.5  |
| 1050     | 5/24/2011 7:45  | 13.72  | 48.95  | 31.96        | 7.78    | 7.79 | 7.9               | 2.69            | 91.4  |
| 1051     | 5/24/2011 8:00  | 13.81  | 48.60  | 31.71        | 7.75    | 7.78 | 8.2               | 2.63            | 91.1  |
| 1052     | 5/24/2011 8:15  | 13.82  | 48.41  | 31.57        | 7.75    | 7.78 | 7.9               | 2.55            | 91.1  |
| 1053     | 5/24/2011 8:30  | 13.89  | 48.84  | 31.89        | 7.77    | 7.78 | 8.2               | 2.46            | 91.6  |
| 1054     | 5/24/2011 8:45  | 13.93  | 48.88  | 31.91        | 7.90    | 7.79 | 9.0               | 2.39            | 93.3  |
| 1055     | 5/24/2011 9:00  | 13.97  | 48.40  | 31.57        | 7.98    | 7.80 | 9.0               | 2.32            | 94.0  |
| 1056     | 5/24/2011 9:15  | 14.12  | 48.38  | 31.56        | 8.05    | 7.80 | 9.9               | 2.22            | 95.2  |
| 1057     | 5/24/2011 9:30  | 14.21  | 48.44  | 31.60        | 8.16    | 7.81 | 9.4               | 2.13            | 96.7  |
| 1058     | 5/24/2011 9:45  | 14.36  | 48.30  | 31.51        | 8.11    | 7.81 | 9.6               | 2.05            | 96.3  |
| 1059     | 5/24/2011 10:00 | 14.53  | 48.32  | 31.53        | 8.18    | 7.81 | 9.8               | 1.99            | 97.5  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1060     | 5/24/2011 10:15 | 14.69  | 48.20  | 31.44        | 8.32    | 7.83 | 9.8               | 1.91            | 99.4  |
| 1061     | 5/24/2011 10:30 | 14.81  | 48.24  | 31.48        | 8.27    | 7.82 | 9.3               | 1.83            | 99.1  |
| 1062     | 5/24/2011 10:45 | 14.87  | 48.17  | 31.42        | 8.11    | 7.82 | 8.9               | 1.78            | 97.2  |
| 1063     | 5/24/2011 11:00 | 14.86  | 48.24  | 31.48        | 7.98    | 7.81 | 7.8               | 1.74            | 95.7  |
| 1064     | 5/24/2011 11:15 | 14.82  | 48.18  | 31.44        | 7.92    | 7.81 | 7.0               | 1.68            | 94.9  |
| 1065     | 5/24/2011 11:30 | 14.81  | 48.21  | 31.46        | 7.91    | 7.81 | 6.6               | 1.67            | 94.8  |
| 1066     | 5/24/2011 11:45 | 15.05  | 48.09  | 31.37        | 8.04    | 7.82 | 6.5               | 1.66            | 96.7  |
| 1067     | 5/24/2011 12:00 | 14.87  | 48.15  | 31.41        | 7.98    | 7.80 | 7.4               | 1.65            | 95.7  |
| 1068     | 5/24/2011 12:15 | 14.75  | 48.16  | 31.42        | 7.96    | 7.80 | 6.7               | 1.65            | 95.3  |
| 1069     | 5/24/2011 12:30 | 14.68  | 48.10  | 31.37        | 7.86    | 7.80 | 7.5               | 1.68            | 93.9  |
| 1070     | 5/24/2011 12:45 | 14.80  | 48.19  | 31.44        | 8.03    | 7.80 | 8.6               | 1.72            | 96.2  |
| 1071     | 5/24/2011 13:00 | 14.80  | 48.30  | 31.52        | 8.02    | 7.81 | 8.3               | 1.74            | 96.1  |
| 1072     | 5/24/2011 13:15 | 14.82  | 48.18  | 31.43        | 8.06    | 7.81 | 8.0               | 1.81            | 96.5  |
| 1073     | 5/24/2011 13:30 | 15.18  | 47.80  | 31.16        | 8.14    | 7.80 | 9.0               | 1.85            | 98.0  |
| 1074     | 5/24/2011 13:45 | 15.11  | 47.64  | 31.05        | 7.95    | 7.78 | 9.5               | 1.92            | 95.6  |
| 1075     | 5/24/2011 14:00 | 15.04  | 47.66  | 31.06        | 8.01    | 7.79 | 9.2               | 1.99            | 96.2  |
| 1076     | 5/24/2011 14:15 | 14.79  | 48.09  | 31.37        | 7.88    | 7.78 | 7.9               | 2.06            | 94.4  |
| 1077     | 5/24/2011 14:30 | 14.66  | 48.14  | 31.40        | 7.82    | 7.78 | 7.9               | 2.12            | 93.3  |
| 1078     | 5/24/2011 14:45 | 14.55  | 48.24  | 31.47        | 7.73    | 7.78 | 7.3               | 2.18            | 92.2  |
| 1079     | 5/24/2011 15:00 | 14.39  | 48.25  | 31.47        | 7.69    | 7.77 | 7.8               | 2.27            | 91.4  |
| 1080     | 5/24/2011 15:15 | 14.26  | 48.18  | 31.42        | 7.72    | 7.77 | 7.9               | 2.34            | 91.5  |
| 1081     | 5/24/2011 15:30 | 14.11  | 48.39  | 31.57        | 7.89    | 7.78 | 7.1               | 2.41            | 93.2  |
| 1082     | 5/24/2011 15:45 | 14.04  | 48.34  | 31.53        | 8.05    | 7.79 | 7.3               | 2.49            | 95.0  |
| 1083     | 5/24/2011 16:00 | 14.00  | 48.44  | 31.60        | 8.09    | 7.79 | 7.1               | 2.56            | 95.4  |
| 1084     | 5/24/2011 16:15 | 14.01  | 48.44  | 31.60        | 8.15    | 7.80 | 6.5               | 2.63            | 96.1  |
| 1085     | 5/24/2011 16:30 | 13.97  | 48.82  | 31.87        | 8.19    | 7.80 | 7.4               | 2.70            | 96.7  |
| 1086     | 5/24/2011 16:45 | 13.77  | 48.52  | 31.65        | 8.19    | 7.79 | 7.0               | 2.77            | 96.2  |
| 1087     | 5/24/2011 17:00 | 13.51  | 48.67  | 31.75        | 8.20    | 7.79 | 7.5               | 2.85            | 95.9  |
| 1088     | 5/24/2011 17:15 | 13.41  | 48.63  | 31.72        | 8.33    | 7.79 | 7.7               | 2.91            | 97.2  |
| 1089     | 5/24/2011 17:30 | 13.29  | 48.73  | 31.79        | 8.61    | 7.80 | 7.6               | 2.97            | 100.2 |
| 1090     | 5/24/2011 17:45 | 13.20  | 48.83  | 31.86        | 8.72    | 7.80 | 7.3               | 3.03            | 101.3 |
| 1091     | 5/24/2011 18:00 | 13.15  | 48.87  | 31.88        | 8.81    | 7.80 | 6.0               | 3.09            | 102.3 |
| 1092     | 5/24/2011 18:15 | 13.03  | 48.88  | 31.89        | 8.92    | 7.81 | 4.8               | 3.15            | 103.3 |
| 1093     | 5/24/2011 18:30 | 12.63  | 49.09  | 32.03        | 8.96    | 7.79 | 4.9               | 3.19            | 103.0 |
| 1094     | 5/24/2011 18:45 | 12.27  | 49.24  | 32.11        | 9.13    | 7.79 | 4.0               | 3.24            | 104.3 |
| 1095     | 5/24/2011 19:00 | 12.20  | 49.25  | 32.12        | 9.16    | 7.79 | 3.5               | 3.26            | 104.4 |
| 1096     | 5/24/2011 19:15 | 12.16  | 49.23  | 32.11        | 9.08    | 7.79 | 2.4               | 3.28            | 103.4 |
| 1097     | 5/24/2011 19:30 | 12.31  | 49.17  | 32.07        | 8.86    | 7.78 | 3.3               | 3.29            | 101.3 |
| 1098     | 5/24/2011 19:45 | 12.14  | 49.18  | 32.07        | 8.94    | 7.78 | 3.5               | 3.27            | 101.8 |
| 1099     | 5/24/2011 20:00 | 12.15  | 49.35  | 32.19        | 8.99    | 7.78 | 6.0               | 3.22            | 102.5 |
| 1100     | 5/24/2011 20:15 | 12.31  | 49.19  | 32.08        | 8.82    | 7.78 | 3.7               | 3.19            | 100.8 |
| 1101     | 5/24/2011 20:30 | 13.65  | 48.70  | 31.78        | 8.39    | 7.81 | 5.7               | 3.14            | 98.3  |
| 1102     | 5/24/2011 20:45 | 13.57  | 48.71  | 31.79        | 8.38    | 7.80 | 7.9               | 3.06            | 98.1  |
| 1103     | 5/24/2011 21:00 | 13.43  | 48.83  | 31.86        | 8.35    | 7.80 | 8.2               | 2.99            | 97.5  |
| 1104     | 5/24/2011 21:15 | 13.96  | 48.61  | 31.72        | 8.33    | 7.82 | 7.0               | 2.94            | 98.3  |
| 1105     | 5/24/2011 21:30 | 13.76  | 48.60  | 31.71        | 8.42    | 7.81 | 7.0               | 2.88            | 98.9  |
| 1106     | 5/24/2011 21:45 | 13.85  | 48.65  | 31.74        | 8.38    | 7.81 | 6.3               | 2.80            | 98.6  |
| 1107     | 5/24/2011 22:00 | 13.95  | 48.56  | 31.69        | 8.33    | 7.81 | 5.9               | 2.73            | 98.2  |
| 1108     | 5/24/2011 22:15 | 14.03  | 48.54  | 31.67        | 8.24    | 7.80 | 5.5               | 2.68            | 97.3  |
| 1109     | 5/24/2011 22:30 | 14.33  | 48.48  | 31.63        | 8.13    | 7.81 | 6.6               | 2.61            | 96.6  |
| 1110     | 5/24/2011 22:45 | 14.43  | 48.59  | 31.72        | 8.13    | 7.82 | 5.9               | 2.55            | 96.8  |
| 1111     | 5/24/2011 23:00 | 14.46  | 48.44  | 31.61        | 7.93    | 7.80 | 7.9               | 2.48            | 94.5  |
| 1112     | 5/24/2011 23:15 | 14.72  | 48.29  | 31.51        | 8.21    | 7.82 | 7.6               | 2.43            | 98.2  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1113     | 5/24/2011 23:30 | 14.69  | 48.74  | 31.83        | 8.14    | 7.82 | 7.9        | 2.37   | 97.5  |
| 1114     | 5/24/2011 23:45 | 15.00  | 48.65  | 31.77        | 8.39    | 7.84 | 7.3        | 2.30   | 101.1 |
| 1115     | 5/25/2011 0:00  | 14.78  | 48.77  | 31.86        | 8.18    | 7.83 | 7.1        | 2.25   | 98.1  |
| 1116     | 5/25/2011 0:15  | 14.97  | 48.69  | 31.80        | 8.25    | 7.83 | 7.4        | 2.22   | 99.3  |
| 1117     | 5/25/2011 0:30  | 15.17  | 48.64  | 31.77        | 8.34    | 7.84 | 7.1        | 2.19   | 100.8 |
| 1118     | 5/25/2011 0:45  | 15.27  | 48.61  | 31.76        | 8.43    | 7.85 | 6.5        | 2.16   | 102.1 |
| 1119     | 5/25/2011 1:00  | 15.31  | 48.60  | 31.75        | 8.42    | 7.85 | 7.6        | 2.14   | 102.0 |
| 1120     | 5/25/2011 1:15  | 15.05  | 48.66  | 31.79        | 8.12    | 7.82 | 5.3        | 2.16   | 97.9  |
| 1121     | 5/25/2011 1:30  | 14.97  | 48.62  | 31.75        | 8.09    | 7.81 | 6.7        | 2.16   | 97.4  |
| 1122     | 5/25/2011 1:45  | 14.87  | 48.23  | 31.47        | 8.12    | 7.81 | 6.8        | 2.17   | 97.4  |
| 1123     | 5/25/2011 2:00  | 14.77  | 48.69  | 31.80        | 7.97    | 7.80 | 6.0        | 2.20   | 95.7  |
| 1124     | 5/25/2011 2:15  | 14.77  | 48.67  | 31.79        | 8.04    | 7.81 | 7.4        | 2.26   | 96.4  |
| 1125     | 5/25/2011 2:30  | 14.61  | 48.22  | 31.46        | 7.98    | 7.80 | 5.9        | 2.29   | 95.2  |
| 1126     | 5/25/2011 2:45  | 14.54  | 48.67  | 31.78        | 7.95    | 7.79 | 6.0        | 2.33   | 95.0  |
| 1127     | 5/25/2011 3:00  | 14.53  | 48.20  | 31.44        | 7.90    | 7.78 | 6.8        | 2.39   | 94.1  |
| 1128     | 5/25/2011 3:15  | 14.44  | 48.64  | 31.76        | 7.83    | 7.78 | 5.0        | 2.44   | 93.3  |
| 1129     | 5/25/2011 3:30  | 14.26  | 48.41  | 31.59        | 7.92    | 7.78 | 5.1        | 2.49   | 93.9  |
| 1130     | 5/25/2011 3:45  | 14.17  | 48.82  | 31.88        | 7.85    | 7.77 | 4.5        | 2.53   | 93.1  |
| 1131     | 5/25/2011 4:00  | 13.90  | 48.94  | 31.96        | 7.89    | 7.77 | 3.7        | 2.58   | 93.0  |
| 1132     | 5/25/2011 4:15  | 13.67  | 49.04  | 32.03        | 7.93    | 7.77 | 4.2        | 2.62   | 93.1  |
| 1133     | 5/25/2011 4:30  | 13.58  | 49.06  | 32.04        | 7.94    | 7.77 | 4.4        | 2.65   | 93.2  |
| 1134     | 5/25/2011 4:45  | 13.48  | 49.10  | 32.06        | 7.99    | 7.77 | 3.6        | 2.70   | 93.6  |
| 1135     | 5/25/2011 5:00  | 13.40  | 49.11  | 32.07        | 8.02    | 7.77 | 4.2        | 2.73   | 93.7  |
| 1136     | 5/25/2011 5:15  | 13.29  | 49.14  | 32.09        | 8.11    | 7.77 | 3.5        | 2.78   | 94.6  |
| 1137     | 5/25/2011 5:30  | 13.27  | 49.16  | 32.10        | 8.06    | 7.77 | 4.0        | 2.81   | 94.0  |
| 1138     | 5/25/2011 5:45  | 13.18  | 49.20  | 32.13        | 8.10    | 7.77 | 3.5        | 2.84   | 94.3  |
| 1139     | 5/25/2011 6:00  | 13.04  | 49.27  | 32.17        | 8.13    | 7.77 | 2.9        | 2.87   | 94.4  |
| 1140     | 5/25/2011 6:15  | 12.93  | 49.32  | 32.20        | 8.13    | 7.76 | 3.4        | 2.92   | 94.2  |
| 1141     | 5/25/2011 6:30  | 12.88  | 49.33  | 32.21        | 8.11    | 7.76 | 3.6        | 2.93   | 93.9  |
| 1142     | 5/25/2011 6:45  | 12.79  | 49.36  | 32.22        | 8.09    | 7.76 | 2.1        | 2.94   | 93.4  |
| 1143     | 5/25/2011 7:00  | 12.76  | 49.36  | 32.22        | 8.00    | 7.75 | 3.2        | 2.95   | 92.4  |
| 1144     | 5/25/2011 7:15  | 12.77  | 49.37  | 32.23        | 7.88    | 7.74 | 3.4        | 2.96   | 91.0  |
| 1145     | 5/25/2011 7:30  | 12.71  | 49.38  | 32.24        | 7.95    | 7.75 | 3.0        | 2.92   | 91.6  |
| 1146     | 5/25/2011 7:45  | 12.90  | 49.15  | 32.08        | 8.02    | 7.75 | 6.0        | 2.89   | 92.7  |
| 1147     | 5/25/2011 8:00  | 12.99  | 49.13  | 32.06        | 8.03    | 7.76 | 6.0        | 2.86   | 93.0  |
| 1148     | 5/25/2011 8:15  | 13.08  | 49.10  | 32.05        | 7.87    | 7.75 | 6.8        | 2.82   | 91.4  |
| 1149     | 5/25/2011 8:30  | 13.14  | 48.62  | 31.70        | 7.99    | 7.76 | 8.2        | 2.74   | 92.7  |
| 1150     | 5/25/2011 8:45  | 13.11  | 49.11  | 32.06        | 8.02    | 7.76 | 6.0        | 2.69   | 93.2  |
| 1151     | 5/25/2011 9:00  | 13.22  | 49.09  | 32.05        | 8.01    | 7.77 | 6.2        | 2.63   | 93.2  |
| 1152     | 5/25/2011 9:15  | 13.39  | 48.46  | 31.59        | 7.94    | 7.76 | 6.8        | 2.57   | 92.5  |
| 1153     | 5/25/2011 9:30  | 13.25  | 48.66  | 31.73        | 8.05    | 7.77 | 6.0        | 2.50   | 93.6  |
| 1154     | 5/25/2011 9:45  | 13.43  | 48.59  | 31.69        | 8.07    | 7.77 | 5.7        | 2.42   | 94.2  |
| 1155     | 5/25/2011 10:00 | 13.70  | 48.89  | 31.92        | 8.00    | 7.78 | 7.2        | 2.37   | 94.0  |
| 1156     | 5/25/2011 10:15 | 13.91  | 48.39  | 31.56        | 8.03    | 7.78 | 7.0        | 2.29   | 94.5  |
| 1157     | 5/25/2011 10:30 | 14.19  | 48.44  | 31.60        | 8.07    | 7.79 | 7.5        | 2.23   | 95.6  |
| 1158     | 5/25/2011 10:45 | 14.34  | 48.70  | 31.80        | 8.06    | 7.80 | 7.8        | 2.17   | 95.9  |
| 1159     | 5/25/2011 11:00 | 14.62  | 48.59  | 31.72        | 7.98    | 7.80 | 8.7        | 2.10   | 95.4  |
| 1160     | 5/25/2011 11:15 | 14.73  | 48.55  | 31.70        | 8.02    | 7.80 | 8.1        | 2.04   | 96.0  |
| 1161     | 5/25/2011 11:30 | 14.82  | 48.17  | 31.42        | 8.14    | 7.80 | 8.1        | 2.01   | 97.5  |
| 1162     | 5/25/2011 11:45 | 14.74  | 48.39  | 31.58        | 7.80    | 7.79 | 6.8        | 1.94   | 93.3  |
| 1163     | 5/25/2011 12:00 | 14.72  | 48.56  | 31.71        | 7.71    | 7.78 | 5.7        | 1.91   | 92.3  |
| 1164     | 5/25/2011 12:15 | 14.99  | 48.54  | 31.70        | 8.05    | 7.80 | 9.0        | 1.89   | 96.9  |
| 1165     | 5/25/2011 12:30 | 14.96  | 48.59  | 31.74        | 7.83    | 7.78 | 6.8        | 1.84   | 94.3  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1166     | 5/25/2011 12:45 | 14.78  | 48.11  | 31.38        | 7.68    | 7.77 | 6.1               | 1.85            | 91.9  |
| 1167     | 5/25/2011 13:00 | 14.68  | 48.59  | 31.72        | 7.69    | 7.78 | 6.1               | 1.86            | 92.0  |
| 1168     | 5/25/2011 13:15 | 15.01  | 48.56  | 31.71        | 8.05    | 7.80 | 6.6               | 1.87            | 96.9  |
| 1169     | 5/25/2011 13:30 | 14.98  | 48.59  | 31.73        | 8.09    | 7.81 | 8.1               | 1.88            | 97.4  |
| 1170     | 5/25/2011 13:45 | 14.88  | 48.56  | 31.71        | 7.91    | 7.79 | 7.4               | 1.94            | 95.0  |
| 1171     | 5/25/2011 14:00 | 14.86  | 48.58  | 31.73        | 8.02    | 7.79 | 7.4               | 1.97            | 96.3  |
| 1172     | 5/25/2011 14:15 | 14.76  | 48.59  | 31.73        | 7.98    | 7.79 | 7.2               | 2.02            | 95.7  |
| 1173     | 5/25/2011 14:30 | 14.70  | 48.49  | 31.66        | 8.08    | 7.79 | 7.3               | 2.07            | 96.7  |
| 1174     | 5/25/2011 14:45 | 14.66  | 48.09  | 31.36        | 8.04    | 7.78 | 7.3               | 2.14            | 96.0  |
| 1175     | 5/25/2011 15:00 | 14.55  | 48.21  | 31.45        | 8.11    | 7.79 | 5.8               | 2.20            | 96.6  |
| 1176     | 5/25/2011 15:15 | 14.39  | 48.70  | 31.80        | 7.92    | 7.77 | 5.6               | 2.26            | 94.3  |
| 1177     | 5/25/2011 15:30 | 14.18  | 48.72  | 31.81        | 7.79    | 7.76 | 5.7               | 2.33            | 92.3  |
| 1178     | 5/25/2011 15:45 | 14.06  | 48.79  | 31.85        | 7.86    | 7.76 | 5.9               | 2.40            | 92.9  |
| 1179     | 5/25/2011 16:00 | 13.94  | 48.85  | 31.89        | 7.95    | 7.76 | 7.1               | 2.45            | 93.9  |
| 1180     | 5/25/2011 16:15 | 13.97  | 48.42  | 31.58        | 8.02    | 7.77 | 5.7               | 2.53            | 94.5  |
| 1181     | 5/25/2011 16:30 | 13.92  | 48.52  | 31.66        | 8.11    | 7.78 | 6.4               | 2.60            | 95.5  |
| 1182     | 5/25/2011 16:45 | 13.81  | 48.46  | 31.61        | 8.10    | 7.77 | 6.1               | 2.66            | 95.2  |
| 1183     | 5/25/2011 17:00 | 13.85  | 48.59  | 31.70        | 8.24    | 7.78 | 6.3               | 2.73            | 96.9  |
| 1184     | 5/25/2011 17:15 | 13.76  | 48.57  | 31.69        | 8.32    | 7.79 | 6.2               | 2.79            | 97.8  |
| 1185     | 5/25/2011 17:30 | 13.40  | 49.09  | 32.05        | 8.47    | 7.78 | 9.6               | 2.87            | 98.9  |
| 1186     | 5/25/2011 17:45 | 13.32  | 49.12  | 32.07        | 8.50    | 7.78 | 7.0               | 2.94            | 99.1  |
| 1187     | 5/25/2011 18:00 | 13.18  | 48.75  | 31.80        | 8.69    | 7.79 | 7.9               | 3.01            | 100.9 |
| 1188     | 5/25/2011 18:15 | 12.99  | 49.27  | 32.17        | 8.82    | 7.79 | 7.3               | 3.07            | 102.3 |
| 1189     | 5/25/2011 18:30 | 12.81  | 48.85  | 31.86        | 8.94    | 7.79 | 6.8               | 3.14            | 103.1 |
| 1190     | 5/25/2011 18:45 | 12.58  | 49.05  | 31.99        | 9.09    | 7.80 | 5.6               | 3.21            | 104.3 |
| 1191     | 5/25/2011 19:00 | 12.51  | 49.48  | 32.30        | 9.04    | 7.79 | 5.2               | 3.26            | 103.9 |
| 1192     | 5/25/2011 19:15 | 12.37  | 49.52  | 32.33        | 9.07    | 7.79 | 4.6               | 3.31            | 103.9 |
| 1193     | 5/25/2011 19:30 | 12.27  | 49.56  | 32.35        | 9.16    | 7.79 | 3.5               | 3.34            | 104.7 |
| 1194     | 5/25/2011 19:45 | 12.27  | 49.16  | 32.06        | 9.10    | 7.79 | 2.2               | 3.36            | 103.9 |
| 1195     | 5/25/2011 20:00 | 12.35  | 49.56  | 32.35        | 8.91    | 7.78 | 4.0               | 3.36            | 102.1 |
| 1196     | 5/25/2011 20:15 | 12.43  | 49.51  | 32.32        | 8.85    | 7.78 | 3.0               | 3.38            | 101.6 |
| 1197     | 5/25/2011 20:30 | 12.33  | 49.55  | 32.34        | 8.90    | 7.78 | 3.1               | 3.34            | 101.9 |
| 1198     | 5/25/2011 20:45 | 12.38  | 49.51  | 32.32        | 8.85    | 7.78 | 3.6               | 3.30            | 101.4 |
| 1199     | 5/25/2011 21:00 | 12.55  | 49.44  | 32.27        | 8.80    | 7.79 | 5.2               | 3.24            | 101.2 |
| 1200     | 5/25/2011 21:15 | 12.80  | 49.36  | 32.22        | 8.81    | 7.80 | 4.3               | 3.19            | 101.8 |
| 1201     | 5/25/2011 21:30 | 12.98  | 49.28  | 32.18        | 8.77    | 7.80 | 5.7               | 3.13            | 101.7 |
| 1202     | 5/25/2011 21:45 | 13.25  | 49.19  | 32.12        | 8.67    | 7.80 | 6.2               | 3.04            | 101.0 |
| 1203     | 5/25/2011 22:00 | 13.49  | 49.03  | 32.01        | 8.54    | 7.80 | 6.3               | 2.99            | 100.0 |
| 1204     | 5/25/2011 22:15 | 13.61  | 49.05  | 32.03        | 8.48    | 7.80 | 6.1               | 2.91            | 99.5  |
| 1205     | 5/25/2011 22:30 | 13.65  | 49.01  | 32.00        | 8.40    | 7.80 | 5.9               | 2.84            | 98.6  |
| 1206     | 5/25/2011 22:45 | 13.87  | 48.89  | 31.93        | 8.31    | 7.80 | 5.8               | 2.77            | 97.9  |
| 1207     | 5/25/2011 23:00 | 13.89  | 48.91  | 31.94        | 8.29    | 7.80 | 5.4               | 2.71            | 97.7  |
| 1208     | 5/25/2011 23:15 | 14.10  | 48.84  | 31.89        | 8.26    | 7.81 | 6.3               | 2.64            | 97.8  |
| 1209     | 5/25/2011 23:30 | 14.27  | 48.83  | 31.89        | 8.13    | 7.81 | 6.6               | 2.57            | 96.6  |
| 1210     | 5/25/2011 23:45 | 14.15  | 48.84  | 31.89        | 8.02    | 7.80 | 9.0               | 2.49            | 95.1  |
| 1211     | 5/26/2011 0:00  | 14.13  | 48.86  | 31.91        | 8.06    | 7.81 | 8.5               | 2.41            | 95.5  |
| 1212     | 5/26/2011 0:15  | 14.30  | 48.80  | 31.87        | 8.34    | 7.83 | 7.8               | 2.35            | 99.1  |
| 1213     | 5/26/2011 0:30  | 14.36  | 48.30  | 31.51        | 8.34    | 7.84 | 7.9               | 2.27            | 99.1  |
| 1214     | 5/26/2011 0:45  | 14.23  | 48.78  | 31.86        | 8.19    | 7.82 | 8.7               | 2.21            | 97.2  |
| 1215     | 5/26/2011 1:00  | 14.33  | 48.71  | 31.80        | 8.20    | 7.83 | 7.6               | 2.15            | 97.4  |
| 1216     | 5/26/2011 1:15  | 14.30  | 48.67  | 31.78        | 8.11    | 7.82 | 7.7               | 2.09            | 96.3  |
| 1217     | 5/26/2011 1:30  | 14.45  | 48.58  | 31.72        | 8.14    | 7.83 | 7.1               | 2.07            | 97.0  |
| 1218     | 5/26/2011 1:45  | 14.56  | 48.56  | 31.70        | 8.14    | 7.83 | 6.2               | 2.03            | 97.1  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1219     | 5/26/2011 2:00  | 14.60  | 48.54  | 31.69        | 8.09    | 7.83 | 6.0        | 2.01   | 96.6  |
| 1220     | 5/26/2011 2:15  | 14.54  | 48.11  | 31.37        | 8.17    | 7.83 | 7.0        | 2.01   | 97.4  |
| 1221     | 5/26/2011 2:30  | 14.51  | 48.57  | 31.71        | 8.15    | 7.83 | 5.7        | 2.01   | 97.2  |
| 1222     | 5/26/2011 2:45  | 14.47  | 48.59  | 31.72        | 8.13    | 7.82 | 6.4        | 2.04   | 96.8  |
| 1223     | 5/26/2011 3:00  | 14.43  | 48.64  | 31.76        | 8.11    | 7.82 | 6.0        | 2.06   | 96.6  |
| 1224     | 5/26/2011 3:15  | 14.42  | 48.66  | 31.77        | 8.12    | 7.82 | 6.1        | 2.12   | 96.7  |
| 1225     | 5/26/2011 3:30  | 14.37  | 48.68  | 31.78        | 8.07    | 7.81 | 5.5        | 2.15   | 96.1  |
| 1226     | 5/26/2011 3:45  | 14.33  | 48.69  | 31.79        | 8.03    | 7.80 | 5.7        | 2.20   | 95.5  |
| 1227     | 5/26/2011 4:00  | 14.20  | 48.59  | 31.71        | 7.99    | 7.79 | 6.2        | 2.27   | 94.7  |
| 1228     | 5/26/2011 4:15  | 14.16  | 48.57  | 31.70        | 7.92    | 7.78 | 6.0        | 2.31   | 93.7  |
| 1229     | 5/26/2011 4:30  | 14.12  | 48.60  | 31.72        | 7.87    | 7.78 | 4.9        | 2.36   | 93.2  |
| 1230     | 5/26/2011 4:45  | 14.07  | 48.69  | 31.78        | 7.90    | 7.78 | 4.3        | 2.41   | 93.5  |
| 1231     | 5/26/2011 5:00  | 13.99  | 48.77  | 31.84        | 7.89    | 7.77 | 4.2        | 2.46   | 93.2  |
| 1232     | 5/26/2011 5:15  | 13.90  | 48.83  | 31.88        | 7.85    | 7.77 | 4.4        | 2.50   | 92.6  |
| 1233     | 5/26/2011 5:30  | 13.80  | 48.89  | 31.92        | 7.83    | 7.76 | 4.4        | 2.55   | 92.2  |
| 1234     | 5/26/2011 5:45  | 13.71  | 48.94  | 31.95        | 7.81    | 7.76 | 4.3        | 2.60   | 91.8  |
| 1235     | 5/26/2011 6:00  | 13.66  | 48.94  | 31.95        | 7.81    | 7.76 | 4.0        | 2.64   | 91.7  |
| 1236     | 5/26/2011 6:15  | 13.64  | 48.96  | 31.96        | 7.79    | 7.76 | 4.0        | 2.68   | 91.5  |
| 1237     | 5/26/2011 6:30  | 13.58  | 48.99  | 31.99        | 7.82    | 7.76 | 4.8        | 2.73   | 91.6  |
| 1238     | 5/26/2011 6:45  | 13.51  | 49.02  | 32.00        | 7.84    | 7.76 | 3.6        | 2.76   | 91.8  |
| 1239     | 5/26/2011 7:00  | 13.48  | 49.03  | 32.01        | 7.84    | 7.76 | 4.0        | 2.79   | 91.7  |
| 1240     | 5/26/2011 7:15  | 13.44  | 49.06  | 32.03        | 7.84    | 7.76 | 3.5        | 2.84   | 91.7  |
| 1241     | 5/26/2011 7:30  | 13.39  | 49.08  | 32.05        | 7.83    | 7.75 | 3.1        | 2.85   | 91.5  |
| 1242     | 5/26/2011 7:45  | 13.31  | 49.10  | 32.06        | 7.83    | 7.75 | 3.7        | 2.87   | 91.3  |
| 1243     | 5/26/2011 8:00  | 13.31  | 49.11  | 32.06        | 7.73    | 7.75 | 2.7        | 2.89   | 90.2  |
| 1244     | 5/26/2011 8:15  | 13.44  | 49.06  | 32.03        | 7.74    | 7.75 | 4.3        | 2.90   | 90.5  |
| 1245     | 5/26/2011 8:30  | 13.29  | 49.12  | 32.07        | 7.58    | 7.73 | 3.6        | 2.90   | 88.4  |
| 1246     | 5/26/2011 8:45  | 13.26  | 49.11  | 32.06        | 7.54    | 7.72 | 3.5        | 2.87   | 87.8  |
| 1247     | 5/26/2011 9:00  | 13.38  | 49.06  | 32.03        | 7.68    | 7.75 | 4.5        | 2.85   | 89.7  |
| 1248     | 5/26/2011 9:15  | 13.55  | 49.04  | 32.02        | 7.99    | 7.77 | 4.6        | 2.81   | 93.6  |
| 1249     | 5/26/2011 9:30  | 13.67  | 48.97  | 31.97        | 8.07    | 7.77 | 5.0        | 2.79   | 94.8  |
| 1250     | 5/26/2011 9:45  | 13.66  | 49.02  | 32.01        | 7.94    | 7.76 | 5.2        | 2.72   | 93.3  |
| 1251     | 5/26/2011 10:00 | 13.79  | 48.92  | 31.94        | 7.98    | 7.77 | 6.2        | 2.67   | 93.9  |
| 1252     | 5/26/2011 10:15 | 13.85  | 48.87  | 31.91        | 7.91    | 7.77 | 6.5        | 2.61   | 93.2  |
| 1253     | 5/26/2011 10:30 | 13.86  | 48.84  | 31.88        | 7.82    | 7.76 | 5.7        | 2.57   | 92.1  |
| 1254     | 5/26/2011 10:45 | 13.87  | 48.78  | 31.84        | 7.77    | 7.76 | 6.5        | 2.48   | 91.5  |
| 1255     | 5/26/2011 11:00 | 13.97  | 48.33  | 31.52        | 7.98    | 7.78 | 6.8        | 2.40   | 94.1  |
| 1256     | 5/26/2011 11:15 | 14.03  | 48.25  | 31.46        | 8.35    | 7.79 | 7.6        | 2.38   | 98.5  |
| 1257     | 5/26/2011 11:30 | 14.02  | 48.26  | 31.47        | 8.05    | 7.79 | 7.2        | 2.31   | 94.9  |
| 1258     | 5/26/2011 11:45 | 14.20  | 48.25  | 31.47        | 8.53    | 7.82 | 7.7        | 2.22   | 101.0 |
| 1259     | 5/26/2011 12:00 | 14.29  | 48.16  | 31.41        | 8.41    | 7.81 | 8.7        | 2.17   | 99.7  |
| 1260     | 5/26/2011 12:15 | 14.34  | 48.14  | 31.39        | 8.35    | 7.82 | 7.8        | 2.13   | 99.0  |
| 1261     | 5/26/2011 12:30 | 14.36  | 48.02  | 31.30        | 8.36    | 7.82 | 8.2        | 2.10   | 99.2  |
| 1262     | 5/26/2011 12:45 | 14.39  | 48.02  | 31.31        | 8.32    | 7.82 | 7.3        | 2.03   | 98.7  |
| 1263     | 5/26/2011 13:00 | 14.44  | 48.04  | 31.32        | 8.46    | 7.83 | 7.1        | 2.01   | 100.5 |
| 1264     | 5/26/2011 13:15 | 14.50  | 47.93  | 31.24        | 8.37    | 7.82 | 8.0        | 2.01   | 99.5  |
| 1265     | 5/26/2011 13:30 | 14.49  | 47.99  | 31.29        | 8.37    | 7.82 | 6.5        | 2.00   | 99.5  |
| 1266     | 5/26/2011 13:45 | 14.49  | 48.09  | 31.36        | 8.35    | 7.82 | 6.1        | 1.99   | 99.4  |
| 1267     | 5/26/2011 14:00 | 14.49  | 48.03  | 31.31        | 8.29    | 7.81 | 7.8        | 2.00   | 98.7  |
| 1268     | 5/26/2011 14:15 | 14.40  | 48.16  | 31.41        | 8.26    | 7.81 | 8.1        | 2.04   | 98.1  |
| 1269     | 5/26/2011 14:30 | 14.38  | 48.06  | 31.34        | 8.30    | 7.81 | 7.5        | 2.07   | 98.6  |
| 1270     | 5/26/2011 14:45 | 14.38  | 48.10  | 31.36        | 8.32    | 7.81 | 6.6        | 2.08   | 98.8  |
| 1271     | 5/26/2011 15:00 | 14.34  | 48.10  | 31.36        | 8.27    | 7.80 | 5.7        | 2.13   | 98.0  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1272     | 5/26/2011 15:15 | 14.30  | 48.07  | 31.34        | 8.32    | 7.79 | 7.8               | 2.20            | 98.6  |
| 1273     | 5/26/2011 15:30 | 14.20  | 48.06  | 31.33        | 8.22    | 7.78 | 5.9               | 2.25            | 97.2  |
| 1274     | 5/26/2011 15:45 | 14.14  | 48.14  | 31.39        | 8.12    | 7.78 | 5.3               | 2.28            | 95.9  |
| 1275     | 5/26/2011 16:00 | 14.11  | 48.19  | 31.42        | 8.04    | 7.77 | 5.3               | 2.36            | 94.9  |
| 1276     | 5/26/2011 16:15 | 14.09  | 48.27  | 31.48        | 8.22    | 7.78 | 5.8               | 2.43            | 97.0  |
| 1277     | 5/26/2011 16:30 | 14.03  | 48.32  | 31.51        | 8.26    | 7.78 | 5.1               | 2.48            | 97.4  |
| 1278     | 5/26/2011 16:45 | 13.88  | 48.35  | 31.53        | 8.17    | 7.77 | 4.8               | 2.52            | 96.1  |
| 1279     | 5/26/2011 17:00 | 13.78  | 48.40  | 31.57        | 8.12    | 7.77 | 4.9               | 2.61            | 95.3  |
| 1280     | 5/26/2011 17:15 | 13.83  | 48.88  | 31.91        | 8.13    | 7.77 | 4.9               | 2.67            | 95.7  |
| 1281     | 5/26/2011 17:30 | 13.85  | 48.50  | 31.64        | 8.10    | 7.78 | 5.4               | 2.73            | 95.3  |
| 1282     | 5/26/2011 17:45 | 13.80  | 48.47  | 31.61        | 8.11    | 7.77 | 5.4               | 2.81            | 95.3  |
| 1283     | 5/26/2011 18:00 | 13.63  | 48.40  | 31.56        | 8.21    | 7.77 | 5.7               | 2.86            | 96.1  |
| 1284     | 5/26/2011 18:15 | 13.46  | 48.58  | 31.69        | 8.14    | 7.77 | 5.9               | 2.93            | 95.0  |
| 1285     | 5/26/2011 18:30 | 13.32  | 48.39  | 31.54        | 8.20    | 7.76 | 6.0               | 2.98            | 95.4  |
| 1286     | 5/26/2011 18:45 | 13.16  | 48.37  | 31.52        | 8.21    | 7.76 | 5.1               | 3.06            | 95.1  |
| 1287     | 5/26/2011 19:00 | 12.91  | 48.65  | 31.71        | 8.55    | 7.78 | 6.3               | 3.13            | 98.6  |
| 1288     | 5/26/2011 19:15 | 12.67  | 49.10  | 32.03        | 8.81    | 7.79 | 5.0               | 3.19            | 101.4 |
| 1289     | 5/26/2011 19:30 | 12.57  | 48.92  | 31.90        | 8.99    | 7.80 | 4.9               | 3.25            | 103.2 |
| 1290     | 5/26/2011 19:45 | 12.49  | 48.87  | 31.86        | 9.14    | 7.81 | 4.7               | 3.31            | 104.7 |
| 1291     | 5/26/2011 20:00 | 12.31  | 48.85  | 31.84        | 9.41    | 7.84 | 4.3               | 3.35            | 107.4 |
| 1292     | 5/26/2011 20:15 | 12.27  | 48.76  | 31.77        | 9.44    | 7.84 | 3.1               | 3.39            | 107.6 |
| 1293     | 5/26/2011 20:30 | 12.20  | 48.91  | 31.87        | 9.52    | 7.85 | 3.1               | 3.43            | 108.4 |
| 1294     | 5/26/2011 20:45 | 12.17  | 48.96  | 31.91        | 9.45    | 7.85 | 3.1               | 3.44            | 107.6 |
| 1295     | 5/26/2011 21:00 | 12.37  | 48.89  | 31.87        | 9.15    | 7.83 | 3.3               | 3.43            | 104.5 |
| 1296     | 5/26/2011 21:15 | 12.31  | 48.96  | 31.92        | 9.15    | 7.83 | 3.1               | 3.42            | 104.4 |
| 1297     | 5/26/2011 21:30 | 12.31  | 49.34  | 32.19        | 9.16    | 7.83 | 3.4               | 3.37            | 104.7 |
| 1298     | 5/26/2011 21:45 | 12.49  | 48.77  | 31.79        | 8.98    | 7.81 | 4.3               | 3.33            | 102.8 |
| 1299     | 5/26/2011 22:00 | 12.71  | 48.75  | 31.78        | 8.76    | 7.81 | 4.4               | 3.28            | 100.7 |
| 1300     | 5/26/2011 22:15 | 12.96  | 48.50  | 31.61        | 8.48    | 7.79 | 5.4               | 3.19            | 97.9  |
| 1301     | 5/26/2011 22:30 | 12.96  | 48.63  | 31.70        | 8.33    | 7.78 | 7.0               | 3.12            | 96.3  |
| 1302     | 5/26/2011 22:45 | 13.17  | 48.54  | 31.65        | 8.25    | 7.78 | 5.8               | 3.05            | 95.7  |
| 1303     | 5/26/2011 23:00 | 13.08  | 48.61  | 31.69        | 8.34    | 7.78 | 4.8               | 2.98            | 96.7  |
| 1304     | 5/26/2011 23:15 | 13.22  | 48.43  | 31.57        | 8.28    | 7.78 | 6.2               | 2.88            | 96.1  |
| 1305     | 5/26/2011 23:30 | 13.43  | 48.46  | 31.60        | 8.15    | 7.78 | 5.7               | 2.80            | 95.0  |
| 1306     | 5/26/2011 23:45 | 13.64  | 48.81  | 31.85        | 8.03    | 7.78 | 5.7               | 2.74            | 94.2  |
| 1307     | 5/27/2011 0:00  | 13.73  | 48.29  | 31.48        | 8.01    | 7.78 | 6.4               | 2.64            | 93.9  |
| 1308     | 5/27/2011 0:15  | 13.81  | 48.78  | 31.84        | 8.01    | 7.79 | 6.2               | 2.55            | 94.3  |
| 1309     | 5/27/2011 0:30  | 13.74  | 48.77  | 31.83        | 7.91    | 7.78 | 13.2              | 2.49            | 93.0  |
| 1310     | 5/27/2011 0:45  | 13.78  | 48.30  | 31.49        | 7.97    | 7.79 | 8.2               | 2.39            | 93.6  |
| 1311     | 5/27/2011 1:00  | 13.78  | 48.12  | 31.36        | 7.99    | 7.79 | 8.2               | 2.32            | 93.7  |
| 1312     | 5/27/2011 1:15  | 13.69  | 48.31  | 31.50        | 7.95    | 7.78 | 7.9               | 2.23            | 93.2  |
| 1313     | 5/27/2011 1:30  | 13.79  | 48.21  | 31.43        | 8.03    | 7.79 | 8.7               | 2.15            | 94.2  |
| 1314     | 5/27/2011 1:45  | 13.82  | 48.15  | 31.38        | 8.08    | 7.79 | 7.8               | 2.09            | 94.8  |
| 1315     | 5/27/2011 2:00  | 13.81  | 48.10  | 31.35        | 8.03    | 7.80 | 9.2               | 2.02            | 94.2  |
| 1316     | 5/27/2011 2:15  | 13.91  | 48.51  | 31.64        | 8.03    | 7.80 | 8.2               | 1.97            | 94.5  |
| 1317     | 5/27/2011 2:30  | 14.04  | 48.06  | 31.32        | 8.05    | 7.81 | 7.4               | 1.95            | 94.8  |
| 1318     | 5/27/2011 2:45  | 14.06  | 47.85  | 31.17        | 7.97    | 7.80 | 6.0               | 1.91            | 93.8  |
| 1319     | 5/27/2011 3:00  | 14.07  | 47.99  | 31.28        | 7.98    | 7.80 | 4.8               | 1.90            | 94.0  |
| 1320     | 5/27/2011 3:15  | 14.01  | 48.01  | 31.29        | 8.07    | 7.81 | 6.7               | 1.90            | 95.1  |
| 1321     | 5/27/2011 3:30  | 13.98  | 48.03  | 31.30        | 7.99    | 7.80 | 6.7               | 1.92            | 94.0  |
| 1322     | 5/27/2011 3:45  | 13.95  | 47.99  | 31.27        | 7.97    | 7.80 | 6.7               | 1.95            | 93.8  |
| 1323     | 5/27/2011 4:00  | 13.92  | 47.95  | 31.24        | 7.90    | 7.79 | 6.5               | 1.98            | 92.8  |
| 1324     | 5/27/2011 4:15  | 13.90  | 48.09  | 31.35        | 7.85    | 7.78 | 6.9               | 2.03            | 92.3  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%    |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|--------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |        |
| 1325     | 5/27/2011 4:30 | 13.88  | 47.98  | 31.26        | 7.89    | 7.78 | 5.6        | 2.07   | 92.7   |
| 1326     | 5/27/2011 4:45 | 13.83  | 48.46  | 31.61        | 7.83    | 7.77 | 5.5        | 2.13   | 92.1   |
| 1327     | 5/27/2011 5:00 | 13.83  | 48.04  | 31.30        | 7.81    | 7.77 | 5.2        | 2.17   | 91.6   |
| 1328     | 5/27/2011 5:15 | 13.82  | 48.10  | 31.34        | 7.75    | 7.76 | 4.8        | 2.22   | 91.0   |
| 1329     | 5/27/2011 5:30 | 13.80  | 48.05  | 31.31        | 7.70    | 7.76 | 5.4        | 2.28   | 90.4   |
| 1330     | 5/27/2011 5:45 | 13.76  | 48.10  | 31.34        | 7.72    | 7.76 | 5.1        | 2.33   | 90.4   |
| 1331     | 5/27/2011 6:00 | 13.70  | 48.19  | 31.41        | 7.68    | 7.75 | 4.4        | 2.37   | 89.9   |
| 1332     | 5/27/2011 6:15 | 13.66  | 48.12  | 31.36        | 7.65    | 7.74 | 4.7        | 2.42   | 89.5   |
| 1333     | 5/27/2011 6:30 | 13.56  | 48.26  | 31.46        | 7.63    | 7.74 | 5.2        | 2.49   | 89.1   |
| 1334     | 5/27/2011 6:45 | 13.46  | 48.37  | 31.53        | 7.63    | 7.74 | 4.3        | 2.52   | 89.0   |
| 1335     | 5/27/2011 7:00 | 13.43  | 48.28  | 31.46        | 7.64    | 7.74 | 4.3        | 2.57   | 89.0   |
| 1336     | 5/27/2011 7:15 | 13.44  | 48.87  | 31.90        | 7.66    | 7.74 | 4.0        | 2.63   | 89.4   |
| 1337     | 5/27/2011 7:30 | 13.41  | 48.43  | 31.57        | 7.66    | 7.74 | 4.5        | 2.67   | 89.2   |
| 1338     | 5/27/2011 7:45 | 13.41  | 48.90  | 31.91        | 7.67    | 7.74 | 4.5        | 2.71   | 89.6   |
| 1339     | 5/27/2011 8:00 | 13.41  | 48.44  | 31.58        | 7.67    | 7.74 | 4.1        | 2.76   | 89.4   |
| 1340     | 5/27/2011 8:15 | 13.41  | 48.37  | 31.53        | 7.67    | 7.74 | 3.8        | 2.81   | 89.4   |
| 1341     | 5/27/2011 8:30 | 13.37  | 48.46  | 31.60        | 7.66    | 7.74 | 3.8        | 2.83   | 89.2   |
| 1342     | 5/27/2011 8:45 | 13.32  | 48.45  | 31.58        | 7.66    | 7.74 | 4.2        | 2.87   | 89.1   |
| 1343     | 5/27/2011 9:00 | 13.25  | 48.41  | 31.55        | 7.72    | 7.74 | 3.6        | 2.90   | 89.6   |
| Mean     |                | 13.10  | 48.33  | 31.48        | 8.92    | 7.82 | 8.86       | 2.49   | 103.02 |
| Minimum  |                | 9.32   | 46.15  | 29.95        | 7.54    | 7.71 | 1.90       | 0.54   | 87.80  |
| Maximum  |                | 15.79  | 50.18  | 32.66        | 11.06   | 7.96 | 51.60      | 4.07   | 130.40 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 0        | 5/27/2011 9:31  | 13.25  | 49.75  | 32.52        | 7.68    | 7.81 | 4.9        | 2.90   | 89.8  |
| 1        | 5/27/2011 9:46  | 13.25  | 49.08  | 32.04        | 8.03    | 7.82 | 3.8        | 2.64   | 93.5  |
| 2        | 5/27/2011 10:01 | 13.19  | 49.79  | 32.55        | 7.92    | 7.77 | 3.9        | 2.62   | 92.4  |
| 3        | 5/27/2011 10:16 | 13.19  | 49.82  | 32.58        | 7.81    | 7.76 | 3.2        | 2.59   | 91.1  |
| 4        | 5/27/2011 10:31 | 13.27  | 49.51  | 32.35        | 7.76    | 7.76 | 3.4        | 2.55   | 90.6  |
| 5        | 5/27/2011 10:46 | 13.40  | 49.54  | 32.38        | 7.68    | 7.76 | 3.8        | 2.50   | 89.9  |
| 6        | 5/27/2011 11:01 | 13.47  | 49.20  | 32.14        | 7.78    | 7.77 | 4.1        | 2.44   | 91.1  |
| 7        | 5/27/2011 11:16 | 13.64  | 49.11  | 32.07        | 7.85    | 7.77 | 5.1        | 2.39   | 92.3  |
| 8        | 5/27/2011 11:31 | 13.76  | 49.45  | 32.33        | 7.84    | 7.77 | 5.8        | 2.33   | 92.4  |
| 9        | 5/27/2011 11:46 | 13.94  | 49.29  | 32.21        | 7.78    | 7.85 | 5.2        | 2.27   | 92.0  |
| 10       | 5/27/2011 12:01 | 14.13  | 49.29  | 32.22        | 7.90    | 7.88 | 5.4        | 2.20   | 93.8  |
| 11       | 5/27/2011 12:16 | 14.26  | 49.13  | 32.11        | 7.87    | 7.78 | 4.9        | 2.16   | 93.6  |
| 12       | 5/27/2011 12:31 | 14.27  | 48.07  | 31.34        | 8.01    | 7.97 | 4.5        | 2.09   | 94.8  |
| 13       | 5/27/2011 12:46 | 14.36  | 49.14  | 32.12        | 8.12    | 7.79 | 4.8        | 2.04   | 96.8  |
| 14       | 5/27/2011 13:01 | 14.51  | 48.23  | 31.46        | 8.26    | 7.99 | 4.5        | 2.01   | 98.3  |
| 15       | 5/27/2011 13:16 | 14.67  | 48.68  | 31.79        | 8.37    | 7.99 | 9.5        | 1.95   | 100.2 |
| 16       | 5/27/2011 13:31 | 14.67  | 49.29  | 32.23        | 8.33    | 7.81 | 4.6        | 1.91   | 100.0 |
| 17       | 5/27/2011 13:46 | 14.79  | 49.10  | 32.10        | 8.45    | 7.91 | 4.4        | 1.89   | 101.6 |
| 18       | 5/27/2011 14:01 | 15.04  | 49.00  | 32.03        | 8.46    | 7.83 | 5.2        | 1.87   | 102.1 |
| 19       | 5/27/2011 14:16 | 15.09  | 48.95  | 32.00        | 8.45    | 7.82 | 4.6        | 1.85   | 102.2 |
| 20       | 5/27/2011 14:31 | 14.74  | 48.94  | 31.99        | 8.37    | 7.80 | 4.3        | 1.86   | 100.5 |
| 21       | 5/27/2011 14:46 | 15.01  | 49.25  | 32.22        | 8.63    | 7.82 | 4.6        | 1.86   | 104.4 |
| 22       | 5/27/2011 15:01 | 15.08  | 49.14  | 32.13        | 8.53    | 7.81 | 5.1        | 1.88   | 103.2 |
| 23       | 5/27/2011 15:16 | 14.94  | 48.55  | 31.70        | 8.51    | 7.81 | 4.5        | 1.92   | 102.4 |
| 24       | 5/27/2011 15:31 | 14.68  | 48.79  | 31.87        | 8.40    | 7.79 | 4.6        | 1.94   | 100.7 |
| 25       | 5/27/2011 15:46 | 14.87  | 48.48  | 31.65        | 8.45    | 7.80 | 5.1        | 1.98   | 101.5 |
| 26       | 5/27/2011 16:01 | 15.16  | 48.83  | 31.91        | 8.67    | 7.81 | 5.6        | 2.04   | 104.9 |
| 27       | 5/27/2011 16:16 | 15.15  | 49.05  | 32.07        | 8.58    | 7.80 | 5.1        | 2.07   | 103.9 |
| 28       | 5/27/2011 16:31 | 14.76  |        |              | 9.26    | 7.94 | 4.6        | 2.16   | 99.9  |
| 29       | 5/27/2011 16:46 | 14.60  | 49.01  | 32.03        | 8.27    | 7.96 | 4.2        | 2.18   | 99.0  |
| 30       | 5/27/2011 17:01 | 14.30  |        |              | 9.05    | 7.78 | 4.2        | 2.28   | 96.8  |
| 31       | 5/27/2011 17:16 | 14.04  | 49.03  | 32.03        | 8.04    | 7.76 | 4.7        | 2.31   | 95.2  |
| 32       | 5/27/2011 17:31 | 14.00  | 48.85  | 31.90        | 8.06    | 7.76 | 4.1        | 2.36   | 95.2  |
| 33       | 5/27/2011 17:46 | 13.86  |        |              | 8.95    | 7.77 | 4.5        | 2.47   | 94.7  |
| 34       | 5/27/2011 18:01 | 13.77  | 49.51  | 32.37        | 8.05    | 7.85 | 4.2        | 2.50   | 95.0  |
| 35       | 5/27/2011 18:16 | 13.72  | 48.36  | 31.53        | 8.12    | 7.76 | 4.4        | 2.56   | 95.1  |
| 36       | 5/27/2011 18:31 | 13.64  |        |              | 8.72    | 7.79 | 4.4        | 2.65   | 95.4  |
| 37       | 5/27/2011 18:46 | 13.64  | 49.26  | 32.18        | 8.23    | 7.77 | 4.7        | 2.71   | 96.8  |
| 38       | 5/27/2011 19:01 | 13.57  | 49.30  | 32.21        | 8.28    | 7.77 | 4.9        | 2.77   | 97.1  |
| 39       | 5/27/2011 19:16 | 13.50  | 49.38  | 32.27        | 8.56    | 7.80 | 4.9        | 2.84   | 100.4 |
| 40       | 5/27/2011 19:31 | 13.22  | 49.24  | 32.16        | 8.81    | 7.81 | 5.0        | 2.91   | 102.6 |
| 41       | 5/27/2011 19:46 | 13.18  | 49.65  | 32.45        | 9.17    | 7.84 | 5.0        | 2.97   | 107.0 |
| 42       | 5/27/2011 20:01 | 13.18  | 49.49  | 32.33        | 9.44    | 7.85 | 4.5        | 3.04   | 110.0 |
| 43       | 5/27/2011 20:16 | 13.11  | 49.17  | 32.10        | 9.69    | 7.87 | 4.2        | 3.09   | 112.6 |
| 44       | 5/27/2011 20:31 | 13.01  |        |              | 10.90   | 7.89 | 3.4        | 3.18   | 113.2 |
| 45       | 5/27/2011 20:46 | 12.87  | 49.73  | 32.50        | 10.01   | 7.98 | 3.1        | 3.19   | 116.0 |
| 46       | 5/27/2011 21:01 | 12.79  | 49.43  | 32.27        | 10.07   | 7.90 | 2.9        | 3.21   | 116.3 |
| 47       | 5/27/2011 21:16 | 12.78  |        |              | 11.03   | 7.90 | 2.1        | 3.27   | 114.4 |
| 48       | 5/27/2011 21:31 | 12.92  | 49.71  | 32.49        | 9.70    | 7.89 | 3.7        | 3.24   | 112.5 |
| 49       | 5/27/2011 21:46 | 12.80  | 49.43  | 32.27        | 9.80    | 7.88 | 2.7        | 3.22   | 113.3 |
| 50       | 5/27/2011 22:01 | 12.85  | 49.53  | 32.35        | 9.76    | 7.87 | 2.9        | 3.18   | 113.0 |
| 51       | 5/27/2011 22:16 | 12.93  | 49.35  | 32.22        | 9.61    | 7.87 | 3.9        | 3.15   | 111.3 |
| 52       | 5/27/2011 22:31 | 13.18  | 49.48  | 32.33        | 9.19    | 7.83 | 4.8        | 3.07   | 107.0 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 53       | 5/27/2011 22:46 | 13.23  | 49.50  | 32.35        | 8.49    | 7.79 | 6.8               | 3.00            | 99.0  |
| 54       | 5/27/2011 23:01 | 13.35  | 49.24  | 32.16        | 8.35    | 7.78 | 5.4               | 2.93            | 97.6  |
| 55       | 5/27/2011 23:16 | 13.68  | 49.55  | 32.40        | 8.71    | 7.80 | 6.3               | 2.83            | 102.5 |
| 56       | 5/27/2011 23:31 | 13.61  | 49.69  | 32.49        | 8.67    | 7.90 | 6.2               | 2.75            | 102.0 |
| 57       | 5/27/2011 23:46 | 13.82  |        |              | 9.36    | 7.80 | 6.1               | 2.71            | 98.5  |
| 58       | 5/28/2011 0:01  | 13.98  | 48.96  | 31.97        | 8.26    | 7.77 | 5.6               | 2.57            | 97.6  |
| 59       | 5/28/2011 0:16  | 14.12  | 48.82  | 31.88        | 8.23    | 7.77 | 5.6               | 2.49            | 97.5  |
| 60       | 5/28/2011 0:31  | 14.43  | 49.17  | 32.14        | 8.06    | 7.77 | 6.5               | 2.40            | 96.2  |
| 61       | 5/28/2011 0:46  | 14.58  | 49.33  | 32.26        | 8.44    | 7.80 | 6.6               | 2.31            | 101.2 |
| 62       | 5/28/2011 1:01  | 14.49  | 48.35  | 31.55        | 8.21    | 7.96 | 6.8               | 2.21            | 97.8  |
| 63       | 5/28/2011 1:16  | 14.55  | 48.02  | 31.31        | 8.51    | 7.97 | 7.5               | 2.13            | 101.3 |
| 64       | 5/28/2011 1:31  | 14.71  | 48.79  | 31.87        | 8.66    | 7.82 | 7.6               | 2.02            | 103.8 |
| 65       | 5/28/2011 1:46  | 14.47  | 48.79  | 31.87        | 8.50    | 7.80 | 8.2               | 1.93            | 101.4 |
| 66       | 5/28/2011 2:01  | 14.62  | 48.55  | 31.69        | 8.51    | 7.81 | 8.4               | 1.84            | 101.7 |
| 67       | 5/28/2011 2:16  | 14.80  | 48.83  | 31.91        | 8.55    | 7.82 | 8.4               | 1.75            | 102.7 |
| 68       | 5/28/2011 2:31  | 14.92  | 48.66  | 31.78        | 8.54    | 7.82 | 8.9               | 1.67            | 102.8 |
| 69       | 5/28/2011 2:46  | 15.17  | 48.43  | 31.62        | 8.66    | 8.03 | 9.0               | 1.59            | 104.6 |
| 70       | 5/28/2011 3:01  | 15.27  | 48.55  | 31.71        | 8.70    | 7.84 | 8.9               | 1.54            | 105.4 |
| 71       | 5/28/2011 3:16  | 15.35  | 48.59  | 31.74        | 8.70    | 7.85 | 8.2               | 1.50            | 105.6 |
| 72       | 5/28/2011 3:31  | 15.37  | 48.92  | 31.98        | 8.62    | 7.84 | 6.9               | 1.47            | 104.7 |
| 73       | 5/28/2011 3:46  | 15.32  | 48.61  | 31.76        | 8.52    | 7.84 | 5.6               | 1.44            | 103.3 |
| 74       | 5/28/2011 4:01  | 15.23  | 48.49  | 31.67        | 8.53    | 7.84 | 4.6               | 1.46            | 103.2 |
| 75       | 5/28/2011 4:16  | 15.15  | 48.66  | 31.79        | 8.49    | 7.82 | 6.2               | 1.46            | 102.6 |
| 76       | 5/28/2011 4:31  | 15.08  |        |              | 9.26    | 7.83 | 6.8               | 1.50            | 101.1 |
| 77       | 5/28/2011 4:46  | 15.04  | 49.06  | 32.08        | 8.47    | 7.82 | 6.7               | 1.54            | 102.3 |
| 78       | 5/28/2011 5:01  | 15.00  | 48.98  | 32.02        | 8.41    | 7.81 | 6.7               | 1.58            | 101.5 |
| 79       | 5/28/2011 5:16  | 14.99  | 48.54  | 31.69        | 8.48    | 7.81 | 5.4               | 1.63            | 102.1 |
| 80       | 5/28/2011 5:31  | 15.01  | 48.73  | 31.84        | 8.42    | 7.80 | 5.4               | 1.69            | 101.5 |
| 81       | 5/28/2011 5:46  | 15.00  | 48.37  | 31.58        | 8.44    | 7.80 | 5.3               | 1.74            | 101.5 |
| 82       | 5/28/2011 6:01  | 14.96  | 48.31  | 31.53        | 8.35    | 7.79 | 5.3               | 1.79            | 100.4 |
| 83       | 5/28/2011 6:16  | 14.93  | 48.47  | 31.65        | 8.28    | 7.79 | 5.0               | 1.86            | 99.5  |
| 84       | 5/28/2011 6:31  | 14.90  | 48.41  | 31.60        | 8.25    | 7.78 | 4.9               | 1.92            | 99.2  |
| 85       | 5/28/2011 6:46  | 14.82  | 48.60  | 31.73        | 8.20    | 7.78 | 5.1               | 1.98            | 98.4  |
| 86       | 5/28/2011 7:01  | 14.60  | 48.38  | 31.57        | 8.07    | 7.94 | 4.8               | 2.03            | 96.3  |
| 87       | 5/28/2011 7:16  | 14.52  | 48.34  | 31.54        | 8.03    | 7.93 | 5.1               | 2.10            | 95.7  |
| 88       | 5/28/2011 7:31  | 14.33  | 48.86  | 31.92        | 7.95    | 7.76 | 5.2               | 2.16            | 94.7  |
| 89       | 5/28/2011 7:46  | 14.21  | 49.09  | 32.08        | 7.93    | 7.74 | 5.3               | 2.22            | 94.2  |
| 90       | 5/28/2011 8:01  | 14.07  | 49.09  | 32.08        | 7.88    | 7.83 | 5.0               | 2.28            | 93.4  |
| 91       | 5/28/2011 8:16  | 14.00  | 48.17  | 31.40        | 7.90    | 7.74 | 4.6               | 2.33            | 93.0  |
| 92       | 5/28/2011 8:31  | 13.94  |        |              | 8.79    | 7.74 | 4.5               | 2.42            | 93.3  |
| 93       | 5/28/2011 8:46  | 13.89  | 46.90  | 30.48        | 8.01    | 7.74 | 4.4               | 2.44            | 93.6  |
| 94       | 5/28/2011 9:01  | 13.81  | 49.38  | 32.28        | 7.94    | 7.74 | 4.5               | 2.49            | 93.7  |
| 95       | 5/28/2011 9:16  | 13.71  | 49.51  | 32.37        | 7.97    | 7.74 | 4.8               | 2.53            | 93.9  |
| 96       | 5/28/2011 9:31  | 13.60  | 49.12  | 32.08        | 8.10    | 7.75 | 4.0               | 2.58            | 95.1  |
| 97       | 5/28/2011 9:46  | 13.55  | 49.21  | 32.14        | 8.11    | 7.75 | 3.4               | 2.62            | 95.1  |
| 98       | 5/28/2011 10:01 | 13.50  | 49.16  | 32.11        | 8.14    | 7.76 | 2.7               | 2.64            | 95.3  |
| 99       | 5/28/2011 10:16 | 13.48  | 49.44  | 32.31        | 8.09    | 7.75 | 2.2               | 2.68            | 94.8  |
| 100      | 5/28/2011 10:31 | 13.43  | 49.24  | 32.16        | 8.00    | 7.76 | 1.6               | 2.68            | 93.6  |
| 101      | 5/28/2011 10:46 | 13.42  | 49.48  | 32.34        | 8.09    | 7.76 | 3.8               | 2.69            | 94.7  |
| 102      | 5/28/2011 11:01 | 13.45  | 49.45  | 32.31        | 8.04    | 7.75 | 2.3               | 2.67            | 94.2  |
| 103      | 5/28/2011 11:16 | 13.35  | 49.61  | 32.43        | 8.20    | 7.76 | 2.9               | 2.65            | 95.9  |
| 104      | 5/28/2011 11:31 | 13.45  | 49.06  | 32.03        | 8.13    | 7.76 | 3.2               | 2.62            | 95.0  |
| 105      | 5/28/2011 11:46 | 13.62  | 49.31  | 32.22        | 8.01    | 7.75 | 3.4               | 2.57            | 94.1  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 106      | 5/28/2011 12:01 | 13.81  | 49.13  | 32.10        | 8.09    | 7.75 | 3.9        | 2.50   | 95.3  |
| 107      | 5/28/2011 12:16 | 13.77  | 49.42  | 32.30        | 8.03    | 7.75 | 4.7        | 2.45   | 94.7  |
| 108      | 5/28/2011 12:31 | 13.88  | 49.39  | 32.29        | 8.05    | 7.75 | 4.5        | 2.39   | 95.1  |
| 109      | 5/28/2011 12:46 | 14.05  | 49.03  | 32.03        | 8.10    | 7.75 | 5.0        | 2.33   | 95.9  |
| 110      | 5/28/2011 13:01 | 14.19  | 49.11  | 32.09        | 8.16    | 7.76 | 5.4        | 2.26   | 96.9  |
| 111      | 5/28/2011 13:16 | 14.31  | 49.13  | 32.11        | 8.22    | 7.77 | 5.7        | 2.22   | 97.8  |
| 112      | 5/28/2011 13:31 | 14.44  | 48.67  | 31.78        | 8.21    | 7.77 | 5.5        | 2.17   | 97.8  |
| 113      | 5/28/2011 13:46 | 14.51  | 49.26  | 32.21        | 8.17    | 7.76 | 4.3        | 2.11   | 97.8  |
| 114      | 5/28/2011 14:01 | 14.73  | 48.72  | 31.82        | 8.35    | 7.78 | 4.6        | 2.06   | 100.1 |
| 115      | 5/28/2011 14:16 | 14.83  | 49.11  | 32.11        | 8.32    | 7.78 | 4.5        | 2.04   | 100.2 |
| 116      | 5/28/2011 14:31 | 14.92  | 48.71  | 31.82        | 8.44    | 7.78 | 5.0        | 2.00   | 101.6 |
| 117      | 5/28/2011 14:46 | 15.13  | 49.11  | 32.11        | 8.42    | 7.77 | 5.3        | 1.95   | 101.9 |
| 118      | 5/28/2011 15:01 | 15.12  | 48.79  | 31.88        | 8.37    | 7.78 | 3.8        | 1.96   | 101.1 |
| 119      | 5/28/2011 15:16 | 15.18  | 49.15  | 32.15        | 8.64    | 7.80 | 4.2        | 1.94   | 104.7 |
| 120      | 5/28/2011 15:31 | 15.22  | 49.08  | 32.10        | 8.75    | 7.81 | 5.9        | 1.95   | 106.1 |
| 121      | 5/28/2011 15:46 | 15.02  | 49.15  | 32.14        | 8.64    | 7.80 | 4.3        | 1.96   | 104.4 |
| 122      | 5/28/2011 16:01 | 15.09  | 48.94  | 31.99        | 8.71    | 7.80 | 5.1        | 1.99   | 105.2 |
| 123      | 5/28/2011 16:16 | 15.05  | 48.85  | 31.93        | 8.71    | 7.98 | 4.8        | 2.03   | 105.2 |
| 124      | 5/28/2011 16:31 | 14.98  | 49.16  | 32.15        | 8.61    | 7.79 | 4.5        | 2.05   | 103.9 |
| 125      | 5/28/2011 16:46 | 14.87  | 48.99  | 32.02        | 8.55    | 7.78 | 4.8        | 2.09   | 102.9 |
| 126      | 5/28/2011 17:01 | 14.76  | 48.85  | 31.92        | 8.54    | 7.78 | 4.8        | 2.15   | 102.5 |
| 127      | 5/28/2011 17:16 | 14.78  | 48.66  | 31.78        | 8.57    | 7.78 | 4.9        | 2.22   | 102.8 |
| 128      | 5/28/2011 17:31 | 14.75  | 48.60  | 31.73        | 8.58    | 7.96 | 5.1        | 2.27   | 102.8 |
| 129      | 5/28/2011 17:46 | 14.63  | 48.91  | 31.96        | 8.67    | 7.79 | 4.8        | 2.32   | 103.9 |
| 130      | 5/28/2011 18:01 | 14.57  | 49.01  | 32.03        | 8.67    | 7.78 | 4.9        | 2.39   | 103.8 |
| 131      | 5/28/2011 18:16 | 14.49  | 49.14  | 32.12        | 8.53    | 7.78 | 4.3        | 2.46   | 102.0 |
| 132      | 5/28/2011 18:31 | 14.32  | 48.70  | 31.79        | 8.52    | 7.95 | 4.8        | 2.53   | 101.2 |
| 133      | 5/28/2011 18:46 | 14.12  | 49.23  | 32.18        | 8.52    | 7.77 | 4.9        | 2.59   | 101.1 |
| 134      | 5/28/2011 19:01 | 14.00  | 49.56  | 32.41        | 8.53    | 7.77 | 4.1        | 2.66   | 101.1 |
| 135      | 5/28/2011 19:16 | 13.74  | 49.26  | 32.19        | 8.63    | 7.78 | 4.9        | 2.74   | 101.6 |
| 136      | 5/28/2011 19:31 | 13.66  | 49.30  | 32.21        | 8.66    | 7.79 | 4.6        | 2.79   | 101.9 |
| 137      | 5/28/2011 19:46 | 13.53  | 49.39  | 32.27        | 8.77    | 7.80 | 4.1        | 2.88   | 102.8 |
| 138      | 5/28/2011 20:01 | 13.38  | 49.03  | 32.00        | 9.03    | 7.82 | 4.8        | 2.96   | 105.4 |
| 139      | 5/28/2011 20:16 | 13.29  | 49.45  | 32.31        | 9.19    | 7.90 | 4.3        | 3.02   | 107.3 |
| 140      | 5/28/2011 20:31 | 13.21  | 49.58  | 32.40        | 9.41    | 7.85 | 4.9        | 3.08   | 109.8 |
| 141      | 5/28/2011 20:46 | 13.10  | 49.55  | 32.37        | 9.61    | 7.87 | 3.6        | 3.15   | 111.8 |
| 142      | 5/28/2011 21:01 | 13.02  | 49.56  | 32.38        | 9.84    | 7.96 | 3.0        | 3.20   | 114.3 |
| 143      | 5/28/2011 21:16 | 13.00  | 49.40  | 32.26        | 9.88    | 7.90 | 2.6        | 3.23   | 114.6 |
| 144      | 5/28/2011 21:31 | 12.98  | 49.46  | 32.31        | 9.84    | 7.90 | 2.0        | 3.27   | 114.1 |
| 145      | 5/28/2011 21:46 | 13.24  | 48.90  | 31.91        | 9.49    | 7.88 | 3.7        | 3.28   | 110.4 |
| 146      | 5/28/2011 22:01 | 13.13  | 49.52  | 32.36        | 9.35    | 7.85 | 5.1        | 3.29   | 108.8 |
| 147      | 5/28/2011 22:16 | 13.14  | 49.74  | 32.51        | 8.79    | 7.89 | 8.1        | 3.27   | 102.5 |
| 148      | 5/28/2011 22:31 | 13.02  | 49.59  | 32.40        | 8.99    | 7.84 | 8.4        | 3.23   | 104.5 |
| 149      | 5/28/2011 22:46 | 12.91  | 49.54  | 32.36        | 9.14    | 7.85 | 11.7       | 3.19   | 105.9 |
| 150      | 5/28/2011 23:01 | 12.85  | 49.40  | 32.26        | 9.25    | 7.86 | 15.7       | 3.13   | 107.0 |
| 151      | 5/28/2011 23:16 | 12.81  | 49.50  | 32.33        | 9.27    | 7.86 | 14.4       | 3.05   | 107.2 |
| 152      | 5/28/2011 23:31 | 12.80  | 49.65  | 32.44        | 9.27    | 7.93 | 18.1       | 2.97   | 107.2 |
| 153      | 5/28/2011 23:46 | 12.79  | 49.64  | 32.43        | 9.23    | 7.93 | 21.2       | 2.88   | 106.7 |
| 154      | 5/29/2011 0:01  | 12.73  | 49.62  | 32.41        | 9.17    | 7.93 | 19.3       | 2.80   | 105.9 |
| 155      | 5/29/2011 0:16  | 12.78  | 49.24  | 32.14        | 9.09    | 7.85 | 20.4       | 2.72   | 104.9 |
| 156      | 5/29/2011 0:31  | 12.75  | 49.63  | 32.42        | 9.06    | 7.93 | 19.4       | 2.61   | 104.6 |
| 157      | 5/29/2011 0:46  | 12.87  | 49.62  | 32.41        | 8.86    | 7.91 | 22.1       | 2.52   | 102.6 |
| 158      | 5/29/2011 1:01  | 13.09  | 49.68  | 32.47        | 8.53    | 7.88 | 25.5       | 2.44   | 99.3  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 159      | 5/29/2011 1:16  | 13.14  | 49.63  | 32.44        | 8.40    | 7.79 | 26.8              | 2.33            | 97.9 |
| 160      | 5/29/2011 1:31  | 13.24  | 49.30  | 32.20        | 8.42    | 7.79 | 25.0              | 2.23            | 98.2 |
| 161      | 5/29/2011 1:46  | 13.59  | 49.34  | 32.24        | 8.39    | 7.79 | 31.2              | 2.13            | 98.5 |
| 162      | 5/29/2011 2:01  | 13.87  | 49.08  | 32.06        | 8.28    | 7.78 | 25.0              | 2.03            | 97.6 |
| 163      | 5/29/2011 2:16  | 13.78  | 49.38  | 32.28        | 8.25    | 7.78 | 23.9              | 1.91            | 97.2 |
| 164      | 5/29/2011 2:31  | 13.22  | 49.47  | 32.32        | 8.30    | 7.78 | 24.0              | 1.80            | 96.7 |
| 165      | 5/29/2011 2:46  | 14.02  | 49.40  | 32.30        | 8.19    | 7.79 | 23.6              | 1.70            | 97.0 |
| 166      | 5/29/2011 3:01  | 14.06  | 48.98  | 31.99        | 8.14    | 7.79 | 20.4              | 1.61            | 96.4 |
| 167      | 5/29/2011 3:16  | 14.35  | 49.25  | 32.20        | 8.04    | 7.79 | 17.9              | 1.51            | 95.9 |
| 168      | 5/29/2011 3:31  | 14.32  | 49.32  | 32.25        | 8.05    | 7.88 | 17.6              | 1.42            | 95.9 |
| 169      | 5/29/2011 3:46  | 14.54  | 49.26  | 32.21        | 7.99    | 7.79 | 16.5              | 1.38            | 95.7 |
| 170      | 5/29/2011 4:01  | 14.67  | 48.88  | 31.94        | 8.01    | 7.81 | 17.7              | 1.31            | 96.0 |
| 171      | 5/29/2011 4:16  | 14.66  | 49.14  | 32.12        | 7.97    | 7.80 | 15.5              | 1.27            | 95.6 |
| 172      | 5/29/2011 4:31  | 14.99  | 48.51  | 31.67        | 7.90    | 7.83 | 18.6              | 1.24            | 95.2 |
| 173      | 5/29/2011 4:46  | 15.04  | 48.54  | 31.70        | 7.85    | 8.02 | 16.8              | 1.25            | 94.6 |
| 174      | 5/29/2011 5:01  | 14.92  | 48.60  | 31.74        | 7.86    | 8.01 | 15.8              | 1.26            | 94.5 |
| 175      | 5/29/2011 5:16  | 14.95  | 48.84  | 31.92        | 7.94    | 7.83 | 17.2              | 1.30            | 95.7 |
| 176      | 5/29/2011 5:31  | 14.88  | 49.00  | 32.03        | 7.95    | 7.82 | 14.3              | 1.33            | 95.7 |
| 177      | 5/29/2011 5:46  | 14.87  | 48.66  | 31.79        | 7.97    | 7.82 | 15.3              | 1.39            | 95.8 |
| 178      | 5/29/2011 6:01  | 14.83  | 48.84  | 31.91        | 7.94    | 7.81 | 15.4              | 1.46            | 95.4 |
| 179      | 5/29/2011 6:16  | 14.70  | 48.48  | 31.65        | 7.91    | 7.80 | 16.2              | 1.52            | 94.7 |
| 180      | 5/29/2011 6:31  | 14.69  | 48.65  | 31.77        | 7.86    | 7.79 | 16.2              | 1.59            | 94.1 |
| 181      | 5/29/2011 6:46  | 14.67  | 48.33  | 31.54        | 7.83    | 7.79 | 15.1              | 1.66            | 93.6 |
| 182      | 5/29/2011 7:01  | 14.63  | 48.42  | 31.60        | 7.82    | 7.78 | 14.6              | 1.73            | 93.4 |
| 183      | 5/29/2011 7:16  | 14.58  | 48.88  | 31.94        | 7.80    | 7.78 | 14.4              | 1.80            | 93.3 |
| 184      | 5/29/2011 7:31  | 14.53  | 48.57  | 31.70        | 7.82    | 7.77 | 14.2              | 1.88            | 93.3 |
| 185      | 5/29/2011 7:46  | 14.43  | 49.09  | 32.08        | 7.77    | 7.77 | 15.1              | 1.94            | 92.8 |
| 186      | 5/29/2011 8:01  | 14.30  | 48.55  | 31.68        | 7.80    | 7.76 | 13.8              | 2.02            | 92.6 |
| 187      | 5/29/2011 8:16  | 14.18  | 49.10  | 32.08        | 7.80    | 7.76 | 12.0              | 2.08            | 92.6 |
| 188      | 5/29/2011 8:31  | 14.02  | 48.99  | 32.00        | 7.88    | 7.75 | 9.8               | 2.15            | 93.2 |
| 189      | 5/29/2011 8:46  | 13.94  | 49.12  | 32.09        | 7.95    | 7.75 | 8.9               | 2.22            | 94.0 |
| 190      | 5/29/2011 9:01  | 13.90  | 49.18  | 32.14        | 7.98    | 7.76 | 8.1               | 2.28            | 94.2 |
| 191      | 5/29/2011 9:16  | 13.85  | 49.29  | 32.21        | 8.03    | 7.76 | 7.7               | 2.34            | 94.8 |
| 192      | 5/29/2011 9:31  | 13.84  | 49.09  | 32.07        | 8.04    | 7.76 | 7.1               | 2.40            | 94.8 |
| 193      | 5/29/2011 9:46  | 13.77  | 49.25  | 32.18        | 8.05    | 7.76 | 6.9               | 2.44            | 94.8 |
| 194      | 5/29/2011 10:01 | 13.72  | 49.09  | 32.06        | 8.08    | 7.84 | 6.9               | 2.50            | 95.0 |
| 195      | 5/29/2011 10:16 | 13.70  | 49.20  | 32.15        | 8.08    | 7.77 | 7.0               | 2.55            | 95.1 |
| 196      | 5/29/2011 10:31 | 13.69  | 49.14  | 32.10        | 8.08    | 7.77 | 5.2               | 2.57            | 95.0 |
| 197      | 5/29/2011 10:46 | 13.71  | 49.04  | 32.03        | 8.12    | 7.77 | 4.3               | 2.60            | 95.5 |
| 198      | 5/29/2011 11:01 | 13.68  | 49.33  | 32.23        | 8.06    | 7.77 | 3.8               | 2.64            | 94.8 |
| 199      | 5/29/2011 11:16 | 13.65  | 49.51  | 32.36        | 8.03    | 7.85 | 3.4               | 2.66            | 94.5 |
| 200      | 5/29/2011 11:31 | 13.67  | 49.22  | 32.16        | 7.75    | 7.76 | 34.1              | 2.67            | 91.2 |
| 201      | 5/29/2011 11:46 | 13.57  | 49.04  | 32.02        | 8.03    | 7.77 | 6.2               | 2.65            | 94.2 |
| 202      | 5/29/2011 12:01 | 13.61  | 49.15  | 32.10        | 7.90    | 7.76 | 4.2               | 2.65            | 92.7 |
| 203      | 5/29/2011 12:16 | 13.69  | 49.01  | 32.00        | 7.89    | 7.76 | 5.0               | 2.62            | 92.7 |
| 204      | 5/29/2011 12:31 | 14.01  | 49.14  | 32.11        | 8.07    | 7.77 | 9.8               | 2.58            | 95.5 |
| 205      | 5/29/2011 12:46 | 14.17  | 49.05  | 32.04        | 8.21    | 7.86 | 15.7              | 2.52            | 97.4 |
| 206      | 5/29/2011 13:01 | 14.26  | 49.01  | 32.02        | 8.25    | 7.78 | 21.3              | 2.46            | 98.1 |
| 207      | 5/29/2011 13:16 | 14.35  | 49.03  | 32.04        | 8.30    | 7.78 | 21.4              | 2.41            | 98.9 |
| 208      | 5/29/2011 13:31 | 14.41  | 48.90  | 31.94        | 8.27    | 7.78 | 25.6              | 2.36            | 98.5 |
| 209      | 5/29/2011 13:46 | 14.51  | 48.72  | 31.82        | 8.25    | 7.95 | 28.4              | 2.29            | 98.5 |
| 210      | 5/29/2011 14:01 | 14.64  | 48.38  | 31.57        | 8.17    | 7.78 | 22.9              | 2.23            | 97.7 |
| 211      | 5/29/2011 14:16 | 14.76  | 48.45  | 31.63        | 8.05    | 7.77 | 15.7              | 2.19            | 96.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 212      | 5/29/2011 14:31 | 14.88  | 48.62  | 31.75        | 7.97    | 7.76 | 20.8              | 2.14            | 95.8  |
| 213      | 5/29/2011 14:46 | 14.94  | 48.33  | 31.54        | 7.91    | 7.82 | 17.8              | 2.09            | 95.0  |
| 214      | 5/29/2011 15:01 | 15.05  | 48.35  | 31.56        | 7.94    | 7.92 | 19.1              | 2.04            | 95.6  |
| 215      | 5/29/2011 15:16 | 15.15  | 48.94  | 31.99        | 7.91    | 7.85 | 16.4              | 2.00            | 95.7  |
| 216      | 5/29/2011 15:31 | 15.27  | 48.47  | 31.65        | 7.93    | 7.77 | 21.9              | 1.98            | 96.0  |
| 217      | 5/29/2011 15:46 | 15.41  | 48.37  | 31.59        | 7.85    | 7.76 | 17.5              | 1.94            | 95.3  |
| 218      | 5/29/2011 16:01 | 15.42  | 48.71  | 31.83        | 7.89    | 7.84 | 19.2              | 1.94            | 95.9  |
| 219      | 5/29/2011 16:16 | 15.49  | 48.67  | 31.80        | 7.81    | 7.77 | 14.4              | 1.95            | 95.0  |
| 220      | 5/29/2011 16:31 | 15.66  | 48.76  | 31.87        | 8.11    | 7.79 | 15.3              | 1.95            | 99.1  |
| 221      | 5/29/2011 16:46 | 15.56  | 48.97  | 32.02        | 8.28    | 7.79 | 16.8              | 1.98            | 101.0 |
| 222      | 5/29/2011 17:01 | 15.58  | 48.34  | 31.57        | 8.20    | 7.79 | 15.8              | 2.01            | 99.9  |
| 223      | 5/29/2011 17:16 | 15.71  | 48.74  | 31.86        | 8.22    | 7.86 | 16.5              | 2.05            | 100.5 |
| 224      | 5/29/2011 17:31 | 15.63  | 48.64  | 31.78        | 8.10    | 7.78 | 19.0              | 2.11            | 98.9  |
| 225      | 5/29/2011 17:46 | 15.48  | 48.74  | 31.85        | 8.18    | 7.78 | 17.2              | 2.17            | 99.6  |
| 226      | 5/29/2011 18:01 | 15.29  | 48.84  | 31.92        | 8.15    | 7.77 | 14.9              | 2.21            | 98.9  |
| 227      | 5/29/2011 18:16 | 15.46  | 48.60  | 31.75        | 8.30    | 7.78 | 15.7              | 2.28            | 100.9 |
| 228      | 5/29/2011 18:31 | 15.31  | 48.66  | 31.79        | 8.17    | 7.77 | 13.9              | 2.34            | 99.0  |
| 229      | 5/29/2011 18:46 | 15.23  | 48.80  | 31.90        | 8.19    | 7.77 | 13.1              | 2.39            | 99.2  |
| 230      | 5/29/2011 19:01 | 15.02  | 48.79  | 31.88        | 8.28    | 7.78 | 15.7              | 2.46            | 99.9  |
| 231      | 5/29/2011 19:16 | 14.77  | 48.32  | 31.53        | 8.32    | 7.78 | 13.5              | 2.52            | 99.7  |
| 232      | 5/29/2011 19:31 | 14.39  | 47.73  | 31.09        | 8.52    | 7.80 | 14.6              | 2.60            | 101.0 |
| 233      | 5/29/2011 19:46 | 14.13  | 48.50  | 31.65        | 8.64    | 7.82 | 14.1              | 2.66            | 102.2 |
| 234      | 5/29/2011 20:01 | 13.97  | 47.79  | 31.13        | 8.79    | 7.83 | 13.5              | 2.73            | 103.4 |
| 235      | 5/29/2011 20:16 | 13.89  | 48.99  | 32.00        | 8.75    | 7.90 | 12.2              | 2.81            | 103.3 |
| 236      | 5/29/2011 20:31 | 13.84  | 46.16  | 29.95        | 8.91    | 7.84 | 12.2              | 2.88            | 103.7 |
| 237      | 5/29/2011 20:46 | 13.65  |        |              | 9.26    | 7.86 | 12.2              | 2.97            | 103.9 |
| 238      | 5/29/2011 21:01 | 13.55  |        |              | 9.28    | 7.86 | 11.8              | 3.03            | 104.4 |
| 239      | 5/29/2011 21:16 | 13.43  |        |              | 9.38    | 7.88 | 11.4              | 3.11            | 105.9 |
| 240      | 5/29/2011 21:31 | 13.29  | 47.13  | 30.63        | 9.19    | 7.94 | 10.0              | 3.14            | 106.2 |
| 241      | 5/29/2011 21:46 | 13.15  | 47.77  | 31.08        | 9.24    | 7.95 | 8.9               | 3.20            | 106.8 |
| 242      | 5/29/2011 22:01 | 13.09  | 46.04  | 29.83        | 9.32    | 7.90 | 4.6               | 3.26            | 106.7 |
| 243      | 5/29/2011 22:16 | 13.07  |        |              | 9.37    | 8.04 | 3.8               | 3.28            | 105.7 |
| 244      | 5/29/2011 22:31 | 13.43  | 47.50  | 30.90        | 8.85    | 7.88 | 5.9               | 3.28            | 102.7 |
| 245      | 5/29/2011 22:46 | 13.38  | 48.34  | 31.51        | 8.72    | 7.92 | 4.5               | 3.27            | 101.5 |
| 246      | 5/29/2011 23:01 | 13.42  |        |              | 8.82    | 7.86 | 4.5               | 3.26            | 99.6  |
| 247      | 5/29/2011 23:16 | 13.45  | 45.63  | 29.56        | 8.69    | 7.85 | 7.5               | 3.21            | 100.1 |
| 248      | 5/29/2011 23:31 | 13.43  | 48.65  | 31.73        | 8.64    | 7.85 | 8.0               | 3.15            | 100.9 |
| 249      | 5/29/2011 23:46 | 13.46  | 47.26  | 30.72        | 8.69    | 7.85 | 11.4              | 3.07            | 100.8 |
| 250      | 5/30/2011 0:01  | 13.41  | 48.04  | 31.29        | 8.70    | 7.85 | 9.2               | 2.99            | 101.2 |
| 251      | 5/30/2011 0:16  | 13.58  | 48.63  | 31.72        | 8.54    | 7.83 | 11.5              | 2.90            | 100.0 |
| 252      | 5/30/2011 0:31  | 13.97  | 48.65  | 31.75        | 8.51    | 7.83 | 16.9              | 2.80            | 100.4 |
| 253      | 5/30/2011 0:46  | 14.03  | 48.83  | 31.88        | 8.42    | 7.82 | 17.5              | 2.71            | 99.5  |
| 254      | 5/30/2011 1:01  | 14.29  | 47.35  | 30.82        | 8.24    | 7.80 | 17.6              | 2.62            | 97.4  |
| 255      | 5/30/2011 1:16  | 14.53  | 48.79  | 31.87        | 8.00    | 7.78 | 17.2              | 2.51            | 95.5  |
| 256      | 5/30/2011 1:31  | 14.75  | 47.37  | 30.84        | 7.96    | 7.77 | 17.8              | 2.42            | 94.9  |
| 257      | 5/30/2011 1:46  | 14.76  | 48.04  | 31.33        | 7.96    | 7.78 | 18.6              | 2.30            | 95.1  |
| 258      | 5/30/2011 2:01  | 14.68  | 47.97  | 31.27        | 7.94    | 7.77 | 21.9              | 2.20            | 94.7  |
| 259      | 5/30/2011 2:16  | 14.57  | 48.76  | 31.85        | 7.99    | 7.85 | 19.3              | 2.10            | 95.5  |
| 260      | 5/30/2011 2:31  | 14.40  | 47.23  | 30.74        | 8.06    | 7.78 | 17.0              | 1.97            | 95.3  |
| 261      | 5/30/2011 2:46  | 14.70  | 48.55  | 31.70        | 7.94    | 7.77 | 21.4              | 1.85            | 95.0  |
| 262      | 5/30/2011 3:01  | 14.53  | 48.47  | 31.63        | 7.93    | 7.77 | 20.1              | 1.74            | 94.6  |
| 263      | 5/30/2011 3:16  | 14.70  | 48.39  | 31.58        | 7.82    | 7.76 | 18.9              | 1.62            | 93.6  |
| 264      | 5/30/2011 3:31  | 14.85  | 48.34  | 31.55        | 7.69    | 7.81 | 19.0              | 1.50            | 92.2  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 265      | 5/30/2011 3:46  | 14.86  | 47.85  | 31.19        | 7.69    | 7.75 | 17.6              | 1.40            | 92.1  |
| 266      | 5/30/2011 4:01  | 14.99  | 48.43  | 31.62        | 7.60    | 7.80 | 16.6              | 1.32            | 91.4  |
| 267      | 5/30/2011 4:16  | 15.14  | 48.00  | 31.31        | 7.57    | 7.74 | 18.4              | 1.24            | 91.3  |
| 268      | 5/30/2011 4:31  | 15.26  | 47.55  | 30.98        | 7.53    | 7.73 | 17.3              | 1.17            | 90.8  |
| 269      | 5/30/2011 4:46  | 15.40  | 48.28  | 31.52        | 7.46    | 7.73 | 19.2              | 1.13            | 90.5  |
| 270      | 5/30/2011 5:01  | 15.66  | 46.99  | 30.59        | 7.26    | 7.71 | 17.5              | 1.12            | 88.0  |
| 271      | 5/30/2011 5:16  | 15.59  | 47.43  | 30.91        | 7.18    | 7.77 | 13.6              | 1.13            | 87.0  |
| 272      | 5/30/2011 5:31  | 15.68  | 48.11  | 31.40        | 7.35    | 7.78 | 15.1              | 1.13            | 89.6  |
| 273      | 5/30/2011 5:46  | 15.66  | 47.58  | 31.02        | 7.42    | 7.72 | 14.6              | 1.15            | 90.2  |
| 274      | 5/30/2011 6:01  | 15.62  | 48.59  | 31.75        | 7.35    | 7.72 | 15.9              | 1.22            | 89.7  |
| 275      | 5/30/2011 6:16  | 15.64  | 46.78  | 30.43        | 7.37    | 7.87 | 15.4              | 1.27            | 89.2  |
| 276      | 5/30/2011 6:31  | 15.59  | 47.96  | 31.29        | 7.34    | 7.87 | 14.8              | 1.32            | 89.3  |
| 277      | 5/30/2011 6:46  | 15.59  | 48.49  | 31.68        | 7.28    | 7.77 | 14.8              | 1.39            | 88.7  |
| 278      | 5/30/2011 7:01  | 15.63  | 47.74  | 31.13        | 7.24    | 7.87 | 16.2              | 1.45            | 88.0  |
| 279      | 5/30/2011 7:16  | 15.52  | 48.28  | 31.52        | 7.21    | 7.70 | 15.0              | 1.54            | 87.6  |
| 280      | 5/30/2011 7:31  | 15.51  | 48.22  | 31.47        | 7.19    | 7.77 | 14.2              | 1.60            | 87.3  |
| 281      | 5/30/2011 7:46  | 15.47  | 47.97  | 31.30        | 7.22    | 7.87 | 13.2              | 1.67            | 87.6  |
| 282      | 5/30/2011 8:01  | 15.40  | 48.32  | 31.55        | 7.26    | 7.77 | 13.4              | 1.77            | 88.1  |
| 283      | 5/30/2011 8:16  | 15.26  | 48.45  | 31.63        | 7.33    | 7.71 | 15.9              | 1.84            | 88.7  |
| 284      | 5/30/2011 8:31  | 15.02  | 48.23  | 31.47        | 7.44    | 7.72 | 12.4              | 1.91            | 89.6  |
| 285      | 5/30/2011 8:46  | 14.83  | 48.95  | 32.00        | 7.58    | 7.81 | 11.7              | 2.00            | 91.1  |
| 286      | 5/30/2011 9:01  | 14.51  | 48.23  | 31.46        | 7.81    | 7.75 | 11.7              | 2.08            | 93.0  |
| 287      | 5/30/2011 9:16  | 14.53  | 48.60  | 31.73        | 7.83    | 7.92 | 10.3              | 2.16            | 93.4  |
| 288      | 5/30/2011 9:31  | 14.49  | 48.09  | 31.36        | 7.91    | 7.92 | 10.6              | 2.23            | 94.1  |
| 289      | 5/30/2011 9:46  | 14.44  | 48.66  | 31.77        | 7.93    | 7.77 | 10.6              | 2.31            | 94.5  |
| 290      | 5/30/2011 10:01 | 14.40  | 48.98  | 32.00        | 7.95    | 7.77 | 10.8              | 2.38            | 94.7  |
| 291      | 5/30/2011 10:16 | 14.35  | 48.64  | 31.75        | 8.00    | 7.77 | 10.1              | 2.44            | 95.2  |
| 292      | 5/30/2011 10:31 | 14.25  | 49.07  | 32.07        | 8.06    | 7.78 | 10.0              | 2.50            | 95.9  |
| 293      | 5/30/2011 10:46 | 14.15  | 48.70  | 31.79        | 8.16    | 7.79 | 10.4              | 2.56            | 96.7  |
| 294      | 5/30/2011 11:01 | 14.02  | 48.88  | 31.92        | 8.24    | 7.80 | 10.3              | 2.61            | 97.4  |
| 295      | 5/30/2011 11:16 | 13.92  | 48.92  | 31.95        | 8.34    | 7.81 | 8.5               | 2.66            | 98.5  |
| 296      | 5/30/2011 11:31 | 13.87  | 48.98  | 31.98        | 8.33    | 7.81 | 7.8               | 2.71            | 98.2  |
| 297      | 5/30/2011 11:46 | 13.66  | 48.66  | 31.75        | 8.39    | 7.81 | 6.1               | 2.74            | 98.4  |
| 298      | 5/30/2011 12:01 | 13.56  | 48.72  | 31.79        | 8.33    | 7.81 | 4.8               | 2.76            | 97.5  |
| 299      | 5/30/2011 12:16 | 13.51  | 48.65  | 31.74        | 8.13    | 7.81 | 4.2               | 2.78            | 95.1  |
| 300      | 5/30/2011 12:31 | 13.57  | 48.53  | 31.65        | 8.15    | 7.81 | 6.1               | 2.78            | 95.3  |
| 301      | 5/30/2011 12:46 | 13.61  | 49.03  | 32.01        | 7.90    | 7.79 | 4.1               | 2.75            | 92.7  |
| 302      | 5/30/2011 13:01 | 13.59  | 48.51  | 31.63        | 8.01    | 7.80 | 4.8               | 2.74            | 93.7  |
| 303      | 5/30/2011 13:16 | 13.91  | 48.52  | 31.65        | 8.20    | 7.81 | 6.7               | 2.68            | 96.6  |
| 304      | 5/30/2011 13:31 | 14.21  | 48.63  | 31.74        | 8.47    | 7.82 | 6.8               | 2.63            | 100.5 |
| 305      | 5/30/2011 13:46 | 14.37  | 48.56  | 31.70        | 8.51    | 7.82 | 8.1               | 2.56            | 101.3 |
| 306      | 5/30/2011 14:01 | 14.65  | 48.55  | 31.70        | 8.56    | 7.82 | 9.6               | 2.51            | 102.4 |
| 307      | 5/30/2011 14:16 | 14.87  | 47.98  | 31.29        | 8.55    | 7.82 | 12.7              | 2.43            | 102.4 |
| 308      | 5/30/2011 14:31 | 14.90  | 48.51  | 31.68        | 8.37    | 7.80 | 13.7              | 2.38            | 100.6 |
| 309      | 5/30/2011 14:46 | 15.04  | 48.70  | 31.82        | 8.35    | 7.81 | 12.7              | 2.31            | 100.7 |
| 310      | 5/30/2011 15:01 | 15.19  | 47.16  | 30.70        | 8.41    | 7.81 | 10.7              | 2.25            | 101.1 |
| 311      | 5/30/2011 15:16 | 15.33  | 45.88  | 29.78        | 8.62    | 7.88 | 11.4              | 2.21            | 103.3 |
| 312      | 5/30/2011 15:31 | 15.27  | 48.72  | 31.83        | 8.47    | 7.81 | 11.4              | 2.15            | 102.7 |
| 313      | 5/30/2011 15:46 | 15.35  | 48.47  | 31.65        | 8.46    | 7.81 | 10.3              | 2.11            | 102.5 |
| 314      | 5/30/2011 16:01 | 15.39  | 48.61  | 31.76        | 8.44    | 7.81 | 7.9               | 2.07            | 102.5 |
| 315      | 5/30/2011 16:16 | 15.39  | 48.62  | 31.77        | 8.43    | 7.81 | 8.9               | 2.04            | 102.3 |
| 316      | 5/30/2011 16:31 | 15.57  | 48.81  | 31.91        | 8.69    | 7.92 | 9.2               | 2.04            | 106.0 |
| 317      | 5/30/2011 16:46 | 15.46  | 48.12  | 31.41        | 8.83    | 7.84 | 9.5               | 2.03            | 107.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 318      | 5/30/2011 17:01 | 15.35  | 48.62  | 31.76        | 8.62    | 7.82 | 8.9               | 2.04            | 104.6 |
| 319      | 5/30/2011 17:16 | 15.23  | 48.04  | 31.34        | 8.55    | 7.80 | 9.6               | 2.07            | 103.2 |
| 320      | 5/30/2011 17:31 | 15.16  | 48.39  | 31.60        | 8.55    | 7.87 | 8.9               | 2.09            | 103.2 |
| 321      | 5/30/2011 17:46 | 15.07  | 48.47  | 31.65        | 8.54    | 7.81 | 9.3               | 2.13            | 102.9 |
| 322      | 5/30/2011 18:01 | 15.01  | 48.60  | 31.74        | 8.49    | 7.80 | 10.4              | 2.17            | 102.3 |
| 323      | 5/30/2011 18:16 | 14.92  | 48.47  | 31.65        | 8.46    | 7.80 | 10.6              | 2.22            | 101.7 |
| 324      | 5/30/2011 18:31 | 14.82  | 48.87  | 31.93        | 8.46    | 7.87 | 9.6               | 2.29            | 101.7 |
| 325      | 5/30/2011 18:46 | 14.67  | 48.37  | 31.57        | 8.47    | 7.80 | 9.7               | 2.34            | 101.3 |
| 326      | 5/30/2011 19:01 | 14.60  | 48.51  | 31.67        | 8.43    | 7.86 | 8.6               | 2.41            | 100.7 |
| 327      | 5/30/2011 19:16 | 14.34  | 48.69  | 31.79        | 8.33    | 7.80 | 9.3               | 2.48            | 99.1  |
| 328      | 5/30/2011 19:31 | 14.14  | 48.69  | 31.79        | 8.33    | 7.80 | 8.9               | 2.54            | 98.7  |
| 329      | 5/30/2011 19:46 | 14.04  | 48.96  | 31.98        | 8.30    | 7.86 | 8.4               | 2.61            | 98.3  |
| 330      | 5/30/2011 20:01 | 13.87  | 48.67  | 31.76        | 8.30    | 7.86 | 8.2               | 2.69            | 97.7  |
| 331      | 5/30/2011 20:16 | 13.70  | 48.62  | 31.72        | 8.34    | 7.81 | 8.1               | 2.76            | 97.9  |
| 332      | 5/30/2011 20:31 | 13.53  | 48.97  | 31.97        | 8.37    | 7.81 | 8.4               | 2.84            | 98.0  |
| 333      | 5/30/2011 20:46 | 13.28  | 49.08  | 32.04        | 8.39    | 7.82 | 8.7               | 2.92            | 97.8  |
| 334      | 5/30/2011 21:01 | 13.01  | 48.58  | 31.67        | 8.43    | 7.82 | 8.6               | 3.00            | 97.5  |
| 335      | 5/30/2011 21:16 | 12.61  | 49.11  | 32.04        | 8.43    | 7.86 | 9.6               | 3.07            | 96.9  |
| 336      | 5/30/2011 21:31 | 12.40  | 49.34  | 32.19        | 8.41    | 7.86 | 9.0               | 3.15            | 96.3  |
| 337      | 5/30/2011 21:46 | 12.20  | 48.36  | 31.48        | 8.41    | 7.85 | 7.3               | 3.22            | 95.5  |
| 338      | 5/30/2011 22:01 | 12.09  | 49.31  | 32.16        | 8.30    | 7.84 | 6.4               | 3.28            | 94.5  |
| 339      | 5/30/2011 22:16 | 11.86  | 49.35  | 32.18        | 8.23    | 7.83 | 5.9               | 3.33            | 93.2  |
| 340      | 5/30/2011 22:31 | 11.75  | 49.52  | 32.29        | 8.16    | 7.83 | 4.1               | 3.36            | 92.3  |
| 341      | 5/30/2011 22:46 | 11.56  | 49.07  | 31.96        | 8.14    | 7.82 | 3.2               | 3.41            | 91.5  |
| 342      | 5/30/2011 23:01 | 11.52  | 49.54  | 32.30        | 8.01    | 7.78 | 2.6               | 3.42            | 90.1  |
| 343      | 5/30/2011 23:16 | 11.70  | 49.43  | 32.23        | 7.95    | 7.81 | 4.3               | 3.41            | 89.7  |
| 344      | 5/30/2011 23:31 | 11.58  | 49.44  | 32.23        | 7.90    | 7.81 | 4.1               | 3.40            | 89.0  |
| 345      | 5/30/2011 23:46 | 11.61  | 49.48  | 32.26        | 7.90    | 7.81 | 5.1               | 3.35            | 89.1  |
| 346      | 5/31/2011 0:01  | 11.87  | 49.01  | 31.93        | 8.02    | 7.83 | 8.1               | 3.29            | 90.7  |
| 347      | 5/31/2011 0:16  | 12.61  | 49.15  | 32.07        | 8.14    | 7.85 | 8.6               | 3.21            | 93.6  |
| 348      | 5/31/2011 0:31  | 12.78  | 48.54  | 31.63        | 8.17    | 7.86 | 7.7               | 3.12            | 94.0  |
| 349      | 5/31/2011 0:46  | 13.19  | 45.75  | 29.63        | 8.18    | 7.81 | 9.1               | 3.04            | 93.7  |
| 350      | 5/31/2011 1:01  | 13.18  | 48.57  | 31.66        | 8.12    | 7.81 | 8.4               | 2.94            | 94.2  |
| 351      | 5/31/2011 1:16  | 13.24  | 48.80  | 31.84        | 8.06    | 7.80 | 7.5               | 2.82            | 93.7  |
| 352      | 5/31/2011 1:31  | 13.37  | 47.81  | 31.13        | 8.16    | 7.80 | 9.5               | 2.71            | 94.7  |
| 353      | 5/31/2011 1:46  | 13.47  | 48.51  | 31.64        | 8.08    | 7.80 | 8.2               | 2.61            | 94.3  |
| 354      | 5/31/2011 2:01  | 13.89  | 48.14  | 31.38        | 8.03    | 7.80 | 10.2              | 2.51            | 94.4  |
| 355      | 5/31/2011 2:16  | 14.03  | 48.63  | 31.74        | 7.99    | 7.79 | 11.3              | 2.39            | 94.4  |
| 356      | 5/31/2011 2:31  | 13.89  | 48.52  | 31.65        | 7.87    | 7.79 | 9.5               | 2.27            | 92.6  |
| 357      | 5/31/2011 2:46  | 14.03  | 48.60  | 31.72        | 7.94    | 7.94 | 11.7              | 2.16            | 93.8  |
| 358      | 5/31/2011 3:01  | 13.90  | 49.14  | 32.11        | 7.85    | 7.78 | 11.0              | 2.04            | 92.7  |
| 359      | 5/31/2011 3:16  | 14.14  | 49.01  | 32.02        | 7.87    | 7.77 | 16.5              | 1.91            | 93.3  |
| 360      | 5/31/2011 3:31  | 14.12  | 49.36  | 32.27        | 7.79    | 7.82 | 15.2              | 1.84            | 92.5  |
| 361      | 5/31/2011 3:46  | 14.42  | 48.61  | 31.73        | 7.74    | 7.83 | 14.2              | 1.71            | 92.2  |
| 362      | 5/31/2011 4:01  | 14.48  | 48.45  | 31.62        | 7.74    | 7.82 | 13.7              | 1.59            | 92.2  |
| 363      | 5/31/2011 4:16  | 14.67  | 48.44  | 31.62        | 7.64    | 7.75 | 13.4              | 1.46            | 91.4  |
| 364      | 5/31/2011 4:31  | 14.81  | 47.27  | 30.77        | 7.64    | 7.74 | 14.5              | 1.34            | 91.2  |
| 365      | 5/31/2011 4:46  | 14.94  | 48.41  | 31.60        | 7.57    | 7.81 | 14.6              | 1.25            | 91.0  |
| 366      | 5/31/2011 5:01  | 15.02  | 48.28  | 31.51        | 7.50    | 7.73 | 14.3              | 1.16            | 90.3  |
| 367      | 5/31/2011 5:16  | 15.10  | 48.48  | 31.66        | 7.41    | 7.79 | 13.7              | 1.10            | 89.4  |
| 368      | 5/31/2011 5:31  | 15.11  | 47.95  | 31.27        | 7.33    | 7.72 | 13.9              | 1.05            | 88.2  |
| 369      | 5/31/2011 5:46  | 15.02  | 47.92  | 31.25        | 7.35    | 7.71 | 13.1              | 1.05            | 88.3  |
| 370      | 5/31/2011 6:01  | 14.98  | 47.80  | 31.16        | 7.43    | 7.72 | 12.3              | 1.06            | 89.1  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 371      | 5/31/2011 6:16  | 14.98  | 46.76  | 30.41        | 7.47    | 7.78 | 10.8              | 1.08            | 89.3  |
| 372      | 5/31/2011 6:31  | 14.93  | 48.10  | 31.38        | 7.47    | 7.72 | 10.8              | 1.15            | 89.6  |
| 373      | 5/31/2011 6:46  | 15.02  | 48.44  | 31.62        | 7.50    | 7.73 | 10.4              | 1.20            | 90.3  |
| 374      | 5/31/2011 7:01  | 15.01  | 47.83  | 31.19        | 7.56    | 7.73 | 10.1              | 1.27            | 90.7  |
| 375      | 5/31/2011 7:16  | 14.96  | 48.02  | 31.32        | 7.47    | 7.78 | 10.9              | 1.34            | 89.7  |
| 376      | 5/31/2011 7:31  | 14.96  | 47.94  | 31.26        | 7.42    | 7.72 | 10.5              | 1.40            | 89.1  |
| 377      | 5/31/2011 7:46  | 14.96  | 46.72  | 30.38        | 7.43    | 7.71 | 12.0              | 1.48            | 88.6  |
| 378      | 5/31/2011 8:01  | 14.90  | 45.67  | 29.62        | 7.45    | 7.77 | 10.6              | 1.54            | 88.5  |
| 379      | 5/31/2011 8:16  | 14.89  | 47.86  | 31.20        | 7.40    | 7.78 | 9.8               | 1.63            | 88.6  |
| 380      | 5/31/2011 8:31  | 14.84  | 47.42  | 30.88        | 7.41    | 7.72 | 10.1              | 1.70            | 88.5  |
| 381      | 5/31/2011 8:46  | 14.76  | 47.70  | 31.08        | 7.41    | 7.73 | 9.8               | 1.79            | 88.5  |
| 382      | 5/31/2011 9:01  | 14.64  | 48.09  | 31.36        | 7.45    | 7.73 | 10.5              | 1.87            | 88.9  |
| 383      | 5/31/2011 9:16  | 14.66  | 47.31  | 30.80        | 7.48    | 7.73 | 10.4              | 1.97            | 89.0  |
| 384      | 5/31/2011 9:31  | 14.48  | 48.49  | 31.65        | 7.53    | 7.80 | 10.4              | 2.06            | 89.8  |
| 385      | 5/31/2011 9:46  | 14.49  | 48.43  | 31.60        | 7.63    | 7.75 | 10.5              | 2.15            | 90.9  |
| 386      | 5/31/2011 10:01 | 14.45  | 48.37  | 31.56        | 7.65    | 7.75 | 10.2              | 2.23            | 91.1  |
| 387      | 5/31/2011 10:16 | 14.40  | 48.73  | 31.82        | 7.67    | 7.75 | 9.6               | 2.31            | 91.3  |
| 388      | 5/31/2011 10:31 | 14.33  | 48.71  | 31.80        | 7.71    | 7.81 | 9.3               | 2.39            | 91.6  |
| 389      | 5/31/2011 10:46 | 14.20  | 48.60  | 31.72        | 7.72    | 7.76 | 10.3              | 2.47            | 91.5  |
| 390      | 5/31/2011 11:01 | 14.09  | 48.42  | 31.59        | 7.74    | 7.76 | 10.9              | 2.54            | 91.5  |
| 391      | 5/31/2011 11:16 | 13.89  | 48.58  | 31.69        | 7.80    | 7.77 | 11.4              | 2.61            | 91.9  |
| 392      | 5/31/2011 11:31 | 13.75  | 48.92  | 31.94        | 7.83    | 7.77 | 10.3              | 2.68            | 92.1  |
| 393      | 5/31/2011 11:46 | 13.60  | 48.80  | 31.85        | 7.87    | 7.82 | 8.9               | 2.73            | 92.2  |
| 394      | 5/31/2011 12:01 | 13.44  | 49.00  | 31.99        | 7.86    | 7.77 | 8.5               | 2.79            | 91.9  |
| 395      | 5/31/2011 12:16 | 13.16  | 48.81  | 31.84        | 7.84    | 7.81 | 7.6               | 2.84            | 91.0  |
| 396      | 5/31/2011 12:31 | 12.81  | 49.18  | 32.10        | 7.91    | 7.81 | 5.7               | 2.86            | 91.4  |
| 397      | 5/31/2011 12:46 | 12.70  | 49.09  | 32.02        | 7.87    | 7.81 | 4.6               | 2.89            | 90.6  |
| 398      | 5/31/2011 13:01 | 13.21  | 49.51  | 32.35        | 7.77    | 7.82 | 6.5               | 2.90            | 90.6  |
| 399      | 5/31/2011 13:16 | 12.86  | 49.08  | 32.02        | 7.65    | 7.80 | 6.6               | 2.88            | 88.4  |
| 400      | 5/31/2011 13:31 | 12.75  | 49.53  | 32.34        | 7.71    | 7.81 | 6.1               | 2.86            | 89.1  |
| 401      | 5/31/2011 13:46 | 13.02  | 49.35  | 32.22        | 7.65    | 7.81 | 5.9               | 2.83            | 88.8  |
| 402      | 5/31/2011 14:01 | 13.72  | 49.15  | 32.10        | 7.77    | 7.77 | 7.5               | 2.78            | 91.5  |
| 403      | 5/31/2011 14:16 | 13.71  | 49.07  | 32.05        | 7.81    | 7.77 | 7.5               | 2.73            | 91.8  |
| 404      | 5/31/2011 14:31 | 14.02  | 49.14  | 32.11        | 7.87    | 7.77 | 9.6               | 2.65            | 93.1  |
| 405      | 5/31/2011 14:46 | 14.21  | 49.36  | 32.27        | 8.05    | 7.84 | 8.8               | 2.61            | 95.8  |
| 406      | 5/31/2011 15:01 | 14.36  | 48.84  | 31.90        | 7.99    | 7.78 | 9.9               | 2.54            | 95.1  |
| 407      | 5/31/2011 15:16 | 14.40  | 48.68  | 31.78        | 8.01    | 7.78 | 10.0              | 2.48            | 95.4  |
| 408      | 5/31/2011 15:31 | 14.57  | 48.81  | 31.88        | 8.04    | 7.78 | 10.1              | 2.43            | 96.1  |
| 409      | 5/31/2011 15:46 | 14.67  | 48.71  | 31.81        | 8.07    | 7.78 | 8.5               | 2.37            | 96.6  |
| 410      | 5/31/2011 16:01 | 14.80  | 48.42  | 31.60        | 8.17    | 7.78 | 8.7               | 2.31            | 97.9  |
| 411      | 5/31/2011 16:16 | 14.76  | 48.60  | 31.73        | 8.49    | 7.81 | 9.1               | 2.28            | 101.8 |
| 412      | 5/31/2011 16:31 | 14.97  | 48.70  | 31.82        | 8.31    | 7.79 | 7.8               | 2.24            | 100.1 |
| 413      | 5/31/2011 16:46 | 15.10  | 48.79  | 31.88        | 8.44    | 7.81 | 9.6               | 2.19            | 102.0 |
| 414      | 5/31/2011 17:01 | 15.18  | 48.66  | 31.79        | 8.49    | 7.86 | 9.2               | 2.17            | 102.6 |
| 415      | 5/31/2011 17:16 | 15.19  | 48.91  | 31.97        | 8.24    | 7.86 | 6.3               | 2.17            | 99.7  |
| 416      | 5/31/2011 17:31 | 15.14  | 48.06  | 31.35        | 8.54    | 7.86 | 10.8              | 2.16            | 102.9 |
| 417      | 5/31/2011 17:46 | 14.83  | 48.13  | 31.39        | 8.20    | 7.78 | 7.3               | 2.18            | 98.3  |
| 418      | 5/31/2011 18:01 | 14.88  | 48.63  | 31.76        | 8.24    | 7.84 | 7.8               | 2.18            | 99.0  |
| 419      | 5/31/2011 18:16 | 14.86  | 48.86  | 31.92        | 8.33    | 7.79 | 8.3               | 2.23            | 100.2 |
| 420      | 5/31/2011 18:31 | 14.80  | 48.74  | 31.84        | 8.20    | 7.78 | 7.8               | 2.26            | 98.5  |
| 421      | 5/31/2011 18:46 | 14.75  | 48.70  | 31.81        | 8.15    | 7.84 | 8.0               | 2.32            | 97.7  |
| 422      | 5/31/2011 19:01 | 14.70  | 48.29  | 31.51        | 8.23    | 7.78 | 9.9               | 2.38            | 98.4  |
| 423      | 5/31/2011 19:16 | 14.55  | 48.97  | 32.00        | 8.09    | 7.77 | 7.8               | 2.44            | 96.7  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 424      | 5/31/2011 19:31 | 14.42  | 48.88  | 31.93        | 7.96    | 7.77 | 7.1               | 2.51            | 95.0 |
| 425      | 5/31/2011 19:46 | 14.16  | 48.87  | 31.92        | 7.89    | 7.82 | 7.4               | 2.57            | 93.6 |
| 426      | 5/31/2011 20:01 | 13.85  | 49.14  | 32.10        | 7.90    | 7.76 | 7.6               | 2.65            | 93.2 |
| 427      | 5/31/2011 20:16 | 13.58  | 49.18  | 32.12        | 7.90    | 7.81 | 7.8               | 2.71            | 92.7 |
| 428      | 5/31/2011 20:31 | 13.51  | 49.24  | 32.16        | 7.90    | 7.81 | 7.1               | 2.79            | 92.6 |
| 429      | 5/31/2011 20:46 | 13.29  | 48.79  | 31.83        | 7.89    | 7.81 | 6.8               | 2.86            | 91.9 |
| 430      | 5/31/2011 21:01 | 13.02  | 49.34  | 32.22        | 7.91    | 7.81 | 7.6               | 2.94            | 91.9 |
| 431      | 5/31/2011 21:16 | 12.84  | 49.51  | 32.34        | 7.90    | 7.81 | 7.9               | 3.01            | 91.4 |
| 432      | 5/31/2011 21:31 | 12.51  | 49.48  | 32.30        | 7.99    | 7.81 | 7.3               | 3.08            | 91.8 |
| 433      | 5/31/2011 21:46 | 12.30  | 49.67  | 32.43        | 8.06    | 7.82 | 6.9               | 3.17            | 92.3 |
| 434      | 5/31/2011 22:01 | 12.19  | 49.14  | 32.04        | 8.16    | 7.82 | 7.0               | 3.24            | 93.0 |
| 435      | 5/31/2011 22:16 | 12.02  | 49.46  | 32.27        | 8.34    | 7.83 | 6.8               | 3.31            | 94.9 |
| 436      | 5/31/2011 22:31 | 11.93  | 49.52  | 32.30        | 8.42    | 7.84 | 5.6               | 3.38            | 95.6 |
| 437      | 5/31/2011 22:46 | 11.80  | 49.79  | 32.50        | 8.49    | 7.84 | 5.3               | 3.44            | 96.2 |
| 438      | 5/31/2011 23:01 | 11.73  | 49.64  | 32.38        | 8.57    | 7.84 | 4.2               | 3.48            | 96.9 |
| 439      | 5/31/2011 23:16 | 11.64  | 49.49  | 32.27        | 8.62    | 7.85 | 3.2               | 3.52            | 97.3 |
| 440      | 5/31/2011 23:31 | 11.66  | 49.49  | 32.27        | 8.55    | 7.85 | 3.5               | 3.55            | 96.4 |
| 441      | 5/31/2011 23:46 | 12.01  | 49.40  | 32.22        | 8.22    | 7.83 | 3.8               | 3.55            | 93.4 |
| 442      | 6/1/2011 0:01   | 11.63  | 49.36  | 32.17        | 8.39    | 7.83 | 2.9               | 3.55            | 94.6 |
| 443      | 6/1/2011 0:16   | 11.60  | 49.61  | 32.35        | 8.46    | 7.84 | 3.5               | 3.51            | 95.4 |
| 444      | 6/1/2011 0:31   | 11.65  | 49.28  | 32.12        | 8.42    | 7.84 | 4.2               | 3.46            | 94.9 |
| 445      | 6/1/2011 0:46   | 12.59  | 49.06  | 32.00        | 7.95    | 7.82 | 8.7               | 3.39            | 91.3 |
| 446      | 6/1/2011 1:01   | 12.42  | 49.37  | 32.22        | 8.09    | 7.82 | 8.3               | 3.29            | 92.8 |
| 447      | 6/1/2011 1:16   | 12.51  | 49.33  | 32.19        | 7.99    | 7.82 | 7.3               | 3.20            | 91.7 |
| 448      | 6/1/2011 1:31   | 12.86  | 49.24  | 32.14        | 7.94    | 7.82 | 9.0               | 3.10            | 91.8 |
| 449      | 6/1/2011 1:46   | 12.79  | 49.10  | 32.03        | 7.97    | 7.82 | 7.6               | 2.99            | 92.0 |
| 450      | 6/1/2011 2:01   | 12.88  | 49.34  | 32.21        | 7.88    | 7.81 | 7.8               | 2.88            | 91.2 |
| 451      | 6/1/2011 2:16   | 12.91  | 49.32  | 32.20        | 7.90    | 7.81 | 8.0               | 2.76            | 91.5 |
| 452      | 6/1/2011 2:31   | 13.31  | 49.39  | 32.27        | 7.76    | 7.80 | 8.7               | 2.66            | 90.6 |
| 453      | 6/1/2011 2:46   | 13.53  | 49.35  | 32.25        | 7.71    | 7.80 | 8.9               | 2.54            | 90.5 |
| 454      | 6/1/2011 3:01   | 13.65  | 48.95  | 31.96        | 7.60    | 7.80 | 9.9               | 2.41            | 89.2 |
| 455      | 6/1/2011 3:16   | 14.00  | 48.97  | 31.98        | 7.78    | 7.76 | 11.8              | 2.28            | 91.9 |
| 456      | 6/1/2011 3:31   | 13.47  | 48.82  | 31.86        | 7.68    | 7.79 | 10.2              | 2.16            | 89.8 |
| 457      | 6/1/2011 3:46   | 13.54  | 49.34  | 32.24        | 7.75    | 7.79 | 12.2              | 2.03            | 90.9 |
| 458      | 6/1/2011 4:01   | 13.70  | 48.62  | 31.72        | 7.79    | 7.80 | 15.6              | 1.90            | 91.5 |
| 459      | 6/1/2011 4:16   | 13.89  | 48.94  | 31.96        | 7.75    | 7.80 | 14.1              | 1.75            | 91.5 |
| 460      | 6/1/2011 4:31   | 13.86  | 49.15  | 32.11        | 7.69    | 7.79 | 13.0              | 1.62            | 90.8 |
| 461      | 6/1/2011 4:46   | 14.06  | 48.48  | 31.63        | 7.75    | 7.80 | 13.0              | 1.50            | 91.6 |
| 462      | 6/1/2011 5:01   | 14.04  | 48.94  | 31.97        | 7.68    | 7.78 | 13.1              | 1.37            | 90.9 |
| 463      | 6/1/2011 5:16   | 14.23  | 48.43  | 31.60        | 7.72    | 7.80 | 13.6              | 1.25            | 91.5 |
| 464      | 6/1/2011 5:31   | 14.31  | 48.70  | 31.80        | 7.71    | 7.80 | 14.3              | 1.14            | 91.7 |
| 465      | 6/1/2011 5:46   | 14.36  | 48.34  | 31.54        | 7.70    | 7.79 | 14.6              | 1.08            | 91.4 |
| 466      | 6/1/2011 6:01   | 14.39  | 48.48  | 31.64        | 7.65    | 7.75 | 13.6              | 1.01            | 90.9 |
| 467      | 6/1/2011 6:16   | 14.41  | 48.08  | 31.35        | 7.69    | 7.74 | 20.5              | 0.98            | 91.4 |
| 468      | 6/1/2011 6:31   | 14.29  | 48.46  | 31.62        | 7.62    | 7.78 | 13.6              | 0.99            | 90.5 |
| 469      | 6/1/2011 6:46   | 14.33  | 48.60  | 31.73        | 7.66    | 7.79 | 12.0              | 1.01            | 91.1 |
| 470      | 6/1/2011 7:01   | 14.33  | 48.45  | 31.61        | 7.64    | 7.79 | 11.5              | 1.04            | 90.7 |
| 471      | 6/1/2011 7:16   | 14.33  | 48.38  | 31.56        | 7.68    | 7.79 | 10.3              | 1.12            | 91.2 |
| 472      | 6/1/2011 7:31   | 14.39  | 48.33  | 31.53        | 7.74    | 7.79 | 9.2               | 1.18            | 92.0 |
| 473      | 6/1/2011 7:46   | 14.37  | 48.37  | 31.56        | 7.69    | 7.79 | 9.4               | 1.25            | 91.4 |
| 474      | 6/1/2011 8:01   | 14.35  | 48.19  | 31.43        | 7.62    | 7.77 | 10.2              | 1.33            | 90.5 |
| 475      | 6/1/2011 8:16   | 14.38  | 47.54  | 30.96        | 7.56    | 7.76 | 10.4              | 1.41            | 89.5 |
| 476      | 6/1/2011 8:31   | 14.35  | 47.50  | 30.93        | 7.52    | 7.76 | 10.5              | 1.48            | 89.0 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 477      | 6/1/2011 8:46  | 14.33  | 47.81  | 31.15        | 7.46    | 7.77 | 10.2              | 1.57            | 88.4  |
| 478      | 6/1/2011 9:01  | 14.32  | 48.04  | 31.32        | 7.46    | 7.76 | 10.3              | 1.65            | 88.4  |
| 479      | 6/1/2011 9:16  | 14.26  | 48.20  | 31.43        | 7.44    | 7.77 | 10.5              | 1.74            | 88.1  |
| 480      | 6/1/2011 9:31  | 14.12  | 48.59  | 31.72        | 7.42    | 7.77 | 9.9               | 1.83            | 87.8  |
| 481      | 6/1/2011 9:46  | 14.09  | 48.83  | 31.89        | 7.37    | 7.77 | 10.1              | 1.92            | 87.3  |
| 482      | 6/1/2011 10:01 | 14.06  | 48.93  | 31.95        | 7.38    | 7.77 | 10.3              | 2.02            | 87.4  |
| 483      | 6/1/2011 10:16 | 14.03  | 48.97  | 31.98        | 7.41    | 7.77 | 10.1              | 2.12            | 87.7  |
| 484      | 6/1/2011 10:31 | 14.02  | 49.03  | 32.03        | 7.47    | 7.78 | 10.3              | 2.21            | 88.4  |
| 485      | 6/1/2011 10:46 | 14.01  | 49.21  | 32.16        | 7.49    | 7.78 | 10.3              | 2.29            | 88.7  |
| 486      | 6/1/2011 11:01 | 13.90  | 49.11  | 32.08        | 7.52    | 7.78 | 10.9              | 2.38            | 88.8  |
| 487      | 6/1/2011 11:16 | 13.79  | 49.15  | 32.11        | 7.52    | 7.78 | 11.2              | 2.47            | 88.6  |
| 488      | 6/1/2011 11:31 | 13.70  | 48.75  | 31.82        | 7.55    | 7.78 | 12.1              | 2.55            | 88.6  |
| 489      | 6/1/2011 11:46 | 13.47  | 48.75  | 31.81        | 7.67    | 7.79 | 12.6              | 2.62            | 89.6  |
| 490      | 6/1/2011 12:01 | 13.37  | 48.96  | 31.96        | 7.71    | 7.79 | 12.0              | 2.69            | 90.0  |
| 491      | 6/1/2011 12:16 | 13.12  | 48.97  | 31.95        | 7.85    | 7.79 | 11.2              | 2.75            | 91.1  |
| 492      | 6/1/2011 12:31 | 12.78  | 49.11  | 32.04        | 8.02    | 7.80 | 12.0              | 2.81            | 92.5  |
| 493      | 6/1/2011 12:46 | 12.49  | 49.32  | 32.18        | 8.24    | 7.81 | 9.6               | 2.88            | 94.6  |
| 494      | 6/1/2011 13:01 | 12.39  | 49.53  | 32.33        | 8.30    | 7.82 | 8.9               | 2.92            | 95.1  |
| 495      | 6/1/2011 13:16 | 12.35  | 49.60  | 32.38        | 8.29    | 7.82 | 5.7               | 2.96            | 95.0  |
| 496      | 6/1/2011 13:31 | 12.34  | 49.22  | 32.11        | 8.27    | 7.82 | 5.2               | 2.97            | 94.5  |
| 497      | 6/1/2011 13:46 | 12.51  | 49.29  | 32.16        | 8.20    | 7.82 | 8.2               | 2.98            | 94.2  |
| 498      | 6/1/2011 14:01 | 12.46  | 49.32  | 32.18        | 8.05    | 7.81 | 6.3               | 2.97            | 92.4  |
| 499      | 6/1/2011 14:16 | 12.43  | 49.40  | 32.24        | 8.14    | 7.81 | 7.2               | 2.95            | 93.4  |
| 500      | 6/1/2011 14:31 | 12.56  | 49.41  | 32.25        | 8.10    | 7.81 | 9.0               | 2.92            | 93.2  |
| 501      | 6/1/2011 14:46 | 12.80  | 49.34  | 32.21        | 8.10    | 7.81 | 9.3               | 2.86            | 93.6  |
| 502      | 6/1/2011 15:01 | 13.26  | 49.09  | 32.05        | 7.98    | 7.81 | 10.7              | 2.80            | 93.0  |
| 503      | 6/1/2011 15:16 | 13.98  | 49.40  | 32.29        | 8.05    | 7.82 | 12.2              | 2.73            | 95.3  |
| 504      | 6/1/2011 15:31 | 14.41  | 49.00  | 32.02        | 8.27    | 7.83 | 11.2              | 2.65            | 98.6  |
| 505      | 6/1/2011 15:46 | 14.47  | 49.13  | 32.11        | 8.52    | 7.84 | 10.1              | 2.58            | 101.8 |
| 506      | 6/1/2011 16:01 | 14.69  | 48.87  | 31.93        | 8.48    | 7.85 | 11.2              | 2.51            | 101.6 |
| 507      | 6/1/2011 16:16 | 14.93  | 49.08  | 32.09        | 8.67    | 7.86 | 11.5              | 2.45            | 104.6 |
| 508      | 6/1/2011 16:31 | 14.93  | 48.84  | 31.92        | 8.84    | 7.86 | 10.3              | 2.39            | 106.5 |
| 509      | 6/1/2011 16:46 | 14.90  | 48.92  | 31.97        | 8.46    | 7.84 | 13.1              | 2.35            | 101.9 |
| 510      | 6/1/2011 17:01 | 14.94  | 48.73  | 31.83        | 8.44    | 7.84 | 11.5              | 2.30            | 101.6 |
| 511      | 6/1/2011 17:16 | 15.03  | 48.71  | 31.83        | 8.49    | 7.85 | 11.7              | 2.26            | 102.3 |
| 512      | 6/1/2011 17:31 | 15.14  | 48.78  | 31.88        | 8.51    | 7.85 | 10.1              | 2.22            | 102.9 |
| 513      | 6/1/2011 17:46 | 15.20  | 48.53  | 31.69        | 8.53    | 7.85 | 9.5               | 2.20            | 103.1 |
| 514      | 6/1/2011 18:01 | 15.28  | 48.66  | 31.79        | 8.53    | 7.81 | 9.4               | 2.19            | 103.4 |
| 515      | 6/1/2011 18:16 | 15.56  | 48.69  | 31.82        | 8.59    | 7.83 | 9.6               | 2.18            | 104.8 |
| 516      | 6/1/2011 18:31 | 15.37  | 48.43  | 31.62        | 8.72    | 7.87 | 9.0               | 2.20            | 105.7 |
| 517      | 6/1/2011 18:46 | 15.14  | 48.84  | 31.92        | 8.53    | 7.85 | 8.6               | 2.22            | 103.1 |
| 518      | 6/1/2011 19:01 | 15.04  | 48.81  | 31.89        | 8.43    | 7.84 | 8.9               | 2.26            | 101.8 |
| 519      | 6/1/2011 19:16 | 14.92  | 48.79  | 31.88        | 8.39    | 7.83 | 8.6               | 2.30            | 101.0 |
| 520      | 6/1/2011 19:31 | 14.82  | 48.56  | 31.71        | 8.32    | 7.83 | 8.7               | 2.37            | 99.9  |
| 521      | 6/1/2011 19:46 | 14.77  | 48.80  | 31.88        | 8.32    | 7.83 | 10.4              | 2.43            | 99.8  |
| 522      | 6/1/2011 20:01 | 14.66  | 48.97  | 32.01        | 8.29    | 7.83 | 9.5               | 2.49            | 99.3  |
| 523      | 6/1/2011 20:16 | 14.51  | 49.02  | 32.03        | 8.24    | 7.82 | 8.5               | 2.56            | 98.4  |
| 524      | 6/1/2011 20:31 | 14.28  | 48.82  | 31.88        | 8.16    | 7.81 | 9.1               | 2.63            | 97.0  |
| 525      | 6/1/2011 20:46 | 13.79  | 49.34  | 32.25        | 8.12    | 7.81 | 9.2               | 2.71            | 95.7  |
| 526      | 6/1/2011 21:01 | 13.50  | 49.07  | 32.04        | 8.14    | 7.81 | 8.8               | 2.78            | 95.3  |
| 527      | 6/1/2011 21:16 | 13.32  | 49.14  | 32.09        | 8.24    | 7.82 | 8.6               | 2.86            | 96.2  |
| 528      | 6/1/2011 21:31 | 13.15  | 49.35  | 32.23        | 8.27    | 7.82 | 8.2               | 2.94            | 96.3  |
| 529      | 6/1/2011 21:46 | 12.94  | 49.30  | 32.19        | 8.41    | 7.82 | 8.7               | 3.03            | 97.4  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 530      | 6/1/2011 22:01 | 12.72  | 49.15  | 32.07        | 8.51    | 7.83 | 8.0        | 3.11   | 98.0  |
| 531      | 6/1/2011 22:16 | 12.45  | 49.16  | 32.07        | 8.61    | 7.84 | 8.8        | 3.20   | 98.7  |
| 532      | 6/1/2011 22:31 | 12.35  | 49.23  | 32.12        | 8.72    | 7.85 | 9.5        | 3.27   | 99.7  |
| 533      | 6/1/2011 22:46 | 12.24  | 49.56  | 32.34        | 8.92    | 7.86 | 9.1        | 3.34   | 102.0 |
| 534      | 6/1/2011 23:01 | 12.15  | 49.61  | 32.38        | 9.02    | 7.86 | 7.6        | 3.41   | 102.9 |
| 535      | 6/1/2011 23:16 | 12.07  | 49.41  | 32.23        | 9.09    | 7.87 | 6.8        | 3.48   | 103.5 |
| 536      | 6/1/2011 23:31 | 12.01  | 49.42  | 32.24        | 9.17    | 7.87 | 6.6        | 3.52   | 104.2 |
| 537      | 6/1/2011 23:46 | 11.95  | 49.29  | 32.14        | 9.16    | 7.88 | 4.5        | 3.56   | 103.9 |
| 538      | 6/2/2011 0:01  | 11.88  | 49.41  | 32.22        | 9.21    | 7.88 | 3.1        | 3.59   | 104.3 |
| 539      | 6/2/2011 0:16  | 12.63  | 49.35  | 32.21        | 8.53    | 7.84 | 6.2        | 3.61   | 98.2  |
| 540      | 6/2/2011 0:31  | 12.25  | 48.99  | 31.93        | 8.64    | 7.84 | 3.3        | 3.60   | 98.5  |
| 541      | 6/2/2011 0:46  | 12.05  | 49.53  | 32.31        | 8.91    | 7.86 | 3.5        | 3.57   | 101.4 |
| 542      | 6/2/2011 1:01  | 12.49  | 48.96  | 31.92        | 8.50    | 7.84 | 6.2        | 3.51   | 97.4  |
| 543      | 6/2/2011 1:16  | 12.47  | 48.93  | 31.90        | 8.56    | 7.84 | 6.5        | 3.46   | 98.0  |
| 544      | 6/2/2011 1:31  | 12.19  | 48.83  | 31.82        | 8.81    | 7.85 | 8.9        | 3.37   | 100.2 |
| 545      | 6/2/2011 1:46  | 12.32  | 49.72  | 32.47        | 8.70    | 7.84 | 6.5        | 3.26   | 99.7  |
| 546      | 6/2/2011 2:01  | 12.96  | 49.43  | 32.28        | 8.32    | 7.83 | 8.5        | 3.17   | 96.5  |
| 547      | 6/2/2011 2:16  | 12.87  | 49.37  | 32.24        | 8.34    | 7.83 | 7.8        | 3.06   | 96.5  |
| 548      | 6/2/2011 2:31  | 13.11  | 49.28  | 32.18        | 8.36    | 7.82 | 8.1        | 2.94   | 97.2  |
| 549      | 6/2/2011 2:46  | 13.16  | 49.32  | 32.21        | 8.24    | 7.82 | 8.4        | 2.83   | 95.9  |
| 550      | 6/2/2011 3:01  | 13.49  | 48.78  | 31.83        | 8.16    | 7.82 | 9.5        | 2.71   | 95.4  |
| 551      | 6/2/2011 3:16  | 13.79  | 49.13  | 32.10        | 8.09    | 7.81 | 9.2        | 2.61   | 95.3  |
| 552      | 6/2/2011 3:31  | 13.75  | 48.51  | 31.64        | 8.08    | 7.80 | 10.7       | 2.47   | 94.9  |
| 553      | 6/2/2011 3:46  | 14.08  | 48.68  | 31.78        | 8.14    | 7.82 | 12.2       | 2.34   | 96.3  |
| 554      | 6/2/2011 4:01  | 13.73  | 49.04  | 32.02        | 8.14    | 7.81 | 13.0       | 2.21   | 95.7  |
| 555      | 6/2/2011 4:16  | 13.56  | 48.79  | 31.84        | 8.06    | 7.80 | 12.6       | 2.07   | 94.3  |
| 556      | 6/2/2011 4:31  | 14.01  | 48.61  | 31.72        | 8.01    | 7.81 | 15.6       | 1.92   | 94.6  |
| 557      | 6/2/2011 4:46  | 14.14  | 48.76  | 31.84        | 8.04    | 7.82 | 16.5       | 1.79   | 95.3  |
| 558      | 6/2/2011 5:01  | 14.41  | 48.43  | 31.60        | 8.08    | 7.82 | 16.4       | 1.65   | 96.1  |
| 559      | 6/2/2011 5:16  | 14.49  | 48.13  | 31.39        | 8.01    | 7.81 | 17.8       | 1.50   | 95.3  |
| 560      | 6/2/2011 5:31  | 14.65  | 48.46  | 31.63        | 7.98    | 7.81 | 17.6       | 1.36   | 95.4  |
| 561      | 6/2/2011 5:46  | 14.80  | 48.11  | 31.38        | 7.92    | 7.81 | 18.9       | 1.24   | 94.9  |
| 562      | 6/2/2011 6:01  | 14.84  | 48.34  | 31.55        | 7.84    | 7.80 | 18.7       | 1.12   | 94.1  |
| 563      | 6/2/2011 6:16  | 14.81  | 47.89  | 31.22        | 7.80    | 7.79 | 17.8       | 1.03   | 93.3  |
| 564      | 6/2/2011 6:31  | 14.85  | 47.82  | 31.17        | 7.71    | 7.79 | 16.3       | 0.96   | 92.3  |
| 565      | 6/2/2011 6:46  | 14.85  | 47.95  | 31.26        | 7.70    | 7.78 | 21.2       | 0.90   | 92.2  |
| 566      | 6/2/2011 7:01  | 14.79  | 48.08  | 31.36        | 7.64    | 7.78 | 18.1       | 0.91   | 91.5  |
| 567      | 6/2/2011 7:16  | 14.77  | 47.68  | 31.07        | 7.77    | 7.78 | 14.2       | 0.94   | 92.8  |
| 568      | 6/2/2011 7:31  | 14.75  | 48.04  | 31.33        | 7.75    | 7.78 | 13.8       | 1.00   | 92.7  |
| 569      | 6/2/2011 7:46  | 14.75  | 47.99  | 31.29        | 7.78    | 7.79 | 11.5       | 1.06   | 93.1  |
| 570      | 6/2/2011 8:01  | 14.77  | 48.25  | 31.48        | 7.78    | 7.79 | 10.8       | 1.15   | 93.2  |
| 571      | 6/2/2011 8:16  | 14.79  | 47.95  | 31.26        | 7.81    | 7.78 | 11.0       | 1.21   | 93.4  |
| 572      | 6/2/2011 8:31  | 14.77  | 47.81  | 31.16        | 7.72    | 7.78 | 10.7       | 1.27   | 92.3  |
| 573      | 6/2/2011 8:46  | 14.84  | 47.40  | 30.87        | 7.76    | 7.77 | 10.8       | 1.36   | 92.6  |
| 574      | 6/2/2011 9:01  | 14.80  | 47.70  | 31.08        | 7.71    | 7.77 | 10.5       | 1.42   | 92.1  |
| 575      | 6/2/2011 9:16  | 14.78  | 47.47  | 30.92        | 7.70    | 7.77 | 9.9        | 1.50   | 91.9  |
| 576      | 6/2/2011 9:31  | 14.75  | 47.44  | 30.89        | 7.69    | 7.77 | 10.2       | 1.59   | 91.7  |
| 577      | 6/2/2011 9:46  | 14.77  | 47.52  | 30.95        | 7.65    | 7.77 | 9.7        | 1.66   | 91.3  |
| 578      | 6/2/2011 10:01 | 14.63  | 48.09  | 31.36        | 7.71    | 7.78 | 9.9        | 1.77   | 92.0  |
| 579      | 6/2/2011 10:16 | 14.52  | 47.82  | 31.17        | 7.69    | 7.77 | 10.9       | 1.86   | 91.4  |
| 580      | 6/2/2011 10:31 | 14.43  | 48.72  | 31.81        | 7.64    | 7.77 | 10.7       | 1.97   | 91.0  |
| 581      | 6/2/2011 10:46 | 14.43  | 48.78  | 31.86        | 7.64    | 7.77 | 11.5       | 2.07   | 91.1  |
| 582      | 6/2/2011 11:01 | 14.34  | 48.78  | 31.86        | 7.66    | 7.77 | 11.9       | 2.17   | 91.2  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 583      | 6/2/2011 11:16 | 14.32  | 48.82  | 31.89        | 7.70    | 7.77 | 11.7              | 2.27            | 91.7  |
| 584      | 6/2/2011 11:31 | 14.30  | 48.66  | 31.77        | 7.76    | 7.78 | 10.7              | 2.36            | 92.2  |
| 585      | 6/2/2011 11:46 | 14.19  | 48.38  | 31.56        | 7.83    | 7.78 | 11.1              | 2.45            | 92.7  |
| 586      | 6/2/2011 12:01 | 14.00  | 48.74  | 31.82        | 7.83    | 7.79 | 12.3              | 2.53            | 92.5  |
| 587      | 6/2/2011 12:16 | 13.78  | 49.16  | 32.11        | 7.95    | 7.79 | 14.2              | 2.61            | 93.7  |
| 588      | 6/2/2011 12:31 | 13.69  | 49.01  | 32.00        | 8.02    | 7.80 | 13.1              | 2.69            | 94.3  |
| 589      | 6/2/2011 12:46 | 13.53  | 49.24  | 32.17        | 8.09    | 7.80 | 14.0              | 2.75            | 94.9  |
| 590      | 6/2/2011 13:01 | 13.17  | 48.89  | 31.90        | 8.33    | 7.81 | 12.8              | 2.83            | 96.8  |
| 591      | 6/2/2011 13:16 | 12.92  | 48.96  | 31.94        | 8.55    | 7.83 | 11.9              | 2.87            | 98.9  |
| 592      | 6/2/2011 13:31 | 12.85  | 49.20  | 32.11        | 8.66    | 7.83 | 10.6              | 2.93            | 100.1 |
| 593      | 6/2/2011 13:46 | 12.81  | 49.30  | 32.18        | 8.71    | 7.84 | 8.5               | 2.98            | 100.7 |
| 594      | 6/2/2011 14:01 | 12.77  | 48.97  | 31.94        | 8.72    | 7.85 | 6.2               | 3.00            | 100.5 |
| 595      | 6/2/2011 14:16 | 12.83  | 48.96  | 31.94        | 8.49    | 7.83 | 4.0               | 3.03            | 97.9  |
| 596      | 6/2/2011 14:31 | 12.97  | 49.41  | 32.27        | 8.44    | 7.83 | 7.0               | 3.03            | 97.9  |
| 597      | 6/2/2011 14:46 | 12.87  | 49.30  | 32.18        | 8.65    | 7.84 | 6.9               | 3.01            | 100.0 |
| 598      | 6/2/2011 15:01 | 12.88  | 49.47  | 32.31        | 8.61    | 7.84 | 6.8               | 2.97            | 99.6  |
| 599      | 6/2/2011 15:16 | 12.97  | 48.94  | 31.93        | 8.47    | 7.83 | 7.9               | 2.91            | 98.1  |
| 600      | 6/2/2011 15:31 | 13.17  | 48.97  | 31.96        | 8.54    | 7.84 | 9.3               | 2.86            | 99.3  |
| 601      | 6/2/2011 15:46 | 13.59  | 48.87  | 31.90        | 8.47    | 7.83 | 10.3              | 2.79            | 99.3  |
| 602      | 6/2/2011 16:01 | 14.09  | 49.06  | 32.05        | 8.36    | 7.83 | 12.1              | 2.71            | 99.0  |
| 603      | 6/2/2011 16:16 | 14.50  | 48.91  | 31.95        | 8.40    | 7.83 | 11.6              | 2.64            | 100.3 |
| 604      | 6/2/2011 16:31 | 14.74  | 48.86  | 31.93        | 8.48    | 7.84 | 11.0              | 2.58            | 101.8 |
| 605      | 6/2/2011 16:46 | 14.86  | 48.48  | 31.65        | 8.70    | 7.85 | 12.0              | 2.51            | 104.4 |
| 606      | 6/2/2011 17:01 | 14.92  | 48.95  | 32.00        | 8.57    | 7.84 | 11.9              | 2.45            | 103.3 |
| 607      | 6/2/2011 17:16 | 15.09  | 48.74  | 31.85        | 8.57    | 7.85 | 13.1              | 2.40            | 103.5 |
| 608      | 6/2/2011 17:31 | 15.26  | 48.03  | 31.33        | 8.70    | 7.86 | 12.1              | 2.34            | 105.1 |
| 609      | 6/2/2011 17:46 | 15.36  | 48.71  | 31.83        | 8.67    | 7.86 | 12.1              | 2.29            | 105.3 |
| 610      | 6/2/2011 18:01 | 15.44  | 48.11  | 31.40        | 8.81    | 7.87 | 10.3              | 2.26            | 106.9 |
| 611      | 6/2/2011 18:16 | 15.46  | 48.54  | 31.71        | 8.69    | 7.86 | 10.6              | 2.22            | 105.6 |
| 612      | 6/2/2011 18:31 | 15.51  | 48.18  | 31.45        | 8.57    | 7.85 | 8.5               | 2.20            | 104.2 |
| 613      | 6/2/2011 18:46 | 15.54  | 48.56  | 31.72        | 8.43    | 7.86 | 9.2               | 2.20            | 102.6 |
| 614      | 6/2/2011 19:01 | 15.50  | 48.74  | 31.85        | 8.73    | 7.85 | 9.7               | 2.20            | 106.4 |
| 615      | 6/2/2011 19:16 | 15.43  | 48.52  | 31.70        | 8.72    | 7.85 | 9.8               | 2.21            | 105.9 |
| 616      | 6/2/2011 19:31 | 15.32  | 48.36  | 31.58        | 8.59    | 7.84 | 9.2               | 2.25            | 104.0 |
| 617      | 6/2/2011 19:46 | 15.17  | 48.50  | 31.67        | 8.54    | 7.83 | 8.3               | 2.29            | 103.2 |
| 618      | 6/2/2011 20:01 | 15.03  | 48.75  | 31.85        | 8.40    | 7.82 | 8.5               | 2.34            | 101.3 |
| 619      | 6/2/2011 20:16 | 14.89  | 48.51  | 31.67        | 8.33    | 7.82 | 8.3               | 2.39            | 100.1 |
| 620      | 6/2/2011 20:31 | 14.78  | 48.93  | 31.97        | 8.36    | 7.82 | 9.3               | 2.47            | 100.4 |
| 621      | 6/2/2011 20:46 | 14.60  | 48.40  | 31.58        | 8.42    | 7.82 | 8.9               | 2.53            | 100.5 |
| 622      | 6/2/2011 21:01 | 14.41  | 48.39  | 31.57        | 8.40    | 7.83 | 8.7               | 2.60            | 99.9  |
| 623      | 6/2/2011 21:16 | 13.97  | 48.84  | 31.89        | 8.40    | 7.82 | 8.3               | 2.67            | 99.2  |
| 624      | 6/2/2011 21:31 | 13.67  | 48.45  | 31.59        | 8.48    | 7.83 | 8.7               | 2.75            | 99.4  |
| 625      | 6/2/2011 21:46 | 13.52  | 49.18  | 32.12        | 8.53    | 7.83 | 8.4               | 2.83            | 99.9  |
| 626      | 6/2/2011 22:01 | 13.41  | 49.09  | 32.05        | 8.61    | 7.84 | 7.7               | 2.91            | 100.6 |
| 627      | 6/2/2011 22:16 | 13.14  | 49.16  | 32.09        | 8.78    | 7.85 | 7.6               | 2.99            | 102.1 |
| 628      | 6/2/2011 22:31 | 12.98  | 49.07  | 32.02        | 8.92    | 7.87 | 8.2               | 3.07            | 103.4 |
| 629      | 6/2/2011 22:46 | 12.80  | 48.91  | 31.90        | 9.04    | 7.88 | 7.9               | 3.15            | 104.3 |
| 630      | 6/2/2011 23:01 | 12.68  | 48.78  | 31.80        | 9.15    | 7.89 | 7.4               | 3.24            | 105.2 |
| 631      | 6/2/2011 23:16 | 12.58  | 49.43  | 32.27        | 9.37    | 7.91 | 7.9               | 3.31            | 107.7 |
| 632      | 6/2/2011 23:31 | 12.50  | 48.98  | 31.94        | 9.55    | 7.92 | 7.1               | 3.39            | 109.4 |
| 633      | 6/2/2011 23:46 | 12.45  | 48.65  | 31.70        | 9.64    | 7.93 | 5.8               | 3.45            | 110.2 |
| 634      | 6/3/2011 0:01  | 12.39  | 49.15  | 32.06        | 9.65    | 7.94 | 5.2               | 3.52            | 110.4 |
| 635      | 6/3/2011 0:16  | 12.35  | 48.74  | 31.75        | 9.76    | 7.95 | 4.2               | 3.56            | 111.4 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 636      | 6/3/2011 0:31  | 12.31  | 49.22  | 32.10        | 9.73    | 7.94 | 3.6               | 3.60            | 111.2 |
| 637      | 6/3/2011 0:46  | 12.30  | 48.98  | 31.93        | 9.70    | 7.94 | 3.5               | 3.62            | 110.7 |
| 638      | 6/3/2011 1:01  | 12.63  | 48.64  | 31.69        | 9.17    | 7.91 | 4.5               | 3.63            | 105.2 |
| 639      | 6/3/2011 1:16  | 12.89  | 49.15  | 32.08        | 8.52    | 7.85 | 4.8               | 3.62            | 98.6  |
| 640      | 6/3/2011 1:31  | 12.78  | 48.82  | 31.84        | 8.90    | 7.89 | 5.0               | 3.58            | 102.6 |
| 641      | 6/3/2011 1:46  | 12.75  | 48.74  | 31.77        | 9.00    | 7.89 | 6.5               | 3.52            | 103.6 |
| 642      | 6/3/2011 2:01  | 12.68  | 49.03  | 31.98        | 8.99    | 7.89 | 9.2               | 3.45            | 103.5 |
| 643      | 6/3/2011 2:16  | 12.59  | 49.11  | 32.04        | 9.10    | 7.89 | 7.4               | 3.36            | 104.6 |
| 644      | 6/3/2011 2:31  | 12.71  | 49.21  | 32.11        | 9.02    | 7.88 | 6.5               | 3.26            | 103.9 |
| 645      | 6/3/2011 2:46  | 13.11  | 48.87  | 31.88        | 8.78    | 7.88 | 7.8               | 3.15            | 101.9 |
| 646      | 6/3/2011 3:01  | 13.02  | 49.19  | 32.11        | 8.91    | 7.87 | 8.5               | 3.04            | 103.4 |
| 647      | 6/3/2011 3:16  | 13.09  | 48.72  | 31.77        | 8.98    | 7.88 | 8.7               | 2.92            | 104.0 |
| 648      | 6/3/2011 3:31  | 13.33  | 48.88  | 31.90        | 8.72    | 7.86 | 7.9               | 2.80            | 101.6 |
| 649      | 6/3/2011 3:46  | 13.22  | 48.78  | 31.82        | 8.63    | 7.86 | 9.6               | 2.67            | 100.3 |
| 650      | 6/3/2011 4:01  | 13.50  | 48.70  | 31.77        | 8.46    | 7.84 | 9.3               | 2.55            | 98.9  |
| 651      | 6/3/2011 4:16  | 14.00  | 48.80  | 31.86        | 8.26    | 7.82 | 10.2              | 2.42            | 97.6  |
| 652      | 6/3/2011 4:31  | 14.15  | 48.32  | 31.51        | 8.23    | 7.82 | 10.9              | 2.30            | 97.3  |
| 653      | 6/3/2011 4:46  | 13.98  | 47.93  | 31.23        | 8.11    | 7.81 | 10.4              | 2.15            | 95.4  |
| 654      | 6/3/2011 5:01  | 14.03  | 48.31  | 31.50        | 8.09    | 7.81 | 11.4              | 2.01            | 95.5  |
| 655      | 6/3/2011 5:16  | 14.25  | 48.23  | 31.45        | 8.11    | 7.81 | 13.1              | 1.88            | 96.1  |
| 656      | 6/3/2011 5:31  | 14.40  | 47.89  | 31.21        | 8.00    | 7.81 | 14.8              | 1.73            | 94.9  |
| 657      | 6/3/2011 5:46  | 14.64  | 48.03  | 31.32        | 7.90    | 7.80 | 16.5              | 1.58            | 94.2  |
| 658      | 6/3/2011 6:01  | 14.81  | 47.82  | 31.17        | 7.85    | 7.79 | 18.4              | 1.44            | 93.9  |
| 659      | 6/3/2011 6:16  | 15.05  | 47.58  | 31.00        | 7.82    | 7.79 | 17.7              | 1.32            | 93.8  |
| 660      | 6/3/2011 6:31  | 15.20  | 47.87  | 31.21        | 7.73    | 7.78 | 17.9              | 1.20            | 93.2  |
| 661      | 6/3/2011 6:46  | 15.31  | 46.93  | 30.53        | 7.68    | 7.78 | 17.5              | 1.08            | 92.4  |
| 662      | 6/3/2011 7:01  | 15.39  | 47.73  | 31.11        | 7.59    | 7.77 | 17.6              | 0.98            | 91.8  |
| 663      | 6/3/2011 7:16  | 15.39  | 47.99  | 31.31        | 7.49    | 7.77 | 19.0              | 0.93            | 90.7  |
| 664      | 6/3/2011 7:31  | 15.43  | 47.50  | 30.95        | 7.40    | 7.77 | 17.4              | 0.89            | 89.5  |
| 665      | 6/3/2011 7:46  | 15.36  | 47.04  | 30.62        | 7.56    | 7.77 | 17.1              | 0.90            | 91.1  |
| 666      | 6/3/2011 8:01  | 15.31  | 47.43  | 30.90        | 7.58    | 7.77 | 14.1              | 0.94            | 91.4  |
| 667      | 6/3/2011 8:16  | 15.29  | 47.23  | 30.75        | 7.60    | 7.77 | 13.9              | 1.00            | 91.5  |
| 668      | 6/3/2011 8:31  | 15.30  | 48.08  | 31.37        | 7.61    | 7.77 | 12.6              | 1.08            | 92.0  |
| 669      | 6/3/2011 8:46  | 15.30  | 47.62  | 31.04        | 8.58    | 7.78 | 9.8               | 1.14            | 103.6 |
| 670      | 6/3/2011 9:01  | 15.25  | 47.84  | 31.20        | 7.62    | 7.77 | 10.7              | 1.22            | 91.9  |
| 671      | 6/3/2011 9:16  | 15.23  | 47.40  | 30.87        | 7.60    | 7.76 | 10.4              | 1.30            | 91.5  |
| 672      | 6/3/2011 9:31  | 15.23  | 46.99  | 30.58        | 7.62    | 7.76 | 10.2              | 1.38            | 91.5  |
| 673      | 6/3/2011 9:46  | 15.17  | 47.40  | 30.88        | 7.54    | 7.76 | 9.9               | 1.45            | 90.6  |
| 674      | 6/3/2011 10:01 | 15.13  | 46.69  | 30.36        | 7.57    | 7.76 | 9.3               | 1.53            | 90.6  |
| 675      | 6/3/2011 10:16 | 15.11  | 47.31  | 30.81        | 7.55    | 7.76 | 9.6               | 1.62            | 90.7  |
| 676      | 6/3/2011 10:31 | 15.09  | 46.90  | 30.51        | 7.63    | 7.76 | 10.9              | 1.70            | 91.4  |
| 677      | 6/3/2011 10:46 | 14.76  | 47.67  | 31.06        | 7.60    | 7.76 | 9.9               | 1.80            | 90.7  |
| 678      | 6/3/2011 11:01 | 14.70  | 47.72  | 31.10        | 7.62    | 7.76 | 10.5              | 1.90            | 90.9  |
| 679      | 6/3/2011 11:16 | 14.63  | 48.34  | 31.54        | 7.62    | 7.77 | 11.1              | 2.00            | 91.0  |
| 680      | 6/3/2011 11:31 | 14.57  | 48.41  | 31.60        | 7.68    | 7.77 | 12.3              | 2.11            | 91.6  |
| 681      | 6/3/2011 11:46 | 14.52  | 47.38  | 30.85        | 7.79    | 7.78 | 10.4              | 2.20            | 92.4  |
| 682      | 6/3/2011 12:01 | 14.43  | 48.20  | 31.44        | 7.83    | 7.78 | 10.0              | 2.29            | 93.1  |
| 683      | 6/3/2011 12:16 | 14.23  | 47.19  | 30.70        | 7.93    | 7.78 | 11.2              | 2.40            | 93.5  |
| 684      | 6/3/2011 12:31 | 14.12  | 43.96  | 28.37        | 8.14    | 7.79 | 12.5              | 2.48            | 94.4  |
| 685      | 6/3/2011 12:46 | 13.91  | 48.17  | 31.40        | 8.11    | 7.80 | 13.4              | 2.55            | 95.3  |
| 686      | 6/3/2011 13:01 | 13.74  | 47.86  | 31.17        | 8.24    | 7.81 | 12.6              | 2.64            | 96.5  |
| 687      | 6/3/2011 13:16 | 13.59  | 48.11  | 31.35        | 8.34    | 7.83 | 12.3              | 2.71            | 97.4  |
| 688      | 6/3/2011 13:31 | 13.25  | 48.59  | 31.69        | 8.62    | 7.85 | 12.5              | 2.78            | 100.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%    |
|----------|----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|--------|
| 689      | 6/3/2011 13:46 | 13.04  | 48.25           | 31.43        | 8.84            | 7.87 | 11.3              | 2.85            | 102.1  |
| 690      | 6/3/2011 14:01 | 12.93  | 47.79           | 31.09        | 8.97            | 7.89 | 9.3               | 2.91            | 103.2  |
| 691      | 6/3/2011 14:16 | 12.89  | 48.36           | 31.51        | 9.00            | 7.89 | 7.1               | 2.96            | 103.7  |
| 692      | 6/3/2011 14:31 | 12.84  | 48.31           | 31.46        | 9.02            | 7.90 | 5.4               | 3.01            | 103.8  |
|          | Mean           | 14.05  | 48.71           | 31.79        | 8.23            | 7.81 | 9.84              | 2.34            | 97.12  |
|          | Minimum        | 11.52  | 43.96           | 28.37        | 7.18            | 7.70 | 1.60              | 0.89            | 87.00  |
|          | Maximum        | 15.71  | 49.82           | 32.58        | 11.03           | 8.04 | 34.10             | 3.63            | 116.30 |

| Parameter           | Criteria          | Source                                                                       |
|---------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved<br>Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH                  | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 0        | 6/3/2011 15:15 | 13.06  | 44.66  | 28.85        | 9.69    | 7.86 | 5.9        | 3.21            | 110.3 |
| 1        | 6/3/2011 15:30 | 12.94  | 44.61  | 28.80        | 9.59    | 7.88 | 4.5        | 3.18            | 108.8 |
| 2        | 6/3/2011 15:45 | 12.94  | 45.71  | 29.60        | 9.36    | 7.88 | 5.2        | 3.13            | 106.7 |
| 3        | 6/3/2011 16:00 | 13.05  | 44.42  | 28.67        | 9.20    | 7.87 | 6.8        | 3.07            | 104.5 |
| 4        | 6/3/2011 16:15 | 13.67  | 44.46  | 28.72        | 8.96    | 7.86 | 10.1       | 2.99            | 103.1 |
| 5        | 6/3/2011 16:30 | 13.66  | 45.67  | 29.59        | 9.03    | 7.87 | 9.9        | 2.94            | 104.5 |
| 6        | 6/3/2011 16:45 | 13.75  | 45.58  | 29.52        | 8.80    | 7.85 | 9.3        | 2.85            | 102.0 |
| 7        | 6/3/2011 17:00 | 13.97  | 45.57  | 29.52        | 8.73    | 7.85 | 8.9        | 2.77            | 101.6 |
| 8        | 6/3/2011 17:15 | 14.00  | 45.59  | 29.54        | 8.62    | 7.84 | 9.1        | 2.72            | 100.4 |
| 9        | 6/3/2011 17:30 | 14.15  | 45.55  | 29.51        | 8.49    | 7.83 | 7.7        | 2.65            | 99.2  |
| 10       | 6/3/2011 17:45 | 14.31  | 45.51  | 29.49        | 8.37    | 7.82 | 8.4        | 2.59            | 98.1  |
| 11       | 6/3/2011 18:00 | 14.73  | 45.43  | 29.44        | 8.53    | 7.84 | 9.9        | 2.54            | 100.8 |
| 12       | 6/3/2011 18:15 | 14.63  | 45.51  | 29.49        | 9.41    | 7.91 | 7.4        | 2.49            | 111.0 |
| 13       | 6/3/2011 18:30 | 14.95  | 45.42  | 29.44        | 9.03    | 7.88 | 8.5        | 2.45            | 107.2 |
| 14       | 6/3/2011 18:45 | 15.04  | 45.34  | 29.38        | 8.91    | 7.87 | 8.0        | 2.42            | 105.8 |
| 15       | 6/3/2011 19:00 | 15.11  | 45.30  | 29.36        | 8.54    | 7.84 | 6.3        | 2.39            | 101.6 |
| 16       | 6/3/2011 19:15 | 15.23  | 45.22  | 29.30        | 8.50    | 7.83 | 7.0        | 2.37            | 101.3 |
| 17       | 6/3/2011 19:30 | 15.05  | 45.31  | 29.36        | 8.39    | 7.83 | 7.0        | 2.38            | 99.7  |
| 18       | 6/3/2011 19:45 | 14.93  | 45.30  | 29.35        | 8.66    | 7.85 | 7.2        | 2.37            | 102.7 |
| 19       | 6/3/2011 20:00 | 15.05  | 45.27  | 29.33        | 8.67    | 7.85 | 6.5        | 2.38            | 103.0 |
| 20       | 6/3/2011 20:15 | 14.99  | 45.31  | 29.36        | 8.57    | 7.83 | 7.0        | 2.42            | 101.7 |
| 21       | 6/3/2011 20:30 | 14.79  | 45.33  | 29.37        | 8.44    | 7.82 | 7.2        | 2.47            | 99.8  |
| 22       | 6/3/2011 20:45 | 14.66  | 45.42  | 29.43        | 8.34    | 7.82 | 7.0        | 2.52            | 98.4  |
| 23       | 6/3/2011 21:00 | 14.75  | 45.30  | 29.35        | 8.34    | 7.81 | 7.2        | 2.58            | 98.5  |
| 24       | 6/3/2011 21:15 | 14.44  | 45.48  | 29.47        | 8.40    | 7.82 | 7.6        | 2.64            | 98.7  |
| 25       | 6/3/2011 21:30 | 14.28  | 45.51  | 29.49        | 8.51    | 7.83 | 6.8        | 2.72            | 99.7  |
| 26       | 6/3/2011 21:45 | 14.03  | 44.50  | 28.76        | 8.62    | 7.84 | 7.5        | 2.79            | 100.0 |
| 27       | 6/3/2011 22:00 | 13.56  | 45.66  | 29.58        | 8.84    | 7.86 | 7.1        | 2.86            | 102.1 |
| 28       | 6/3/2011 22:15 | 13.38  | 45.70  | 29.60        | 8.93    | 7.87 | 6.4        | 2.95            | 102.8 |
| 29       | 6/3/2011 22:30 | 13.31  | 45.67  | 29.58        | 8.95    | 7.88 | 6.6        | 3.03            | 102.8 |
| 30       | 6/3/2011 22:45 | 13.20  | 45.73  | 29.62        | 9.03    | 7.88 | 5.3        | 3.11            | 103.5 |
| 31       | 6/3/2011 23:00 | 13.17  | 45.69  | 29.59        | 9.06    | 7.89 | 5.7        | 3.19            | 103.8 |
| 32       | 6/3/2011 23:15 | 12.99  | 45.75  | 29.63        | 9.23    | 7.90 | 5.9        | 3.27            | 105.4 |
| 33       | 6/3/2011 23:30 | 12.77  | 45.77  | 29.63        | 9.46    | 7.92 | 5.6        | 3.35            | 107.4 |
| 34       | 6/3/2011 23:45 | 12.66  | 45.79  | 29.64        | 9.55    | 7.93 | 6.1        | 3.43            | 108.3 |
| 35       | 6/4/2011 00:00 | 12.48  | 45.82  | 29.66        | 9.85    | 7.95 | 6.4        | 3.51            | 111.2 |
| 36       | 6/4/2011 00:15 | 12.37  | 45.86  | 29.68        | 10.02   | 7.96 | 6.8        | 3.58            | 112.9 |
| 37       | 6/4/2011 00:30 | 12.30  | 45.85  | 29.67        | 10.07   | 7.96 | 4.9        | 3.64            | 113.3 |
| 38       | 6/4/2011 00:45 | 12.24  | 45.90  | 29.71        | 10.09   | 7.97 | 3.4        | 3.69            | 113.4 |
| 39       | 6/4/2011 01:00 | 12.13  | 45.94  | 29.73        | 10.11   | 7.97 | 2.8        | 3.74            | 113.4 |
| 40       | 6/4/2011 01:15 | 12.09  | 45.95  | 29.74        | 10.08   | 7.97 | 2.6        | 3.77            | 113.0 |
| 41       | 6/4/2011 01:30 | 12.13  | 45.66  | 29.53        | 9.99    | 7.96 | 0.9        | 3.78            | 111.9 |
| 42       | 6/4/2011 01:45 | 12.35  | 45.91  | 29.71        | 9.65    | 7.94 | 3.0        | 3.78            | 108.8 |
| 43       | 6/4/2011 02:00 | 12.27  | 45.78  | 29.62        | 9.70    | 7.95 | 2.6        | 3.76            | 109.0 |
| 44       | 6/4/2011 02:15 | 12.58  | 45.82  | 29.66        | 9.51    | 7.93 | 3.8        | 3.71            | 107.7 |
| 45       | 6/4/2011 02:30 | 12.46  | 45.86  | 29.68        | 9.60    | 7.94 | 3.4        | 3.64            | 108.4 |
| 46       | 6/4/2011 02:45 | 12.45  | 45.86  | 29.68        | 9.68    | 7.94 | 6.8        | 3.56            | 109.2 |
| 47       | 6/4/2011 03:00 | 12.43  | 45.87  | 29.69        | 9.75    | 7.94 | 4.8        | 3.47            | 110.0 |
| 48       | 6/4/2011 03:15 | 12.96  | 45.75  | 29.63        | 9.13    | 7.90 | 6.3        | 3.36            | 104.1 |
| 49       | 6/4/2011 03:30 | 12.97  | 45.75  | 29.62        | 9.13    | 7.90 | 7.1        | 3.26            | 104.1 |
| 50       | 6/4/2011 03:45 | 13.02  | 45.74  | 29.62        | 9.04    | 7.89 | 7.1        | 3.14            | 103.2 |
| 51       | 6/4/2011 04:00 | 13.31  | 45.62  | 29.54        | 8.85    | 7.86 | 7.0        | 3.02            | 101.6 |
| 52       | 6/4/2011 04:15 | 13.13  | 45.69  | 29.58        | 8.84    | 7.88 | 7.0        | 2.90            | 101.1 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 53       | 6/4/2011 04:30 | 13.59  | 45.50  | 29.46        | 8.50    | 7.85 | 7.9        | 2.78            | 98.2  |
| 54       | 6/4/2011 04:45 | 13.76  | 45.53  | 29.49        | 8.36    | 7.83 | 7.8        | 2.66            | 96.8  |
| 55       | 6/4/2011 05:00 | 13.89  | 45.00  | 29.11        | 8.23    | 7.82 | 9.3        | 2.53            | 95.4  |
| 56       | 6/4/2011 05:15 | 13.75  | 45.41  | 29.41        | 8.33    | 7.83 | 10.3       | 2.40            | 96.5  |
| 57       | 6/4/2011 05:30 | 14.02  | 45.42  | 29.42        | 8.20    | 7.82 | 10.5       | 2.27            | 95.5  |
| 58       | 6/4/2011 05:45 | 14.00  | 45.20  | 29.26        | 8.19    | 7.81 | 10.6       | 2.13            | 95.2  |
| 59       | 6/4/2011 06:00 | 14.07  | 45.27  | 29.31        | 8.15    | 7.81 | 11.1       | 1.99            | 94.9  |
| 60       | 6/4/2011 06:15 | 14.35  | 45.32  | 29.36        | 8.00    | 7.80 | 14.0       | 1.86            | 93.7  |
| 61       | 6/4/2011 06:30 | 14.46  | 45.30  | 29.34        | 7.86    | 7.78 | 15.3       | 1.71            | 92.3  |
| 62       | 6/4/2011 06:45 | 14.74  | 45.20  | 29.28        | 7.73    | 7.77 | 16.3       | 1.58            | 91.2  |
| 63       | 6/4/2011 07:00 | 14.82  | 45.15  | 29.24        | 7.63    | 7.76 | 14.2       | 1.45            | 90.3  |
| 64       | 6/4/2011 07:15 | 14.88  | 45.17  | 29.26        | 7.64    | 7.76 | 21.9       | 1.33            | 90.4  |
| 65       | 6/4/2011 07:30 | 15.05  | 45.05  | 29.17        | 7.58    | 7.76 | 13.3       | 1.23            | 90.0  |
| 66       | 6/4/2011 07:45 | 15.21  | 44.99  | 29.14        | 7.49    | 7.75 | 13.9       | 1.14            | 89.2  |
| 67       | 6/4/2011 08:00 | 15.30  | 44.97  | 29.12        | 7.44    | 7.75 | 14.2       | 1.09            | 88.7  |
| 68       | 6/4/2011 08:15 | 15.34  | 44.94  | 29.10        | 7.46    | 7.75 | 14.0       | 1.06            | 89.0  |
| 69       | 6/4/2011 08:30 | 15.21  | 44.99  | 29.14        | 7.47    | 7.74 | 11.8       | 1.07            | 89.0  |
| 70       | 6/4/2011 08:45 | 15.19  | 44.55  | 28.82        | 7.52    | 7.75 | 10.7       | 1.13            | 89.3  |
| 71       | 6/4/2011 09:00 | 15.17  | 45.00  | 29.14        | 7.50    | 7.74 | 13.1       | 1.17            | 89.2  |
| 72       | 6/4/2011 09:15 | 15.22  | 45.01  | 29.15        | 7.53    | 7.75 | 9.8        | 1.25            | 89.6  |
| 73       | 6/4/2011 09:30 | 15.19  | 44.80  | 29.00        | 7.54    | 7.74 | 9.8        | 1.35            | 89.7  |
| 74       | 6/4/2011 09:45 | 15.14  | 44.81  | 29.00        | 7.47    | 7.74 | 10.6       | 1.41            | 88.7  |
| 75       | 6/4/2011 10:00 | 15.11  | 44.74  | 28.95        | 7.45    | 7.73 | 10.2       | 1.50            | 88.4  |
| 76       | 6/4/2011 10:15 | 15.14  | 44.21  | 28.58        | 7.40    | 7.72 | 10.4       | 1.58            | 87.7  |
| 77       | 6/4/2011 10:30 | 15.01  | 44.72  | 28.93        | 7.36    | 7.73 | 9.3        | 1.66            | 87.2  |
| 78       | 6/4/2011 10:45 | 14.97  | 44.60  | 28.85        | 7.38    | 7.73 | 9.2        | 1.74            | 87.3  |
| 79       | 6/4/2011 11:00 | 14.91  | 44.89  | 29.06        | 7.39    | 7.73 | 9.6        | 1.84            | 87.4  |
| 80       | 6/4/2011 11:15 | 14.72  | 45.01  | 29.14        | 7.47    | 7.74 | 9.5        | 1.93            | 88.0  |
| 81       | 6/4/2011 11:30 | 14.63  | 45.01  | 29.14        | 7.49    | 7.74 | 8.2        | 2.03            | 88.1  |
| 82       | 6/4/2011 11:45 | 14.48  | 45.31  | 29.35        | 7.61    | 7.75 | 10.0       | 2.13            | 89.4  |
| 83       | 6/4/2011 12:00 | 14.47  | 45.40  | 29.41        | 7.63    | 7.75 | 9.0        | 2.23            | 89.6  |
| 84       | 6/4/2011 12:15 | 14.45  | 45.34  | 29.37        | 7.67    | 7.76 | 9.5        | 2.32            | 90.0  |
| 85       | 6/4/2011 12:30 | 14.43  | 45.35  | 29.38        | 7.72    | 7.76 | 9.5        | 2.43            | 90.6  |
| 86       | 6/4/2011 12:45 | 14.33  | 45.20  | 29.26        | 7.79    | 7.77 | 10.2       | 2.52            | 91.2  |
| 87       | 6/4/2011 13:00 | 14.13  | 45.38  | 29.39        | 7.95    | 7.79 | 11.5       | 2.61            | 92.7  |
| 88       | 6/4/2011 13:15 | 14.05  | 45.07  | 29.17        | 7.99    | 7.79 | 10.8       | 2.69            | 92.9  |
| 89       | 6/4/2011 13:30 | 13.86  | 45.34  | 29.36        | 8.18    | 7.81 | 12.3       | 2.78            | 94.9  |
| 90       | 6/4/2011 13:45 | 13.72  | 45.32  | 29.33        | 8.28    | 7.82 | 12.7       | 2.86            | 95.7  |
| 91       | 6/4/2011 14:00 | 13.48  | 45.39  | 29.38        | 8.45    | 7.83 | 10.0       | 2.93            | 97.2  |
| 92       | 6/4/2011 14:15 | 13.19  | 44.98  | 29.08        | 8.68    | 7.85 | 9.6        | 3.02            | 99.1  |
| 93       | 6/4/2011 14:30 | 13.03  | 45.52  | 29.46        | 8.80    | 7.86 | 10.1       | 3.08            | 100.4 |
| 94       | 6/4/2011 14:45 | 12.95  | 45.69  | 29.58        | 8.85    | 7.87 | 9.2        | 3.14            | 100.9 |
| 95       | 6/4/2011 15:00 | 12.87  | 45.08  | 29.14        | 8.93    | 7.87 | 7.1        | 3.19            | 101.4 |
| 96       | 6/4/2011 15:15 | 12.82  | 45.61  | 29.52        | 8.98    | 7.88 | 5.6        | 3.24            | 102.1 |
| 97       | 6/4/2011 15:30 | 12.81  | 45.50  | 29.44        | 8.99    | 7.88 | 3.7        | 3.25            | 102.1 |
| 98       | 6/4/2011 15:45 | 12.88  | 45.59  | 29.50        | 8.77    | 7.87 | 3.4        | 3.24            | 99.7  |
| 99       | 6/4/2011 16:00 | 13.01  | 45.41  | 29.38        | 8.66    | 7.86 | 4.4        | 3.24            | 98.8  |
| 100      | 6/4/2011 16:15 | 12.83  | 45.60  | 29.51        | 8.78    | 7.87 | 4.3        | 3.21            | 99.8  |
| 101      | 6/4/2011 16:30 | 12.89  | 45.49  | 29.43        | 8.78    | 7.87 | 5.3        | 3.17            | 99.9  |
| 102      | 6/4/2011 16:45 | 13.35  | 45.53  | 29.47        | 8.68    | 7.86 | 7.9        | 3.10            | 99.7  |
| 103      | 6/4/2011 17:00 | 13.35  | 45.64  | 29.56        | 8.81    | 7.87 | 8.4        | 3.03            | 101.3 |
| 104      | 6/4/2011 17:15 | 13.43  | 45.43  | 29.41        | 8.93    | 7.88 | 10.1       | 2.96            | 102.7 |
| 105      | 6/4/2011 17:30 | 13.37  | 45.18  | 29.23        | 8.91    | 7.87 | 10.1       | 2.88            | 102.3 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 106      | 6/4/2011 17:45 | 13.38  | 45.57  | 29.51        | 8.80    | 7.87 | 9.3        | 2.80            | 101.2 |
| 107      | 6/4/2011 18:00 | 13.84  | 45.36  | 29.37        | 8.57    | 7.84 | 8.5        | 2.73            | 99.4  |
| 108      | 6/4/2011 18:15 | 14.04  | 45.28  | 29.31        | 8.32    | 7.82 | 8.7        | 2.66            | 96.9  |
| 109      | 6/4/2011 18:30 | 13.89  | 45.38  | 29.39        | 8.68    | 7.85 | 8.8        | 2.59            | 100.8 |
| 110      | 6/4/2011 18:45 | 13.66  | 45.34  | 29.35        | 8.95    | 7.88 | 8.1        | 2.54            | 103.4 |
| 111      | 6/4/2011 19:00 | 14.17  | 45.22  | 29.28        | 8.68    | 7.84 | 8.9        | 2.49            | 101.3 |
| 112      | 6/4/2011 19:15 | 14.47  | 44.91  | 29.06        | 8.36    | 7.82 | 7.3        | 2.44            | 98.0  |
| 113      | 6/4/2011 19:30 | 14.45  | 45.08  | 29.19        | 8.54    | 7.84 | 8.2        | 2.40            | 100.2 |
| 114      | 6/4/2011 19:45 | 14.64  | 45.19  | 29.26        | 8.42    | 7.82 | 8.5        | 2.38            | 99.2  |
| 115      | 6/4/2011 20:00 | 14.82  | 45.04  | 29.16        | 8.12    | 7.79 | 7.9        | 2.36            | 96.0  |
| 116      | 6/4/2011 20:15 | 14.81  | 44.95  | 29.10        | 8.02    | 7.79 | 6.2        | 2.35            | 94.7  |
| 117      | 6/4/2011 20:30 | 14.73  | 44.40  | 28.70        | 8.18    | 7.80 | 6.7        | 2.35            | 96.2  |
| 118      | 6/4/2011 20:45 | 14.60  | 45.16  | 29.24        | 8.16    | 7.80 | 6.7        | 2.38            | 96.0  |
| 119      | 6/4/2011 21:00 | 14.52  | 45.05  | 29.16        | 8.17    | 7.80 | 7.1        | 2.41            | 95.9  |
| 120      | 6/4/2011 21:15 | 14.51  | 44.99  | 29.12        | 8.15    | 7.80 | 7.3        | 2.45            | 95.7  |
| 121      | 6/4/2011 21:30 | 14.45  | 45.05  | 29.16        | 8.08    | 7.79 | 6.9        | 2.50            | 94.8  |
| 122      | 6/4/2011 21:45 | 14.51  | 45.06  | 29.17        | 8.14    | 7.79 | 7.6        | 2.56            | 95.6  |
| 123      | 6/4/2011 22:00 | 14.41  | 45.10  | 29.20        | 8.07    | 7.79 | 6.6        | 2.63            | 94.6  |
| 124      | 6/4/2011 22:15 | 14.22  | 44.97  | 29.10        | 8.16    | 7.80 | 6.5        | 2.70            | 95.2  |
| 125      | 6/4/2011 22:30 | 14.01  | 45.16  | 29.23        | 8.30    | 7.81 | 5.9        | 2.77            | 96.5  |
| 126      | 6/4/2011 22:45 | 13.82  | 45.46  | 29.44        | 8.36    | 7.82 | 5.5        | 2.84            | 96.9  |
| 127      | 6/4/2011 23:00 | 13.62  | 45.29  | 29.32        | 8.39    | 7.82 | 5.7        | 2.92            | 96.8  |
| 128      | 6/4/2011 23:15 | 13.51  | 45.46  | 29.43        | 8.41    | 7.83 | 5.9        | 3.00            | 96.9  |
| 129      | 6/4/2011 23:30 | 13.41  | 45.42  | 29.40        | 8.46    | 7.83 | 4.6        | 3.07            | 97.2  |
| 130      | 6/4/2011 23:45 | 13.39  | 45.23  | 29.26        | 8.45    | 7.83 | 4.3        | 3.15            | 97.0  |
| 131      | 6/5/2011 00:00 | 13.11  | 45.48  | 29.44        | 8.55    | 7.84 | 5.4        | 3.23            | 97.7  |
| 132      | 6/5/2011 00:15 | 12.85  | 45.65  | 29.54        | 8.59    | 7.85 | 4.9        | 3.31            | 97.7  |
| 133      | 6/5/2011 00:30 | 12.65  | 45.67  | 29.55        | 8.65    | 7.85 | 4.6        | 3.38            | 98.0  |
| 134      | 6/5/2011 00:45 | 12.38  | 45.93  | 29.73        | 8.76    | 7.86 | 5.4        | 3.46            | 98.7  |
| 135      | 6/5/2011 01:00 | 12.24  | 45.86  | 29.68        | 8.81    | 7.87 | 3.7        | 3.53            | 99.0  |
| 136      | 6/5/2011 01:15 | 12.14  | 45.74  | 29.58        | 8.86    | 7.87 | 3.0        | 3.58            | 99.2  |
| 137      | 6/5/2011 01:30 | 12.07  | 45.87  | 29.68        | 8.89    | 7.87 | 2.7        | 3.64            | 99.5  |
| 138      | 6/5/2011 01:45 | 11.99  | 45.81  | 29.63        | 8.92    | 7.88 | 3.3        | 3.68            | 99.7  |
| 139      | 6/5/2011 02:00 | 11.97  | 45.86  | 29.66        | 8.93    | 7.88 | 1.6        | 3.71            | 99.8  |
| 140      | 6/5/2011 02:15 | 11.95  | 45.81  | 29.63        | 8.91    | 7.88 | 1.1        | 3.73            | 99.5  |
| 141      | 6/5/2011 02:30 | 12.08  | 45.73  | 29.58        | 8.63    | 7.86 | 1.5        | 3.71            | 96.6  |
| 142      | 6/5/2011 02:45 | 12.07  | 45.76  | 29.60        | 8.70    | 7.86 | 2.5        | 3.69            | 97.4  |
| 143      | 6/5/2011 03:00 | 12.16  | 45.93  | 29.72        | 8.63    | 7.86 | 1.6        | 3.65            | 96.9  |
| 144      | 6/5/2011 03:15 | 12.47  | 45.73  | 29.59        | 8.56    | 7.85 | 3.9        | 3.58            | 96.6  |
| 145      | 6/5/2011 03:30 | 12.60  | 45.68  | 29.56        | 8.52    | 7.85 | 6.2        | 3.50            | 96.4  |
| 146      | 6/5/2011 03:45 | 12.61  | 45.41  | 29.37        | 8.50    | 7.84 | 5.6        | 3.41            | 96.1  |
| 147      | 6/5/2011 04:00 | 13.28  | 45.37  | 29.36        | 8.17    | 7.82 | 5.9        | 3.32            | 93.7  |
| 148      | 6/5/2011 04:15 | 13.17  | 45.44  | 29.41        | 8.29    | 7.83 | 7.0        | 3.21            | 94.8  |
| 149      | 6/5/2011 04:30 | 13.10  | 45.52  | 29.47        | 8.29    | 7.83 | 6.4        | 3.10            | 94.8  |
| 150      | 6/5/2011 04:45 | 13.23  | 45.44  | 29.41        | 8.22    | 7.82 | 7.4        | 2.99            | 94.2  |
| 151      | 6/5/2011 05:00 | 13.29  | 45.48  | 29.44        | 8.15    | 7.81 | 7.5        | 2.88            | 93.4  |
| 152      | 6/5/2011 05:15 | 13.74  | 45.27  | 29.30        | 7.93    | 7.79 | 7.5        | 2.77            | 91.7  |
| 153      | 6/5/2011 05:30 | 13.91  | 45.24  | 29.29        | 7.73    | 7.77 | 9.8        | 2.64            | 89.7  |
| 154      | 6/5/2011 05:45 | 14.04  | 45.21  | 29.27        | 7.75    | 7.77 | 11.4       | 2.53            | 90.2  |
| 155      | 6/5/2011 06:00 | 13.79  | 45.30  | 29.33        | 7.77    | 7.76 | 9.9        | 2.40            | 90.0  |
| 156      | 6/5/2011 06:15 | 13.97  | 44.80  | 28.97        | 7.76    | 7.77 | 12.1       | 2.25            | 90.0  |
| 157      | 6/5/2011 06:30 | 13.95  | 45.10  | 29.19        | 7.70    | 7.76 | 10.4       | 2.13            | 89.4  |
| 158      | 6/5/2011 06:45 | 14.15  | 45.11  | 29.20        | 7.65    | 7.76 | 13.2       | 1.98            | 89.2  |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 159      | 6/5/2011 07:00 | 14.19  | 45.16  | 29.23        | 7.58    | 7.75 | 14.0              | 1.85            | 88.5  |
| 160      | 6/5/2011 07:15 | 14.46  | 45.11  | 29.20        | 7.49    | 7.74 | 14.8              | 1.71            | 87.9  |
| 161      | 6/5/2011 07:30 | 14.57  | 45.06  | 29.17        | 7.45    | 7.73 | 13.6              | 1.57            | 87.5  |
| 162      | 6/5/2011 07:45 | 14.72  | 44.83  | 29.01        | 7.43    | 7.73 | 14.1              | 1.45            | 87.6  |
| 163      | 6/5/2011 08:00 | 14.83  | 44.75  | 28.96        | 7.41    | 7.73 | 12.8              | 1.34            | 87.4  |
| 164      | 6/5/2011 08:15 | 14.92  | 44.54  | 28.80        | 7.38    | 7.72 | 13.1              | 1.25            | 87.2  |
| 165      | 6/5/2011 08:30 | 15.08  | 44.75  | 28.96        | 7.32    | 7.72 | 12.0              | 1.17            | 86.8  |
| 166      | 6/5/2011 08:45 | 15.19  | 44.61  | 28.86        | 7.29    | 7.72 | 11.8              | 1.14            | 86.7  |
| 167      | 6/5/2011 09:00 | 15.11  | 44.96  | 29.11        | 7.32    | 7.72 | 10.4              | 1.13            | 87.0  |
| 168      | 6/5/2011 09:15 | 15.21  | 44.73  | 28.95        | 7.37    | 7.72 | 9.4               | 1.14            | 87.6  |
| 169      | 6/5/2011 09:30 | 15.27  | 44.75  | 28.96        | 7.40    | 7.72 | 9.2               | 1.20            | 88.1  |
| 170      | 6/5/2011 09:45 | 15.17  | 44.64  | 28.88        | 7.35    | 7.72 | 9.5               | 1.26            | 87.3  |
| 171      | 6/5/2011 10:00 | 15.20  | 44.73  | 28.95        | 7.34    | 7.72 | 8.8               | 1.33            | 87.3  |
| 172      | 6/5/2011 10:15 | 15.25  | 44.85  | 29.03        | 7.35    | 7.72 | 9.4               | 1.41            | 87.5  |
| 173      | 6/5/2011 10:30 | 15.14  | 44.38  | 28.70        | 7.33    | 7.71 | 8.7               | 1.48            | 86.9  |
| 174      | 6/5/2011 10:45 | 15.36  | 43.79  | 28.27        | 7.30    | 7.70 | 8.9               | 1.55            | 86.7  |
| 175      | 6/5/2011 11:00 | 15.26  | 43.97  | 28.41        | 7.26    | 7.70 | 9.6               | 1.64            | 86.2  |
| 176      | 6/5/2011 11:15 | 15.13  | 44.33  | 28.66        | 7.22    | 7.70 | 9.5               | 1.71            | 85.6  |
| 177      | 6/5/2011 11:30 | 14.86  | 44.65  | 28.88        | 7.20    | 7.70 | 8.8               | 1.80            | 84.9  |
| 178      | 6/5/2011 11:45 | 14.81  | 44.69  | 28.91        | 7.23    | 7.71 | 9.5               | 1.88            | 85.2  |
| 179      | 6/5/2011 12:00 | 14.69  | 44.75  | 28.95        | 7.26    | 7.71 | 9.0               | 1.98            | 85.5  |
| 180      | 6/5/2011 12:15 | 14.58  | 44.85  | 29.02        | 7.40    | 7.73 | 9.0               | 2.08            | 87.0  |
| 181      | 6/5/2011 12:30 | 14.54  | 45.08  | 29.19        | 7.42    | 7.73 | 8.6               | 2.18            | 87.2  |
| 182      | 6/5/2011 12:45 | 14.52  | 45.13  | 29.22        | 7.44    | 7.73 | 8.4               | 2.29            | 87.4  |
| 183      | 6/5/2011 13:00 | 14.60  | 45.01  | 29.13        | 7.48    | 7.74 | 8.3               | 2.39            | 87.9  |
| 184      | 6/5/2011 13:15 | 14.71  | 45.31  | 29.36        | 7.55    | 7.75 | 8.4               | 2.48            | 89.1  |
| 185      | 6/5/2011 13:30 | 14.63  | 44.91  | 29.06        | 7.62    | 7.75 | 10.2              | 2.57            | 89.6  |
| 186      | 6/5/2011 13:45 | 14.40  | 45.17  | 29.24        | 7.66    | 7.76 | 10.5              | 2.66            | 89.8  |
| 187      | 6/5/2011 14:00 | 14.41  | 45.16  | 29.24        | 7.77    | 7.77 | 10.9              | 2.74            | 91.1  |
| 188      | 6/5/2011 14:15 | 14.31  | 44.97  | 29.10        | 7.90    | 7.78 | 13.7              | 2.82            | 92.4  |
| 189      | 6/5/2011 14:30 | 14.20  | 44.83  | 29.00        | 8.03    | 7.79 | 11.6              | 2.90            | 93.6  |
| 190      | 6/5/2011 14:45 | 13.96  | 45.37  | 29.38        | 8.05    | 7.79 | 11.2              | 2.97            | 93.5  |
| 191      | 6/5/2011 15:00 | 13.70  | 45.38  | 29.38        | 8.27    | 7.81 | 7.9               | 3.05            | 95.6  |
| 192      | 6/5/2011 15:15 | 13.46  | 45.60  | 29.53        | 8.43    | 7.82 | 7.8               | 3.12            | 97.1  |
| 193      | 6/5/2011 15:30 | 13.35  | 45.53  | 29.48        | 8.50    | 7.83 | 6.7               | 3.18            | 97.7  |
| 194      | 6/5/2011 15:45 | 13.31  | 45.61  | 29.53        | 8.53    | 7.84 | 5.8               | 3.23            | 97.9  |
| 195      | 6/5/2011 16:00 | 13.27  | 45.59  | 29.52        | 8.56    | 7.84 | 4.2               | 3.26            | 98.3  |
| 196      | 6/5/2011 16:15 | 13.27  | 45.55  | 29.49        | 8.55    | 7.84 | 3.8               | 3.28            | 98.1  |
| 197      | 6/5/2011 16:30 | 13.42  | 45.53  | 29.48        | 8.29    | 7.82 | 3.5               | 3.29            | 95.4  |
| 198      | 6/5/2011 16:45 | 13.35  | 45.74  | 29.63        | 8.31    | 7.83 | 3.8               | 3.28            | 95.6  |
| 199      | 6/5/2011 17:00 | 13.24  | 45.76  | 29.64        | 8.36    | 7.83 | 3.5               | 3.23            | 95.9  |
| 200      | 6/5/2011 17:15 | 13.30  | 45.55  | 29.49        | 8.32    | 7.83 | 4.6               | 3.18            | 95.5  |
| 201      | 6/5/2011 17:30 | 14.32  | 45.38  | 29.39        | 8.17    | 7.81 | 7.4               | 3.12            | 95.7  |
| 202      | 6/5/2011 17:45 | 14.17  | 45.51  | 29.48        | 8.22    | 7.82 | 8.3               | 3.04            | 96.1  |
| 203      | 6/5/2011 18:00 | 14.53  | 45.31  | 29.35        | 8.27    | 7.82 | 10.6              | 2.96            | 97.2  |
| 204      | 6/5/2011 18:15 | 14.55  | 45.22  | 29.28        | 8.18    | 7.81 | 8.5               | 2.89            | 96.2  |
| 205      | 6/5/2011 18:30 | 15.07  | 44.95  | 29.11        | 8.19    | 7.81 | 8.0               | 2.82            | 97.2  |
| 206      | 6/5/2011 18:45 | 14.99  | 45.20  | 29.28        | 8.16    | 7.80 | 7.4               | 2.75            | 96.8  |
| 207      | 6/5/2011 19:00 | 15.00  | 45.35  | 29.39        | 8.09    | 7.80 | 7.7               | 2.68            | 96.1  |
| 208      | 6/5/2011 19:15 | 15.27  | 45.30  | 29.36        | 8.04    | 7.80 | 7.8               | 2.63            | 96.0  |
| 209      | 6/5/2011 19:30 | 15.32  | 45.29  | 29.35        | 8.01    | 7.79 | 7.0               | 2.56            | 95.7  |
| 210      | 6/5/2011 19:45 | 15.23  | 45.43  | 29.45        | 8.71    | 7.85 | 8.1               | 2.51            | 103.9 |
| 211      | 6/5/2011 20:00 | 15.39  | 45.38  | 29.42        | 8.60    | 7.85 | 8.7               | 2.46            | 103.0 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 212      | 6/5/2011 20:15 | 15.65  | 45.22  | 29.30        | 8.39    | 7.82 | 6.4        | 2.41            | 100.8 |
| 213      | 6/5/2011 20:30 | 15.91  | 45.07  | 29.20        | 8.15    | 7.80 | 6.7        | 2.38            | 98.4  |
| 214      | 6/5/2011 20:45 | 15.95  | 45.05  | 29.19        | 8.19    | 7.80 | 8.4        | 2.34            | 99.0  |
| 215      | 6/5/2011 21:00 | 16.01  | 45.01  | 29.16        | 8.19    | 7.80 | 6.7        | 2.33            | 99.1  |
| 216      | 6/5/2011 21:15 | 15.89  | 45.07  | 29.20        | 8.03    | 7.79 | 4.9        | 2.33            | 97.0  |
| 217      | 6/5/2011 21:30 | 15.65  | 45.15  | 29.26        | 8.06    | 7.78 | 5.9        | 2.35            | 96.9  |
| 218      | 6/5/2011 21:45 | 15.74  | 45.12  | 29.24        | 8.16    | 7.80 | 6.8        | 2.36            | 98.3  |
| 219      | 6/5/2011 22:00 | 15.74  | 45.08  | 29.21        | 8.12    | 7.79 | 6.5        | 2.40            | 97.7  |
| 220      | 6/5/2011 22:15 | 15.69  | 44.95  | 29.12        | 8.04    | 7.78 | 6.7        | 2.45            | 96.6  |
| 221      | 6/5/2011 22:30 | 15.71  | 45.00  | 29.15        | 7.98    | 7.78 | 7.4        | 2.51            | 96.0  |
| 222      | 6/5/2011 22:45 | 15.59  | 44.52  | 28.80        | 7.94    | 7.77 | 5.8        | 2.57            | 95.0  |
| 223      | 6/5/2011 23:00 | 15.32  | 44.80  | 29.00        | 7.91    | 7.77 | 5.9        | 2.64            | 94.3  |
| 224      | 6/5/2011 23:15 | 15.12  | 45.08  | 29.20        | 7.98    | 7.78 | 5.7        | 2.71            | 94.9  |
| 225      | 6/5/2011 23:30 | 14.74  | 45.23  | 29.30        | 8.03    | 7.79 | 5.5        | 2.77            | 94.8  |
| 226      | 6/5/2011 23:45 | 14.25  | 45.19  | 29.26        | 8.08    | 7.79 | 5.9        | 2.84            | 94.4  |
| 227      | 6/6/2011 00:00 | 14.03  | 45.37  | 29.38        | 8.12    | 7.79 | 4.5        | 2.91            | 94.6  |
| 228      | 6/6/2011 00:15 | 13.94  | 45.12  | 29.20        | 8.16    | 7.80 | 4.2        | 2.98            | 94.7  |
| 229      | 6/6/2011 00:30 | 13.90  | 45.62  | 29.56        | 8.14    | 7.80 | 4.0        | 3.06            | 94.6  |
| 230      | 6/6/2011 00:45 | 13.84  | 45.64  | 29.57        | 8.15    | 7.80 | 4.5        | 3.13            | 94.6  |
| 231      | 6/6/2011 01:00 | 13.53  | 45.72  | 29.62        | 8.29    | 7.81 | 4.4        | 3.20            | 95.7  |
| 232      | 6/6/2011 01:15 | 13.30  | 45.78  | 29.66        | 8.39    | 7.82 | 4.2        | 3.27            | 96.4  |
| 233      | 6/6/2011 01:30 | 13.13  | 45.82  | 29.68        | 8.50    | 7.83 | 4.3        | 3.34            | 97.3  |
| 234      | 6/6/2011 01:45 | 12.89  | 45.87  | 29.71        | 8.68    | 7.85 | 4.6        | 3.39            | 98.9  |
| 235      | 6/6/2011 02:00 | 12.79  | 45.90  | 29.73        | 8.74    | 7.85 | 4.5        | 3.46            | 99.3  |
| 236      | 6/6/2011 02:15 | 12.69  | 45.93  | 29.75        | 8.80    | 7.86 | 3.4        | 3.51            | 99.9  |
| 237      | 6/6/2011 02:30 | 12.62  | 45.96  | 29.76        | 8.87    | 7.86 | 3.4        | 3.56            | 100.6 |
| 238      | 6/6/2011 02:45 | 12.54  | 45.98  | 29.77        | 8.92    | 7.87 | 2.4        | 3.60            | 100.9 |
| 239      | 6/6/2011 03:00 | 12.53  | 45.99  | 29.78        | 8.89    | 7.87 | 1.5        | 3.62            | 100.6 |
| 240      | 6/6/2011 03:15 | 12.90  | 45.85  | 29.70        | 8.62    | 7.84 | 2.7        | 3.64            | 98.2  |
| 241      | 6/6/2011 03:30 | 12.61  | 45.96  | 29.76        | 8.58    | 7.85 | 1.6        | 3.62            | 97.3  |
| 242      | 6/6/2011 03:45 | 12.60  | 45.97  | 29.77        | 8.67    | 7.86 | 2.4        | 3.58            | 98.3  |
| 243      | 6/6/2011 04:00 | 12.79  | 45.91  | 29.73        | 8.54    | 7.84 | 2.7        | 3.53            | 97.1  |
| 244      | 6/6/2011 04:15 | 13.04  | 45.82  | 29.68        | 8.45    | 7.84 | 3.8        | 3.45            | 96.5  |
| 245      | 6/6/2011 04:30 | 13.23  | 45.79  | 29.66        | 8.27    | 7.82 | 5.8        | 3.37            | 94.9  |
| 246      | 6/6/2011 04:45 | 13.80  | 45.63  | 29.56        | 7.98    | 7.80 | 8.7        | 3.26            | 92.5  |
| 247      | 6/6/2011 05:00 | 13.91  | 45.59  | 29.54        | 8.04    | 7.80 | 8.0        | 3.18            | 93.5  |
| 248      | 6/6/2011 05:15 | 13.81  | 45.62  | 29.55        | 8.07    | 7.80 | 7.4        | 3.07            | 93.7  |
| 249      | 6/6/2011 05:30 | 13.93  | 45.58  | 29.53        | 7.99    | 7.79 | 7.6        | 2.97            | 92.9  |
| 250      | 6/6/2011 05:45 | 13.95  | 45.58  | 29.53        | 7.93    | 7.79 | 9.3        | 2.86            | 92.2  |
| 251      | 6/6/2011 06:00 | 14.22  | 45.52  | 29.49        | 7.71    | 7.76 | 9.7        | 2.75            | 90.2  |
| 252      | 6/6/2011 06:15 | 14.87  | 45.30  | 29.35        | 7.65    | 7.76 | 11.9       | 2.63            | 90.6  |
| 253      | 6/6/2011 06:30 | 14.85  | 45.31  | 29.35        | 7.52    | 7.75 | 10.4       | 2.52            | 89.1  |
| 254      | 6/6/2011 06:45 | 14.75  | 45.31  | 29.35        | 7.52    | 7.73 | 11.2       | 2.40            | 88.9  |
| 255      | 6/6/2011 07:00 | 14.87  | 45.31  | 29.36        | 7.62    | 7.75 | 14.0       | 2.26            | 90.2  |
| 256      | 6/6/2011 07:15 | 15.13  | 45.13  | 29.23        | 7.56    | 7.74 | 12.5       | 2.15            | 89.9  |
| 257      | 6/6/2011 07:30 | 15.42  | 45.13  | 29.24        | 7.58    | 7.75 | 13.7       | 2.00            | 90.7  |
| 258      | 6/6/2011 07:45 | 15.34  | 44.98  | 29.13        | 7.59    | 7.74 | 12.5       | 1.89            | 90.6  |
| 259      | 6/6/2011 08:00 | 15.64  | 45.11  | 29.23        | 7.53    | 7.74 | 14.1       | 1.76            | 90.5  |
| 260      | 6/6/2011 08:15 | 15.76  | 45.08  | 29.21        | 7.50    | 7.74 | 13.4       | 1.64            | 90.4  |
| 261      | 6/6/2011 08:30 | 15.86  | 45.05  | 29.19        | 7.45    | 7.73 | 11.8       | 1.53            | 89.9  |
| 262      | 6/6/2011 08:45 | 16.22  | 44.97  | 29.13        | 7.41    | 7.73 | 12.9       | 1.42            | 90.0  |
| 263      | 6/6/2011 09:00 | 16.08  | 45.00  | 29.16        | 7.37    | 7.73 | 10.7       | 1.35            | 89.3  |
| 264      | 6/6/2011 09:15 | 16.18  | 44.98  | 29.14        | 7.34    | 7.72 | 11.3       | 1.29            | 89.1  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 265      | 6/6/2011 09:30 | 16.23  | 44.96  | 29.13        | 7.26    | 7.72 | 10.4       | 1.25            | 88.2  |
| 266      | 6/6/2011 09:45 | 16.29  | 44.94  | 29.12        | 7.38    | 7.72 | 10.4       | 1.24            | 89.7  |
| 267      | 6/6/2011 10:00 | 16.12  | 44.98  | 29.14        | 7.35    | 7.72 | 10.1       | 1.27            | 89.1  |
| 268      | 6/6/2011 10:15 | 16.03  | 45.01  | 29.16        | 7.36    | 7.72 | 10.1       | 1.30            | 89.1  |
| 269      | 6/6/2011 10:30 | 16.07  | 45.01  | 29.16        | 7.42    | 7.72 | 8.7        | 1.35            | 90.0  |
| 270      | 6/6/2011 10:45 | 16.18  | 44.97  | 29.14        | 7.39    | 7.72 | 9.5        | 1.43            | 89.6  |
| 271      | 6/6/2011 11:00 | 16.05  | 45.00  | 29.15        | 7.33    | 7.72 | 9.8        | 1.50            | 88.8  |
| 272      | 6/6/2011 11:15 | 16.15  | 44.83  | 29.03        | 7.33    | 7.71 | 10.1       | 1.56            | 88.8  |
| 273      | 6/6/2011 11:30 | 16.27  | 44.52  | 28.81        | 7.35    | 7.71 | 10.5       | 1.65            | 89.2  |
| 274      | 6/6/2011 11:45 | 16.20  | 44.52  | 28.81        | 7.31    | 7.71 | 9.7        | 1.73            | 88.6  |
| 275      | 6/6/2011 12:00 | 16.17  | 44.55  | 28.83        | 7.29    | 7.71 | 9.7        | 1.80            | 88.3  |
| 276      | 6/6/2011 12:15 | 16.09  | 44.72  | 28.95        | 7.27    | 7.71 | 9.0        | 1.89            | 88.1  |
| 277      | 6/6/2011 12:30 | 15.92  | 44.85  | 29.05        | 7.29    | 7.71 | 9.5        | 1.98            | 88.0  |
| 278      | 6/6/2011 12:45 | 15.67  | 45.00  | 29.15        | 7.28    | 7.71 | 9.6        | 2.08            | 87.4  |
| 279      | 6/6/2011 13:00 | 15.39  | 45.15  | 29.25        | 7.33    | 7.72 | 10.0       | 2.16            | 87.7  |
| 280      | 6/6/2011 13:15 | 15.32  | 45.24  | 29.32        | 7.38    | 7.72 | 10.5       | 2.27            | 88.1  |
| 281      | 6/6/2011 13:30 | 15.22  | 45.29  | 29.35        | 7.38    | 7.72 | 8.6        | 2.36            | 88.0  |
| 282      | 6/6/2011 13:45 | 15.24  | 45.30  | 29.36        | 7.41    | 7.72 | 9.0        | 2.46            | 88.4  |
| 283      | 6/6/2011 14:00 | 15.28  | 45.31  | 29.36        | 7.46    | 7.73 | 10.0       | 2.55            | 89.1  |
| 284      | 6/6/2011 14:15 | 15.15  | 45.32  | 29.37        | 7.54    | 7.74 | 10.1       | 2.64            | 89.7  |
| 285      | 6/6/2011 14:30 | 15.08  | 45.36  | 29.40        | 7.61    | 7.74 | 11.1       | 2.73            | 90.5  |
| 286      | 6/6/2011 14:45 | 14.79  | 45.33  | 29.37        | 7.64    | 7.75 | 12.8       | 2.81            | 90.3  |
| 287      | 6/6/2011 15:00 | 14.61  | 45.36  | 29.39        | 7.82    | 7.76 | 14.6       | 2.89            | 92.1  |
| 288      | 6/6/2011 15:15 | 14.45  | 45.44  | 29.44        | 7.94    | 7.77 | 14.7       | 2.97            | 93.3  |
| 289      | 6/6/2011 15:30 | 14.07  | 45.20  | 29.26        | 8.03    | 7.78 | 13.4       | 3.05            | 93.5  |
| 290      | 6/6/2011 15:45 | 13.79  | 45.63  | 29.57        | 8.21    | 7.80 | 15.2       | 3.11            | 95.3  |
| 291      | 6/6/2011 16:00 | 13.59  | 45.65  | 29.57        | 8.43    | 7.82 | 11.2       | 3.18            | 97.4  |
| 292      | 6/6/2011 16:15 | 13.53  | 45.43  | 29.41        | 8.52    | 7.83 | 7.1        | 3.24            | 98.2  |
| 293      | 6/6/2011 16:30 | 13.50  | 45.77  | 29.65        | 8.57    | 7.83 | 7.1        | 3.28            | 98.9  |
| 294      | 6/6/2011 16:45 | 13.46  | 45.79  | 29.67        | 8.61    | 7.84 | 5.4        | 3.32            | 99.3  |
| 295      | 6/6/2011 17:00 | 13.47  | 45.79  | 29.67        | 8.57    | 7.84 | 3.0        | 3.33            | 98.9  |
| 296      | 6/6/2011 17:15 | 13.52  | 45.74  | 29.63        | 8.39    | 7.83 | 4.1        | 3.33            | 96.8  |
| 297      | 6/6/2011 17:30 | 13.52  | 45.77  | 29.65        | 8.45    | 7.83 | 5.0        | 3.32            | 97.6  |
| 298      | 6/6/2011 17:45 | 13.54  | 45.72  | 29.62        | 8.40    | 7.83 | 5.7        | 3.28            | 97.0  |
| 299      | 6/6/2011 18:00 | 14.50  | 45.56  | 29.53        | 8.36    | 7.83 | 7.6        | 3.21            | 98.4  |
| 300      | 6/6/2011 18:15 | 14.67  | 45.58  | 29.55        | 8.33    | 7.82 | 10.6       | 3.14            | 98.4  |
| 301      | 6/6/2011 18:30 | 14.54  | 45.58  | 29.55        | 8.38    | 7.83 | 12.6       | 3.08            | 98.7  |
| 302      | 6/6/2011 18:45 | 14.72  | 45.54  | 29.52        | 8.31    | 7.81 | 13.2       | 3.00            | 98.2  |
| 303      | 6/6/2011 19:00 | 15.06  | 45.40  | 29.42        | 8.26    | 7.81 | 13.9       | 2.92            | 98.3  |
| 304      | 6/6/2011 19:15 | 14.98  | 45.46  | 29.47        | 8.32    | 7.82 | 13.4       | 2.84            | 98.8  |
| 305      | 6/6/2011 19:30 | 14.95  | 45.22  | 29.29        | 8.42    | 7.82 | 12.0       | 2.78            | 99.9  |
| 306      | 6/6/2011 19:45 | 15.00  | 45.52  | 29.51        | 8.45    | 7.83 | 11.0       | 2.71            | 100.4 |
| 307      | 6/6/2011 20:00 | 15.35  | 45.38  | 29.42        | 8.37    | 7.82 | 14.8       | 2.63            | 100.1 |
| 308      | 6/6/2011 20:15 | 15.53  | 45.40  | 29.43        | 8.29    | 7.82 | 14.0       | 2.58            | 99.6  |
| 309      | 6/6/2011 20:30 | 15.62  | 45.39  | 29.43        | 8.28    | 7.82 | 14.9       | 2.52            | 99.6  |
| 310      | 6/6/2011 20:45 | 15.89  | 45.28  | 29.35        | 8.21    | 7.82 | 13.4       | 2.46            | 99.2  |
| 311      | 6/6/2011 21:00 | 16.12  | 45.13  | 29.25        | 8.14    | 7.80 | 11.5       | 2.41            | 98.8  |
| 312      | 6/6/2011 21:15 | 16.13  | 45.13  | 29.25        | 8.09    | 7.79 | 12.3       | 2.36            | 98.2  |
| 313      | 6/6/2011 21:30 | 16.35  | 45.05  | 29.19        | 8.02    | 7.78 | 11.5       | 2.32            | 97.8  |
| 314      | 6/6/2011 21:45 | 16.43  | 44.98  | 29.15        | 7.94    | 7.77 | 11.6       | 2.30            | 96.9  |
| 315      | 6/6/2011 22:00 | 16.53  | 44.99  | 29.15        | 7.95    | 7.78 | 11.5       | 2.28            | 97.2  |
| 316      | 6/6/2011 22:15 | 16.64  | 44.91  | 29.10        | 7.83    | 7.77 | 7.9        | 2.28            | 95.8  |
| 317      | 6/6/2011 22:30 | 16.59  | 44.96  | 29.13        | 7.98    | 7.78 | 8.4        | 2.30            | 97.6  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                |        | mS/cm  |              | mg/L    |      | NTU        |                 |      |
| 318      | 6/6/2011 22:45 | 16.47  | 45.01  | 29.17        | 7.92    | 7.77 | 10.4       | 2.32            | 96.7 |
| 319      | 6/6/2011 23:00 | 16.49  | 44.98  | 29.14        | 7.92    | 7.77 | 9.2        | 2.35            | 96.7 |
| 320      | 6/6/2011 23:15 | 16.50  | 44.91  | 29.09        | 7.93    | 7.77 | 10.1       | 2.40            | 96.8 |
| 321      | 6/6/2011 23:30 | 16.35  | 45.09  | 29.22        | 7.81    | 7.76 | 10.1       | 2.45            | 95.1 |
| 322      | 6/6/2011 23:45 | 16.53  | 44.98  | 29.15        | 7.91    | 7.77 | 9.0        | 2.51            | 96.7 |
| 323      | 6/7/2011 00:00 | 16.43  | 45.00  | 29.16        | 7.83    | 7.76 | 8.4        | 2.58            | 95.5 |
| 324      | 6/7/2011 00:15 | 16.26  | 45.11  | 29.23        | 7.86    | 7.76 | 8.2        | 2.64            | 95.6 |
| 325      | 6/7/2011 00:30 | 16.03  | 45.17  | 29.28        | 7.88    | 7.76 | 7.6        | 2.70            | 95.4 |
| 326      | 6/7/2011 00:45 | 15.62  | 45.30  | 29.36        | 7.89    | 7.77 | 6.2        | 2.76            | 94.9 |
| 327      | 6/7/2011 01:00 | 15.28  | 45.37  | 29.41        | 7.91    | 7.77 | 6.0        | 2.83            | 94.4 |
| 328      | 6/7/2011 01:15 | 14.99  | 45.44  | 29.46        | 7.98    | 7.78 | 6.8        | 2.89            | 94.7 |
| 329      | 6/7/2011 01:30 | 14.81  | 45.49  | 29.49        | 7.99    | 7.78 | 6.0        | 2.96            | 94.6 |
| 330      | 6/7/2011 01:45 | 14.59  | 45.40  | 29.42        | 8.07    | 7.79 | 4.9        | 3.02            | 95.1 |
| 331      | 6/7/2011 02:00 | 14.52  | 45.48  | 29.47        | 8.08    | 7.79 | 4.7        | 3.10            | 95.1 |
| 332      | 6/7/2011 02:15 | 14.39  | 45.51  | 29.49        | 8.10    | 7.79 | 4.0        | 3.16            | 95.1 |
| 333      | 6/7/2011 02:30 | 14.01  | 45.51  | 29.49        | 8.19    | 7.80 | 5.2        | 3.22            | 95.4 |
| 334      | 6/7/2011 02:45 | 13.79  | 45.71  | 29.62        | 8.24    | 7.81 | 4.9        | 3.28            | 95.7 |
| 335      | 6/7/2011 03:00 | 13.69  | 45.72  | 29.63        | 8.27    | 7.81 | 4.2        | 3.34            | 95.8 |
| 336      | 6/7/2011 03:15 | 13.56  | 45.75  | 29.64        | 8.34    | 7.82 | 3.8        | 3.39            | 96.3 |
| 337      | 6/7/2011 03:30 | 13.39  | 45.60  | 29.53        | 8.43    | 7.82 | 3.2        | 3.43            | 96.9 |
| 338      | 6/7/2011 03:45 | 13.32  | 45.79  | 29.67        | 8.42    | 7.83 | 3.3        | 3.46            | 96.8 |
| 339      | 6/7/2011 04:00 | 13.27  | 45.80  | 29.67        | 8.36    | 7.82 | 6.8        | 3.46            | 96.0 |
| 340      | 6/7/2011 04:15 | 13.27  | 45.80  | 29.67        | 8.24    | 7.82 | 2.0        | 3.46            | 94.6 |
| 341      | 6/7/2011 04:30 | 13.33  | 45.75  | 29.64        | 8.22    | 7.82 | 4.0        | 3.44            | 94.5 |
| 342      | 6/7/2011 04:45 | 13.78  | 45.72  | 29.63        | 8.05    | 7.80 | 7.8        | 3.40            | 93.4 |
| 343      | 6/7/2011 05:00 | 13.73  | 45.70  | 29.61        | 8.10    | 7.80 | 5.4        | 3.34            | 93.9 |
| 344      | 6/7/2011 05:15 | 13.97  | 45.63  | 29.57        | 8.04    | 7.80 | 10.3       | 3.26            | 93.6 |
| 345      | 6/7/2011 05:30 | 13.93  | 45.57  | 29.52        | 8.07    | 7.80 | 13.7       | 3.18            | 93.8 |
| 346      | 6/7/2011 05:45 | 13.93  | 45.55  | 29.51        | 8.07    | 7.79 | 12.9       | 3.11            | 93.8 |
| 347      | 6/7/2011 06:00 | 14.39  | 45.54  | 29.52        | 7.88    | 7.77 | 13.7       | 3.00            | 92.5 |
| 348      | 6/7/2011 06:15 | 14.67  | 45.47  | 29.47        | 7.73    | 7.76 | 16.1       | 2.90            | 91.2 |
| 349      | 6/7/2011 06:30 | 14.90  | 45.42  | 29.43        | 7.57    | 7.74 | 15.8       | 2.83            | 89.8 |
| 350      | 6/7/2011 06:45 | 15.09  | 45.35  | 29.39        | 7.42    | 7.72 | 18.2       | 2.71            | 88.3 |
| 351      | 6/7/2011 07:00 | 15.27  | 45.27  | 29.34        | 7.36    | 7.71 | 17.5       | 2.62            | 87.9 |
| 352      | 6/7/2011 07:15 | 14.70  | 45.42  | 29.43        | 7.55    | 7.72 | 16.5       | 2.51            | 89.1 |
| 353      | 6/7/2011 07:30 | 15.36  | 45.18  | 29.28        | 7.53    | 7.73 | 17.2       | 2.39            | 90.0 |
| 354      | 6/7/2011 07:45 | 15.29  | 45.22  | 29.30        | 7.65    | 7.74 | 15.4       | 2.29            | 91.4 |
| 355      | 6/7/2011 08:00 | 15.16  | 45.24  | 29.31        | 7.71    | 7.74 | 16.5       | 2.16            | 91.9 |
| 356      | 6/7/2011 08:15 | 15.24  | 45.23  | 29.30        | 7.77    | 7.74 | 16.2       | 2.04            | 92.7 |
| 357      | 6/7/2011 08:30 | 15.32  | 45.28  | 29.34        | 7.75    | 7.74 | 17.5       | 1.94            | 92.6 |
| 358      | 6/7/2011 08:45 | 15.38  | 45.27  | 29.34        | 7.79    | 7.74 | 15.2       | 1.82            | 93.1 |
| 359      | 6/7/2011 09:00 | 15.45  | 45.24  | 29.32        | 7.77    | 7.74 | 13.1       | 1.72            | 93.1 |
| 360      | 6/7/2011 09:15 | 15.61  | 45.26  | 29.33        | 7.75    | 7.74 | 13.9       | 1.60            | 93.1 |
| 361      | 6/7/2011 09:30 | 15.71  | 45.22  | 29.31        | 7.68    | 7.73 | 11.4       | 1.52            | 92.4 |
| 362      | 6/7/2011 09:45 | 15.82  | 45.20  | 29.29        | 7.70    | 7.73 | 11.1       | 1.45            | 92.9 |
| 363      | 6/7/2011 10:00 | 15.85  | 45.19  | 29.29        | 7.66    | 7.73 | 11.0       | 1.40            | 92.5 |
| 364      | 6/7/2011 10:15 | 16.06  | 45.00  | 29.16        | 7.65    | 7.73 | 10.9       | 1.35            | 92.6 |
| 365      | 6/7/2011 10:30 | 16.13  | 45.09  | 29.22        | 7.56    | 7.73 | 8.6        | 1.35            | 91.7 |
| 366      | 6/7/2011 10:45 | 16.31  | 45.07  | 29.21        | 7.65    | 7.73 | 11.5       | 1.38            | 93.1 |
| 367      | 6/7/2011 11:00 | 16.49  | 45.07  | 29.21        | 7.58    | 7.72 | 10.6       | 1.40            | 92.7 |
| 368      | 6/7/2011 11:15 | 16.48  | 45.07  | 29.21        | 7.59    | 7.72 | 10.7       | 1.44            | 92.7 |
| 369      | 6/7/2011 11:30 | 16.49  | 45.06  | 29.20        | 7.49    | 7.71 | 11.3       | 1.52            | 91.5 |
| 370      | 6/7/2011 11:45 | 16.42  | 45.06  | 29.21        | 7.44    | 7.71 | 10.6       | 1.57            | 90.8 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                |        | mS/cm  |              | mg/L    |      | NTU        |                 |      |
| 371      | 6/7/2011 12:00 | 16.32  | 44.81  | 29.02        | 7.45    | 7.71 | 11.8       | 1.64            | 90.7 |
| 372      | 6/7/2011 12:15 | 16.73  | 44.48  | 28.79        | 7.50    | 7.72 | 11.3       | 1.72            | 91.9 |
| 373      | 6/7/2011 12:30 | 16.66  | 44.55  | 28.84        | 7.47    | 7.72 | 11.8       | 1.79            | 91.3 |
| 374      | 6/7/2011 12:45 | 16.67  | 44.36  | 28.70        | 7.46    | 7.71 | 11.5       | 1.87            | 91.2 |
| 375      | 6/7/2011 13:00 | 16.53  | 44.11  | 28.52        | 7.49    | 7.71 | 9.2        | 1.94            | 91.2 |
| 376      | 6/7/2011 13:15 | 16.25  | 44.37  | 28.70        | 7.38    | 7.71 | 10.1       | 2.03            | 89.5 |
| 377      | 6/7/2011 13:30 | 16.07  | 44.83  | 29.03        | 7.37    | 7.71 | 10.4       | 2.14            | 89.2 |
| 378      | 6/7/2011 13:45 | 15.79  | 44.75  | 28.97        | 7.40    | 7.71 | 11.4       | 2.23            | 89.0 |
| 379      | 6/7/2011 14:00 | 15.68  | 45.06  | 29.19        | 7.44    | 7.72 | 11.6       | 2.31            | 89.5 |
| 380      | 6/7/2011 14:15 | 15.65  | 45.13  | 29.24        | 7.49    | 7.72 | 11.4       | 2.42            | 90.1 |
| 381      | 6/7/2011 14:30 | 15.67  | 44.82  | 29.02        | 7.55    | 7.73 | 10.0       | 2.50            | 90.7 |
| 382      | 6/7/2011 14:45 | 15.64  | 44.90  | 29.08        | 7.57    | 7.73 | 10.2       | 2.60            | 90.9 |
| 383      | 6/7/2011 15:00 | 15.51  | 45.16  | 29.26        | 7.58    | 7.73 | 12.6       | 2.68            | 90.9 |
| 384      | 6/7/2011 15:15 | 15.36  | 44.85  | 29.04        | 7.63    | 7.74 | 14.0       | 2.77            | 91.0 |
| 385      | 6/7/2011 15:30 | 15.28  | 45.01  | 29.15        | 7.65    | 7.74 | 14.2       | 2.86            | 91.2 |
| 386      | 6/7/2011 15:45 | 15.08  | 45.08  | 29.20        | 7.76    | 7.75 | 17.2       | 2.94            | 92.2 |
| 387      | 6/7/2011 16:00 | 14.85  | 45.22  | 29.29        | 7.93    | 7.77 | 19.8       | 3.02            | 93.8 |
| 388      | 6/7/2011 16:15 | 14.44  | 45.14  | 29.22        | 8.08    | 7.78 | 15.1       | 3.10            | 94.8 |
| 389      | 6/7/2011 16:30 | 14.12  | 45.35  | 29.37        | 8.21    | 7.79 | 15.3       | 3.17            | 95.7 |
| 390      | 6/7/2011 16:45 | 14.01  | 45.39  | 29.40        | 8.29    | 7.80 | 13.1       | 3.23            | 96.5 |
| 391      | 6/7/2011 17:00 | 13.96  | 45.27  | 29.31        | 8.35    | 7.81 | 11.7       | 3.30            | 97.1 |
| 392      | 6/7/2011 17:15 | 13.92  | 45.56  | 29.51        | 8.38    | 7.81 | 7.6        | 3.35            | 97.4 |
| 393      | 6/7/2011 17:30 | 13.87  | 45.42  | 29.41        | 8.40    | 7.81 | 6.2        | 3.38            | 97.5 |
| 394      | 6/7/2011 17:45 | 13.85  | 45.02  | 29.13        | 8.21    | 7.81 | 8.9        | 3.41            | 95.1 |
| 395      | 6/7/2011 18:00 | 13.91  | 45.35  | 29.36        | 8.01    | 7.79 | 4.7        | 3.41            | 93.1 |
| 396      | 6/7/2011 18:15 | 13.84  | 45.74  | 29.64        | 8.19    | 7.80 | 5.7        | 3.39            | 95.1 |
| 397      | 6/7/2011 18:30 | 13.98  | 45.68  | 29.60        | 8.22    | 7.81 | 8.7        | 3.35            | 95.8 |
| 398      | 6/7/2011 18:45 | 14.18  | 45.17  | 29.24        | 8.30    | 7.81 | 20.6       | 3.30            | 96.8 |
| 399      | 6/7/2011 19:00 | 14.10  | 45.40  | 29.40        | 8.34    | 7.81 | 23.3       | 3.23            | 97.3 |
| 400      | 6/7/2011 19:15 | 14.09  | 45.66  | 29.59        | 8.31    | 7.80 | 24.8       | 3.16            | 97.0 |
| 401      | 6/7/2011 19:30 | 14.06  | 44.92  | 29.06        | 8.34    | 7.81 | 22.6       | 3.08            | 97.0 |
| 402      | 6/7/2011 19:45 | 14.22  | 45.40  | 29.41        | 8.25    | 7.80 | 23.7       | 2.99            | 96.4 |
| 403      | 6/7/2011 20:00 | 14.34  | 45.54  | 29.51        | 8.16    | 7.79 | 24.5       | 2.92            | 95.7 |
| 404      | 6/7/2011 20:15 | 14.38  | 45.22  | 29.28        | 8.18    | 7.79 | 23.0       | 2.84            | 95.9 |
| 405      | 6/7/2011 20:30 | 14.56  | 45.39  | 29.41        | 8.10    | 7.78 | 24.2       | 2.77            | 95.3 |
| 406      | 6/7/2011 20:45 | 14.49  | 45.27  | 29.32        | 8.07    | 7.78 | 22.6       | 2.69            | 94.8 |
| 407      | 6/7/2011 21:00 | 14.84  | 45.25  | 29.31        | 7.97    | 7.77 | 24.8       | 2.62            | 94.3 |
| 408      | 6/7/2011 21:15 | 14.85  | 45.32  | 29.36        | 7.93    | 7.77 | 22.9       | 2.55            | 93.8 |
| 409      | 6/7/2011 21:30 | 15.63  | 45.10  | 29.22        | 7.74    | 7.74 | 21.6       | 2.48            | 93.0 |
| 410      | 6/7/2011 21:45 | 15.51  | 44.78  | 28.99        | 7.82    | 7.75 | 19.0       | 2.43            | 93.6 |
| 411      | 6/7/2011 22:00 | 15.83  | 44.77  | 28.99        | 7.73    | 7.74 | 19.2       | 2.35            | 93.1 |
| 412      | 6/7/2011 22:15 | 16.12  | 44.99  | 29.15        | 7.67    | 7.73 | 19.8       | 2.32            | 93.0 |
| 413      | 6/7/2011 22:30 | 16.20  | 44.87  | 29.06        | 7.70    | 7.73 | 18.6       | 2.26            | 93.4 |
| 414      | 6/7/2011 22:45 | 16.16  | 44.82  | 29.03        | 7.63    | 7.73 | 16.7       | 2.21            | 92.5 |
| 415      | 6/7/2011 23:00 | 16.21  | 44.97  | 29.13        | 7.57    | 7.72 | 16.8       | 2.19            | 92.0 |
| 416      | 6/7/2011 23:15 | 16.29  | 45.08  | 29.22        | 7.56    | 7.72 | 16.1       | 2.19            | 92.1 |
| 417      | 6/7/2011 23:30 | 16.37  | 44.86  | 29.06        | 7.61    | 7.72 | 17.2       | 2.19            | 92.7 |
| 418      | 6/7/2011 23:45 | 16.24  | 44.80  | 29.01        | 7.57    | 7.72 | 15.7       | 2.18            | 91.9 |
| 419      | 6/8/2011 00:00 | 16.33  | 44.23  | 28.61        | 7.63    | 7.72 | 14.2       | 2.21            | 92.6 |
| 420      | 6/8/2011 00:15 | 16.34  | 45.01  | 29.17        | 7.58    | 7.72 | 16.1       | 2.26            | 92.4 |
| 421      | 6/8/2011 00:30 | 16.42  | 44.86  | 29.06        | 7.58    | 7.72 | 14.5       | 2.30            | 92.4 |
| 422      | 6/8/2011 00:45 | 16.36  | 44.85  | 29.05        | 7.53    | 7.72 | 16.2       | 2.36            | 91.7 |
| 423      | 6/8/2011 01:00 | 16.48  | 44.90  | 29.08        | 7.52    | 7.73 | 15.1       | 2.42            | 91.7 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                |        | mS/cm  |              | mg/L    |      | NTU        |                 |      |
| 424      | 6/8/2011 01:15 | 16.39  | 44.51  | 28.80        | 7.47    | 7.72 | 16.5       | 2.49            | 90.9 |
| 425      | 6/8/2011 01:30 | 16.32  | 44.71  | 28.95        | 7.46    | 7.72 | 14.3       | 2.55            | 90.7 |
| 426      | 6/8/2011 01:45 | 16.08  | 44.83  | 29.04        | 7.50    | 7.72 | 14.5       | 2.60            | 90.9 |
| 427      | 6/8/2011 02:00 | 15.89  | 44.39  | 28.71        | 7.54    | 7.72 | 13.2       | 2.67            | 90.7 |
| 428      | 6/8/2011 02:15 | 15.42  | 45.08  | 29.20        | 7.61    | 7.74 | 10.0       | 2.74            | 91.1 |
| 429      | 6/8/2011 02:30 | 15.12  | 45.41  | 29.43        | 7.72    | 7.75 | 13.2       | 2.79            | 92.0 |
| 430      | 6/8/2011 02:45 | 15.00  | 45.04  | 29.17        | 7.78    | 7.75 | 8.6        | 2.85            | 92.3 |
| 431      | 6/8/2011 03:00 | 14.84  | 45.34  | 29.38        | 7.79    | 7.76 | 8.1        | 2.92            | 92.2 |
| 432      | 6/8/2011 03:15 | 14.71  | 45.32  | 29.36        | 7.83    | 7.76 | 7.0        | 2.97            | 92.4 |
| 433      | 6/8/2011 03:30 | 14.59  | 45.10  | 29.20        | 7.82    | 7.76 | 7.6        | 3.04            | 91.9 |
| 434      | 6/8/2011 03:45 | 14.24  | 45.60  | 29.56        | 7.81    | 7.76 | 7.9        | 3.08            | 91.4 |
| 435      | 6/8/2011 04:00 | 14.15  | 45.67  | 29.60        | 7.86    | 7.76 | 6.9        | 3.12            | 91.9 |
| 436      | 6/8/2011 04:15 | 14.00  | 45.59  | 29.54        | 7.90    | 7.77 | 6.8        | 3.18            | 92.0 |
| 437      | 6/8/2011 04:30 | 13.85  | 45.03  | 29.13        | 7.93    | 7.77 | 6.7        | 3.22            | 91.8 |
| 438      | 6/8/2011 04:45 | 13.82  | 45.74  | 29.64        | 7.85    | 7.76 | 5.1        | 3.24            | 91.1 |
| 439      | 6/8/2011 05:00 | 13.73  | 45.78  | 29.67        | 7.82    | 7.76 | 4.3        | 3.27            | 90.7 |
| 440      | 6/8/2011 05:15 | 13.94  | 45.45  | 29.43        | 7.61    | 7.75 | 6.5        | 3.27            | 88.5 |
| 441      | 6/8/2011 05:30 | 13.84  | 45.35  | 29.36        | 7.64    | 7.75 | 5.9        | 3.25            | 88.6 |
| 442      | 6/8/2011 05:45 | 13.71  | 45.56  | 29.51        | 7.71    | 7.76 | 4.9        | 3.23            | 89.2 |
| 443      | 6/8/2011 06:00 | 13.93  | 45.47  | 29.45        | 7.63    | 7.75 | 7.5        | 3.17            | 88.6 |
| 444      | 6/8/2011 06:15 | 14.90  | 45.14  | 29.24        | 7.31    | 7.71 | 15.4       | 3.11            | 86.5 |
| 445      | 6/8/2011 06:30 | 14.58  | 45.27  | 29.32        | 7.61    | 7.75 | 9.3        | 3.05            | 89.6 |
| 446      | 6/8/2011 06:45 | 14.56  | 45.36  | 29.38        | 7.59    | 7.75 | 9.6        | 2.97            | 89.3 |
| 447      | 6/8/2011 07:00 | 14.90  | 44.71  | 28.93        | 7.40    | 7.73 | 13.3       | 2.88            | 87.5 |
| 448      | 6/8/2011 07:15 | 15.04  | 44.75  | 28.96        | 7.28    | 7.71 | 36.0       | 2.80            | 86.3 |
| 449      | 6/8/2011 07:30 | 15.17  | 44.59  | 28.85        | 7.21    | 7.70 | 12.9       | 2.72            | 85.7 |
| 450      | 6/8/2011 07:45 | 15.28  | 44.77  | 28.98        | 7.10    | 7.68 | 12.9       | 2.62            | 84.6 |
| 451      | 6/8/2011 08:00 | 15.27  | 44.91  | 29.08        | 7.08    | 7.68 | 13.1       | 2.52            | 84.4 |
| 452      | 6/8/2011 08:15 | 15.55  | 44.70  | 28.93        | 7.22    | 7.69 | 15.0       | 2.42            | 86.5 |
| 453      | 6/8/2011 08:30 | 15.53  | 44.76  | 28.98        | 7.30    | 7.70 | 16.5       | 2.33            | 87.4 |
| 454      | 6/8/2011 08:45 | 15.46  | 44.89  | 29.07        | 7.59    | 7.72 | 11.7       | 2.23            | 90.8 |
| 455      | 6/8/2011 09:00 | 15.65  | 44.81  | 29.01        | 7.63    | 7.73 | 14.1       | 2.12            | 91.5 |
| 456      | 6/8/2011 09:15 | 15.83  | 44.74  | 28.96        | 7.53    | 7.72 | 14.7       | 2.03            | 90.7 |
| 457      | 6/8/2011 09:30 | 15.96  | 44.69  | 28.93        | 7.57    | 7.72 | 13.6       | 1.92            | 91.4 |
| 458      | 6/8/2011 09:45 | 16.01  | 44.80  | 29.01        | 7.69    | 7.73 | 12.1       | 1.82            | 93.0 |
| 459      | 6/8/2011 10:00 | 16.09  | 44.50  | 28.79        | 7.76    | 7.73 | 11.5       | 1.74            | 93.8 |
| 460      | 6/8/2011 10:15 | 16.14  | 44.45  | 28.76        | 7.80    | 7.74 | 10.3       | 1.66            | 94.4 |
| 461      | 6/8/2011 10:30 | 16.18  | 44.45  | 28.76        | 7.69    | 7.74 | 8.2        | 1.59            | 93.1 |
| 462      | 6/8/2011 10:45 | 16.21  | 44.98  | 29.14        | 7.67    | 7.73 | 7.7        | 1.54            | 93.1 |
| 463      | 6/8/2011 11:00 | 16.40  | 44.81  | 29.02        | 7.70    | 7.74 | 10.2       | 1.50            | 93.8 |
| 464      | 6/8/2011 11:15 | 16.43  | 44.64  | 28.90        | 7.62    | 7.73 | 9.3        | 1.49            | 92.8 |
| 465      | 6/8/2011 11:30 | 16.43  | 44.81  | 29.02        | 7.94    | 7.75 | 11.0       | 1.50            | 96.8 |
| 466      | 6/8/2011 11:45 | 16.32  | 44.47  | 28.78        | 7.69    | 7.73 | 8.4        | 1.51            | 93.4 |
| 467      | 6/8/2011 12:00 | 16.66  | 44.66  | 28.91        | 7.73    | 7.74 | 7.8        | 1.54            | 94.5 |
| 468      | 6/8/2011 12:15 | 16.58  | 44.21  | 28.59        | 7.66    | 7.73 | 8.7        | 1.59            | 93.4 |
| 469      | 6/8/2011 12:30 | 16.53  | 44.62  | 28.89        | 7.56    | 7.72 | 9.2        | 1.65            | 92.3 |
| 470      | 6/8/2011 12:45 | 16.42  | 44.79  | 29.01        | 7.55    | 7.72 | 10.3       | 1.71            | 92.0 |
| 471      | 6/8/2011 13:00 | 16.60  | 44.78  | 29.00        | 7.45    | 7.71 | 10.7       | 1.78            | 91.1 |
| 472      | 6/8/2011 13:15 | 16.77  | 44.36  | 28.70        | 7.47    | 7.72 | 11.1       | 1.87            | 91.5 |
| 473      | 6/8/2011 13:30 | 16.74  | 44.09  | 28.51        | 7.41    | 7.71 | 10.5       | 1.94            | 90.6 |
| 474      | 6/8/2011 13:45 | 16.35  | 44.63  | 28.89        | 7.26    | 7.70 | 11.5       | 2.01            | 88.2 |
| 475      | 6/8/2011 14:00 | 16.19  | 44.81  | 29.02        | 7.20    | 7.69 | 11.6       | 2.11            | 87.4 |
| 476      | 6/8/2011 14:15 | 15.88  | 44.90  | 29.08        | 7.18    | 7.69 | 12.9       | 2.20            | 86.6 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                |        | mS/cm  |              | mg/L    |      | NTU        |                 |      |
| 477      | 6/8/2011 14:30 | 15.72  | 44.56  | 28.83        | 7.27    | 7.70 | 11.1       | 2.28            | 87.3 |
| 478      | 6/8/2011 14:45 | 15.57  | 44.87  | 29.06        | 7.29    | 7.71 | 11.8       | 2.38            | 87.4 |
| 479      | 6/8/2011 15:00 | 15.56  | 45.17  | 29.27        | 7.31    | 7.71 | 10.7       | 2.46            | 87.8 |
| 480      | 6/8/2011 15:15 | 15.64  | 45.06  | 29.19        | 7.38    | 7.72 | 11.7       | 2.56            | 88.7 |
| 481      | 6/8/2011 15:30 | 15.54  | 44.70  | 28.93        | 7.40    | 7.72 | 12.8       | 2.65            | 88.6 |
| 482      | 6/8/2011 15:45 | 15.38  | 44.82  | 29.01        | 7.39    | 7.72 | 13.4       | 2.73            | 88.3 |
| 483      | 6/8/2011 16:00 | 15.37  | 45.07  | 29.19        | 7.44    | 7.72 | 12.6       | 2.82            | 88.9 |
| 484      | 6/8/2011 16:15 | 15.21  | 45.20  | 29.28        | 7.47    | 7.73 | 14.2       | 2.90            | 89.0 |
| 485      | 6/8/2011 16:30 | 14.96  | 44.96  | 29.11        | 7.61    | 7.74 | 21.0       | 2.99            | 90.2 |
| 486      | 6/8/2011 16:45 | 14.89  | 45.19  | 29.27        | 7.73    | 7.75 | 19.5       | 3.06            | 91.5 |
| 487      | 6/8/2011 17:00 | 14.61  | 45.55  | 29.52        | 7.79    | 7.75 | 16.5       | 3.14            | 91.9 |
| 488      | 6/8/2011 17:15 | 14.11  | 45.46  | 29.45        | 7.89    | 7.75 | 15.3       | 3.22            | 92.0 |
| 489      | 6/8/2011 17:30 | 13.68  | 45.47  | 29.44        | 7.96    | 7.75 | 15.0       | 3.28            | 92.1 |
| 490      | 6/8/2011 17:45 | 13.50  | 45.54  | 29.49        | 7.97    | 7.75 | 9.9        | 3.34            | 91.8 |
| 491      | 6/8/2011 18:00 | 13.45  | 45.69  | 29.60        | 7.96    | 7.75 | 8.7        | 3.39            | 91.7 |
| 492      | 6/8/2011 18:15 | 13.45  | 46.03  | 29.84        | 7.92    | 7.75 | 8.8        | 3.44            | 91.4 |
| 493      | 6/8/2011 18:30 | 13.46  | 46.05  | 29.85        | 7.81    | 7.75 | 6.0        | 3.45            | 90.2 |
| 494      | 6/8/2011 18:45 | 13.45  | 45.45  | 29.42        | 7.82    | 7.75 | 5.4        | 3.45            | 89.9 |
| 495      | 6/8/2011 19:00 | 13.48  | 45.80  | 29.67        | 7.81    | 7.75 | 7.4        | 3.44            | 90.0 |
| 496      | 6/8/2011 19:15 | 13.57  | 45.61  | 29.54        | 7.81    | 7.75 | 10.4       | 3.40            | 90.2 |
| 497      | 6/8/2011 19:30 | 13.96  | 45.56  | 29.52        | 8.03    | 7.76 | 23.1       | 3.34            | 93.5 |
| 498      | 6/8/2011 19:45 | 13.74  | 45.79  | 29.68        | 8.08    | 7.76 | 19.2       | 3.28            | 93.7 |
| 499      | 6/8/2011 20:00 | 13.90  | 45.48  | 29.46        | 8.02    | 7.76 | 25.2       | 3.21            | 93.2 |
| 500      | 6/8/2011 20:15 | 14.00  | 45.49  | 29.47        | 8.01    | 7.76 | 24.4       | 3.12            | 93.2 |
| 501      | 6/8/2011 20:30 | 14.24  | 45.80  | 29.70        | 7.93    | 7.75 | 22.8       | 3.04            | 92.9 |
| 502      | 6/8/2011 20:45 | 14.59  | 45.51  | 29.50        | 7.87    | 7.75 | 23.2       | 2.96            | 92.7 |
| 503      | 6/8/2011 21:00 | 14.12  | 45.53  | 29.50        | 7.93    | 7.75 | 18.0       | 2.87            | 92.6 |
| 504      | 6/8/2011 21:15 | 14.15  | 45.62  | 29.56        | 7.89    | 7.74 | 18.7       | 2.78            | 92.2 |
| 505      | 6/8/2011 21:30 | 14.19  | 45.72  | 29.64        | 7.85    | 7.74 | 16.1       | 2.70            | 91.8 |
| 506      | 6/8/2011 21:45 | 14.66  | 45.73  | 29.66        | 7.78    | 7.75 | 18.3       | 2.62            | 91.9 |
| 507      | 6/8/2011 22:00 | 14.86  | 45.59  | 29.56        | 7.70    | 7.75 | 17.5       | 2.52            | 91.3 |
| 508      | 6/8/2011 22:15 | 15.75  | 44.60  | 28.86        | 7.57    | 7.73 | 21.4       | 2.44            | 91.0 |
| 509      | 6/8/2011 22:30 | 15.99  | 45.26  | 29.34        | 7.56    | 7.73 | 20.2       | 2.36            | 91.5 |
| 510      | 6/8/2011 22:45 | 16.26  | 44.47  | 28.78        | 7.58    | 7.74 | 20.6       | 2.28            | 92.0 |
| 511      | 6/8/2011 23:00 | 16.21  | 45.19  | 29.30        | 7.55    | 7.74 | 20.0       | 2.21            | 91.8 |
| 512      | 6/8/2011 23:15 | 16.47  | 45.18  | 29.29        | 7.56    | 7.75 | 21.5       | 2.13            | 92.3 |
| 513      | 6/8/2011 23:30 | 16.53  | 45.18  | 29.29        | 7.50    | 7.75 | 28.9       | 2.07            | 91.8 |
| 514      | 6/8/2011 23:45 | 16.65  | 45.18  | 29.29        | 7.53    | 7.75 | 17.9       | 2.02            | 92.3 |
| 515      | 6/9/2011 00:00 | 16.80  | 44.77  | 29.00        | 7.47    | 7.75 | 15.3       | 1.98            | 91.8 |
| 516      | 6/9/2011 00:15 | 16.84  | 45.16  | 29.28        | 7.39    | 7.75 | 14.5       | 1.95            | 91.0 |
| 517      | 6/9/2011 00:30 | 16.93  | 45.10  | 29.24        | 7.44    | 7.75 | 15.4       | 1.95            | 91.7 |
| 518      | 6/9/2011 00:45 | 16.81  | 44.40  | 28.73        | 7.55    | 7.75 | 15.7       | 1.95            | 92.5 |
| 519      | 6/9/2011 01:00 | 16.79  | 44.38  | 28.72        | 7.54    | 7.75 | 14.8       | 1.96            | 92.4 |
| 520      | 6/9/2011 01:15 | 16.82  | 45.11  | 29.24        | 7.49    | 7.74 | 14.6       | 2.00            | 92.1 |
| 521      | 6/9/2011 01:30 | 16.84  | 45.11  | 29.25        | 7.50    | 7.74 | 14.1       | 2.05            | 92.3 |
| 522      | 6/9/2011 01:45 | 16.79  | 45.14  | 29.26        | 7.45    | 7.73 | 17.2       | 2.11            | 91.6 |
| 523      | 6/9/2011 02:00 | 17.00  | 44.95  | 29.13        | 7.38    | 7.74 | 16.4       | 2.17            | 91.0 |
| 524      | 6/9/2011 02:15 | 16.99  | 44.74  | 28.98        | 7.34    | 7.74 | 14.8       | 2.23            | 90.4 |
| 525      | 6/9/2011 02:30 | 16.89  | 44.93  | 29.11        | 7.32    | 7.73 | 15.0       | 2.32            | 90.0 |
| 526      | 6/9/2011 02:45 | 16.72  | 44.66  | 28.92        | 7.36    | 7.72 | 14.8       | 2.38            | 90.2 |
| 527      | 6/9/2011 03:00 | 16.41  | 44.55  | 28.83        | 7.37    | 7.71 | 15.7       | 2.43            | 89.6 |
| 528      | 6/9/2011 03:15 | 16.35  | 44.36  | 28.69        | 7.38    | 7.71 | 10.3       | 2.50            | 89.6 |
| 529      | 6/9/2011 03:30 | 15.79  | 44.79  | 29.00        | 7.40    | 7.71 | 10.9       | 2.56            | 89.1 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 530      | 6/9/2011 03:45 | 15.57  | 44.84  | 29.03        | 7.47    | 7.72 | 12.8              | 2.61            | 89.5 |
| 531      | 6/9/2011 04:00 | 15.52  | 45.42  | 29.45        | 7.44    | 7.72 | 9.3               | 2.67            | 89.3 |
| 532      | 6/9/2011 04:15 | 15.40  | 45.47  | 29.48        | 7.49    | 7.72 | 8.0               | 2.73            | 89.7 |
| 533      | 6/9/2011 04:30 | 15.32  | 45.50  | 29.51        | 7.48    | 7.72 | 7.0               | 2.78            | 89.5 |
| 534      | 6/9/2011 04:45 | 15.18  | 45.34  | 29.38        | 7.52    | 7.73 | 7.8               | 2.83            | 89.6 |
| 535      | 6/9/2011 05:00 | 15.04  | 45.60  | 29.57        | 7.50    | 7.72 | 7.5               | 2.88            | 89.2 |
| 536      | 6/9/2011 05:15 | 14.88  | 45.60  | 29.57        | 7.48    | 7.72 | 7.1               | 2.93            | 88.8 |
| 537      | 6/9/2011 05:30 | 14.65  | 45.37  | 29.40        | 7.53    | 7.72 | 6.9               | 2.98            | 88.8 |
| 538      | 6/9/2011 05:45 | 14.53  | 45.53  | 29.51        | 7.52    | 7.72 | 7.3               | 3.01            | 88.6 |
| 539      | 6/9/2011 06:00 | 14.44  | 45.41  | 29.42        | 7.50    | 7.72 | 5.2               | 3.04            | 88.1 |
| 540      | 6/9/2011 06:15 | 14.36  | 45.69  | 29.62        | 7.51    | 7.72 | 5.1               | 3.06            | 88.2 |
| 541      | 6/9/2011 06:30 | 14.58  | 45.32  | 29.36        | 7.32    | 7.71 | 7.8               | 3.06            | 86.2 |
| 542      | 6/9/2011 06:45 | 14.38  | 45.33  | 29.36        | 7.28    | 7.71 | 8.2               | 3.05            | 85.3 |
| 543      | 6/9/2011 07:00 | 14.34  | 45.70  | 29.62        | 7.35    | 7.72 | 6.1               | 3.02            | 86.3 |
| 544      | 6/9/2011 07:15 | 14.39  | 45.62  | 29.57        | 7.34    | 7.71 | 8.3               | 2.98            | 86.1 |
| 545      | 6/9/2011 07:30 | 14.63  | 45.58  | 29.55        | 7.31    | 7.72 | 8.6               | 2.92            | 86.2 |
| 546      | 6/9/2011 07:45 | 14.90  | 45.48  | 29.48        | 7.27    | 7.71 | 9.6               | 2.86            | 86.2 |
| 547      | 6/9/2011 08:00 | 15.06  | 45.43  | 29.45        | 7.28    | 7.71 | 12.1              | 2.79            | 86.6 |
| 548      | 6/9/2011 08:15 | 15.00  | 45.51  | 29.50        | 7.37    | 7.71 | 12.1              | 2.71            | 87.5 |
| 549      | 6/9/2011 08:30 | 15.05  | 45.32  | 29.37        | 7.36    | 7.71 | 12.9              | 2.63            | 87.4 |
| 550      | 6/9/2011 08:45 | 15.01  | 45.35  | 29.39        | 7.37    | 7.71 | 12.8              | 2.55            | 87.5 |
| 551      | 6/9/2011 09:00 | 15.29  | 45.41  | 29.43        | 7.26    | 7.70 | 12.3              | 2.48            | 86.7 |
| 552      | 6/9/2011 09:15 | 15.27  | 45.43  | 29.45        | 7.39    | 7.71 | 10.1              | 2.39            | 88.2 |
| 553      | 6/9/2011 09:30 | 15.47  | 45.36  | 29.41        | 7.61    | 7.72 | 13.4              | 2.29            | 91.3 |
| 554      | 6/9/2011 09:45 | 15.77  | 45.31  | 29.37        | 7.33    | 7.71 | 12.8              | 2.22            | 88.4 |
| 555      | 6/9/2011 10:00 | 15.96  | 45.24  | 29.33        | 7.40    | 7.72 | 10.8              | 2.12            | 89.6 |
| 556      | 6/9/2011 10:15 | 16.05  | 45.26  | 29.34        | 7.40    | 7.73 | 11.6              | 2.03            | 89.7 |
| 557      | 6/9/2011 10:30 | 16.22  | 45.22  | 29.32        | 7.41    | 7.73 | 13.1              | 1.94            | 90.1 |
| 558      | 6/9/2011 10:45 | 16.30  | 45.22  | 29.31        | 7.37    | 7.73 | 11.0              | 1.87            | 89.8 |
| 559      | 6/9/2011 11:00 | 16.47  | 45.18  | 29.29        | 7.35    | 7.74 | 12.3              | 1.80            | 89.8 |
| 560      | 6/9/2011 11:15 | 16.56  | 45.17  | 29.28        | 7.31    | 7.73 | 9.6               | 1.73            | 89.5 |
| 561      | 6/9/2011 11:30 | 16.62  | 45.15  | 29.27        | 7.36    | 7.74 | 9.5               | 1.69            | 90.2 |
| 562      | 6/9/2011 11:45 | 16.68  | 45.15  | 29.27        | 7.23    | 7.73 | 8.4               | 1.67            | 88.7 |
| 563      | 6/9/2011 12:00 | 16.80  | 44.99  | 29.16        | 7.33    | 7.74 | 9.6               | 1.64            | 90.1 |
| 564      | 6/9/2011 12:15 | 16.75  | 45.16  | 29.28        | 7.37    | 7.74 | 10.4              | 1.63            | 90.6 |
| 565      | 6/9/2011 12:30 | 16.60  | 45.15  | 29.27        | 7.27    | 7.73 | 9.3               | 1.65            | 89.1 |
| 566      | 6/9/2011 12:45 | 16.70  | 45.14  | 29.26        | 7.27    | 7.73 | 10.1              | 1.67            | 89.2 |
| 567      | 6/9/2011 13:00 | 16.59  | 45.16  | 29.28        | 7.24    | 7.72 | 10.5              | 1.71            | 88.7 |
| 568      | 6/9/2011 13:15 | 16.65  | 45.15  | 29.27        | 7.23    | 7.72 | 10.9              | 1.76            | 88.6 |
| 569      | 6/9/2011 13:30 | 16.60  | 45.15  | 29.27        | 7.18    | 7.72 | 11.2              | 1.82            | 88.0 |
| 570      | 6/9/2011 13:45 | 16.81  | 45.07  | 29.21        | 7.18    | 7.72 | 12.2              | 1.88            | 88.3 |
| 571      | 6/9/2011 14:00 | 16.71  | 45.06  | 29.20        | 7.12    | 7.71 | 16.0              | 1.96            | 87.4 |
| 572      | 6/9/2011 14:15 | 16.75  | 44.47  | 28.78        | 7.06    | 7.71 | 11.4              | 2.03            | 86.5 |
| 573      | 6/9/2011 14:30 | 16.58  | 44.93  | 29.11        | 7.00    | 7.70 | 11.7              | 2.11            | 85.6 |
| 574      | 6/9/2011 14:45 | 16.38  | 44.44  | 28.76        | 6.99    | 7.69 | 11.5              | 2.19            | 85.0 |
| 575      | 6/9/2011 15:00 | 16.09  | 44.85  | 29.05        | 6.99    | 7.69 | 11.9              | 2.27            | 84.6 |
| 576      | 6/9/2011 15:15 | 15.89  | 44.77  | 28.99        | 7.10    | 7.69 | 12.1              | 2.36            | 85.7 |
| 577      | 6/9/2011 15:30 | 15.75  | 44.95  | 29.11        | 7.18    | 7.70 | 12.9              | 2.44            | 86.4 |
| 578      | 6/9/2011 15:45 | 15.76  | 44.94  | 29.11        | 7.22    | 7.70 | 11.6              | 2.52            | 86.9 |
| 579      | 6/9/2011 16:00 | 15.65  | 44.94  | 29.11        | 7.27    | 7.70 | 12.9              | 2.61            | 87.3 |
| 580      | 6/9/2011 16:15 | 15.61  | 45.18  | 29.28        | 7.28    | 7.71 | 12.5              | 2.69            | 87.5 |
| 581      | 6/9/2011 16:30 | 15.45  | 45.17  | 29.27        | 7.29    | 7.71 | 16.1              | 2.78            | 87.3 |
| 582      | 6/9/2011 16:45 | 15.40  | 44.79  | 29.00        | 7.33    | 7.71 | 13.8              | 2.86            | 87.5 |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 583      | 6/9/2011 17:00  | 15.30  | 45.22  | 29.30        | 7.39    | 7.71 | 17.3              | 2.94            | 88.2 |
| 584      | 6/9/2011 17:15  | 14.68  | 45.07  | 29.18        | 7.50    | 7.71 | 17.5              | 3.04            | 88.4 |
| 585      | 6/9/2011 17:30  | 14.47  | 45.37  | 29.39        | 7.57    | 7.71 | 18.5              | 3.12            | 89.0 |
| 586      | 6/9/2011 17:45  | 14.13  | 45.14  | 29.22        | 7.59    | 7.71 | 17.9              | 3.19            | 88.5 |
| 587      | 6/9/2011 18:00  | 13.54  | 45.52  | 29.48        | 7.65    | 7.70 | 18.4              | 3.27            | 88.3 |
| 588      | 6/9/2011 18:15  | 13.04  | 45.68  | 29.57        | 7.79    | 7.71 | 14.8              | 3.35            | 89.0 |
| 589      | 6/9/2011 18:30  | 12.95  | 45.73  | 29.61        | 7.83    | 7.71 | 12.1              | 3.41            | 89.2 |
| 590      | 6/9/2011 18:45  | 13.23  | 45.89  | 29.74        | 7.80    | 7.71 | 18.9              | 3.45            | 89.5 |
| 591      | 6/9/2011 19:00  | 12.96  | 46.12  | 29.89        | 7.81    | 7.71 | 10.6              | 3.50            | 89.2 |
| 592      | 6/9/2011 19:15  | 12.84  | 46.00  | 29.80        | 7.87    | 7.72 | 6.2               | 3.53            | 89.6 |
| 593      | 6/9/2011 19:30  | 12.81  | 46.03  | 29.82        | 7.85    | 7.72 | 3.9               | 3.53            | 89.3 |
| 594      | 6/9/2011 19:45  | 12.85  | 46.26  | 29.99        | 7.76    | 7.71 | 4.3               | 3.52            | 88.5 |
| 595      | 6/9/2011 20:00  | 12.92  | 46.24  | 29.98        | 7.78    | 7.72 | 8.5               | 3.48            | 88.9 |
| 596      | 6/9/2011 20:15  | 13.48  | 45.58  | 29.52        | 7.74    | 7.72 | 14.3              | 3.42            | 89.1 |
| 597      | 6/9/2011 20:30  | 13.98  | 45.82  | 29.70        | 7.64    | 7.72 | 20.7              | 3.36            | 89.0 |
| 598      | 6/9/2011 20:45  | 13.67  | 46.00  | 29.82        | 7.71    | 7.71 | 18.8              | 3.27            | 89.4 |
| 599      | 6/9/2011 21:00  | 14.28  | 45.82  | 29.71        | 7.67    | 7.73 | 22.6              | 3.18            | 89.9 |
| 600      | 6/9/2011 21:15  | 14.84  | 45.67  | 29.62        | 7.70    | 7.74 | 20.9              | 3.09            | 91.2 |
| 601      | 6/9/2011 21:30  | 14.98  | 45.65  | 29.60        | 7.69    | 7.74 | 21.9              | 3.01            | 91.4 |
| 602      | 6/9/2011 21:45  | 15.13  | 45.18  | 29.27        | 7.60    | 7.74 | 17.6              | 2.91            | 90.4 |
| 603      | 6/9/2011 22:00  | 15.51  | 45.00  | 29.15        | 7.63    | 7.74 | 19.2              | 2.80            | 91.3 |
| 604      | 6/9/2011 22:15  | 15.54  | 44.98  | 29.13        | 7.62    | 7.74 | 20.9              | 2.73            | 91.4 |
| 605      | 6/9/2011 22:30  | 15.06  | 44.97  | 29.12        | 7.54    | 7.71 | 19.9              | 2.63            | 89.5 |
| 606      | 6/9/2011 22:45  | 15.47  | 45.31  | 29.37        | 7.53    | 7.72 | 17.5              | 2.53            | 90.3 |
| 607      | 6/9/2011 23:00  | 15.27  | 45.55  | 29.54        | 7.53    | 7.71 | 20.1              | 2.42            | 90.0 |
| 608      | 6/9/2011 23:15  | 15.78  | 45.00  | 29.15        | 7.55    | 7.72 | 16.1              | 2.34            | 90.9 |
| 609      | 6/9/2011 23:30  | 15.32  | 45.13  | 29.24        | 7.49    | 7.71 | 16.7              | 2.23            | 89.4 |
| 610      | 6/9/2011 23:45  | 15.61  | 45.50  | 29.51        | 7.53    | 7.72 | 20.9              | 2.12            | 90.6 |
| 611      | 6/10/2011 00:00 | 15.94  | 45.40  | 29.44        | 7.59    | 7.73 | 16.1              | 2.03            | 91.8 |
| 612      | 6/10/2011 00:15 | 16.25  | 45.28  | 29.36        | 7.59    | 7.75 | 14.2              | 1.95            | 92.4 |
| 613      | 6/10/2011 00:30 | 16.23  | 45.01  | 29.16        | 7.67    | 7.75 | 13.3              | 1.87            | 93.1 |
| 614      | 6/10/2011 00:45 | 16.35  | 44.96  | 29.13        | 7.68    | 7.75 | 11.5              | 1.80            | 93.6 |
| 615      | 6/10/2011 01:00 | 16.62  | 44.86  | 29.06        | 7.71    | 7.78 | 12.6              | 1.75            | 94.3 |
| 616      | 6/10/2011 01:15 | 16.80  | 45.14  | 29.26        | 7.72    | 7.79 | 9.7               | 1.72            | 94.9 |
| 617      | 6/10/2011 01:30 | 16.86  | 44.53  | 28.82        | 7.85    | 7.79 | 10.1              | 1.69            | 96.4 |
| 618      | 6/10/2011 01:45 | 16.71  | 45.28  | 29.36        | 7.72    | 7.78 | 9.6               | 1.70            | 94.8 |
| 619      | 6/10/2011 02:00 | 16.65  | 44.87  | 29.07        | 7.72    | 7.78 | 10.1              | 1.72            | 94.5 |
| 620      | 6/10/2011 02:15 | 16.62  | 45.13  | 29.25        | 7.67    | 7.77 | 9.3               | 1.75            | 94.0 |
| 621      | 6/10/2011 02:30 | 16.66  | 45.11  | 29.24        | 7.66    | 7.77 | 8.9               | 1.80            | 94.0 |
| 622      | 6/10/2011 02:45 | 16.72  | 44.80  | 29.01        | 7.63    | 7.76 | 9.2               | 1.86            | 93.5 |
| 623      | 6/10/2011 03:00 | 16.67  | 44.77  | 29.00        | 7.60    | 7.76 | 10.0              | 1.92            | 93.1 |
| 624      | 6/10/2011 03:15 | 16.77  | 45.12  | 29.25        | 7.45    | 7.75 | 11.5              | 1.99            | 91.5 |
| 625      | 6/10/2011 03:30 | 16.73  | 44.69  | 28.94        | 7.40    | 7.74 | 9.9               | 2.05            | 90.6 |
| 626      | 6/10/2011 03:45 | 16.68  | 44.80  | 29.02        | 7.31    | 7.74 | 10.1              | 2.12            | 89.6 |
| 627      | 6/10/2011 04:00 | 16.67  | 45.08  | 29.22        | 7.27    | 7.73 | 10.7              | 2.19            | 89.1 |
| 628      | 6/10/2011 04:15 | 16.50  | 44.80  | 29.02        | 7.30    | 7.72 | 10.4              | 2.25            | 89.1 |
| 629      | 6/10/2011 04:30 | 16.18  | 45.16  | 29.27        | 7.25    | 7.71 | 9.1               | 2.31            | 88.0 |
| 630      | 6/10/2011 04:45 | 16.05  | 44.86  | 29.05        | 7.23    | 7.70 | 7.0               | 2.38            | 87.6 |
| 631      | 6/10/2011 05:00 | 15.79  | 45.24  | 29.33        | 7.23    | 7.70 | 7.1               | 2.45            | 87.2 |
| 632      | 6/10/2011 05:15 | 15.65  | 45.46  | 29.48        | 7.24    | 7.70 | 8.3               | 2.51            | 87.1 |
| 633      | 6/10/2011 05:30 | 15.51  | 45.23  | 29.31        | 7.30    | 7.70 | 8.2               | 2.56            | 87.5 |
| 634      | 6/10/2011 05:45 | 15.39  | 45.23  | 29.31        | 7.31    | 7.70 | 6.9               | 2.63            | 87.5 |
| 635      | 6/10/2011 06:00 | 15.36  | 45.25  | 29.33        | 7.30    | 7.70 | 7.0               | 2.69            | 87.3 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                 |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 636      | 6/10/2011 06:15 | 15.31  | 45.55  | 29.54        | 7.29    | 7.70 | 6.8        | 2.74            | 87.2  |
| 637      | 6/10/2011 06:30 | 15.16  | 45.15  | 29.25        | 7.30    | 7.70 | 7.4        | 2.78            | 86.8  |
| 638      | 6/10/2011 06:45 | 15.01  | 45.27  | 29.33        | 7.26    | 7.70 | 6.6        | 2.83            | 86.2  |
| 639      | 6/10/2011 07:00 | 14.83  | 45.56  | 29.54        | 7.28    | 7.70 | 5.7        | 2.87            | 86.2  |
| 640      | 6/10/2011 07:15 | 14.79  | 45.60  | 29.57        | 7.25    | 7.69 | 5.6        | 2.90            | 85.8  |
| 641      | 6/10/2011 07:30 | 14.76  | 45.69  | 29.63        | 7.22    | 7.69 | 7.3        | 2.92            | 85.5  |
| 642      | 6/10/2011 07:45 | 14.58  | 45.22  | 29.29        | 7.27    | 7.69 | 52.2       | 2.95            | 85.5  |
| 643      | 6/10/2011 08:00 | 14.52  | 45.29  | 29.34        | 7.19    | 7.69 | 6.2        | 2.95            | 84.6  |
| 644      | 6/10/2011 08:15 | 14.57  | 45.26  | 29.31        | 7.11    | 7.68 | 6.5        | 2.94            | 83.7  |
| 645      | 6/10/2011 08:30 | 14.57  | 45.70  | 29.64        | 7.12    | 7.69 | 6.8        | 2.91            | 83.9  |
| 646      | 6/10/2011 08:45 | 14.61  | 45.30  | 29.34        | 7.11    | 7.68 | 9.0        | 2.88            | 83.8  |
| 647      | 6/10/2011 09:00 | 14.78  | 45.68  | 29.62        | 7.14    | 7.69 | 8.1        | 2.82            | 84.5  |
| 648      | 6/10/2011 09:15 | 14.97  | 44.81  | 29.00        | 7.34    | 7.70 | 11.0       | 2.75            | 86.9  |
| 649      | 6/10/2011 09:30 | 15.14  | 44.90  | 29.07        | 7.51    | 7.72 | 10.4       | 2.67            | 89.2  |
| 650      | 6/10/2011 09:45 | 15.24  | 45.02  | 29.16        | 7.61    | 7.72 | 11.3       | 2.60            | 90.7  |
| 651      | 6/10/2011 10:00 | 15.29  | 45.31  | 29.37        | 7.67    | 7.73 | 10.7       | 2.52            | 91.7  |
| 652      | 6/10/2011 10:15 | 15.40  | 45.53  | 29.53        | 7.65    | 7.71 | 12.5       | 2.42            | 91.6  |
| 653      | 6/10/2011 10:30 | 15.50  | 44.99  | 29.14        | 7.61    | 7.71 | 12.0       | 2.36            | 91.2  |
| 654      | 6/10/2011 10:45 | 15.58  | 45.54  | 29.53        | 7.65    | 7.73 | 11.7       | 2.28            | 91.9  |
| 655      | 6/10/2011 11:00 | 15.85  | 45.44  | 29.47        | 7.66    | 7.73 | 9.9        | 2.20            | 92.6  |
| 656      | 6/10/2011 11:15 | 15.85  | 45.51  | 29.52        | 8.29    | 7.78 | 10.9       | 2.11            | 100.2 |
| 657      | 6/10/2011 11:30 | 16.09  | 45.41  | 29.45        | 7.85    | 7.75 | 10.2       | 2.05            | 95.2  |
| 658      | 6/10/2011 11:45 | 16.11  | 45.40  | 29.45        | 7.83    | 7.75 | 9.0        | 1.99            | 95.1  |
| 659      | 6/10/2011 12:00 | 16.21  | 45.43  | 29.47        | 8.08    | 7.77 | 7.7        | 1.93            | 98.3  |
| 660      | 6/10/2011 12:15 | 16.25  | 45.39  | 29.44        | 7.87    | 7.76 | 5.6        | 1.87            | 95.9  |
| 661      | 6/10/2011 12:30 | 16.27  | 45.19  | 29.30        | 7.82    | 7.76 | 6.7        | 1.83            | 95.2  |
| 662      | 6/10/2011 12:45 | 16.30  | 44.85  | 29.05        | 7.66    | 7.75 | 5.1        | 1.81            | 93.2  |
| 663      | 6/10/2011 13:00 | 16.39  | 44.93  | 29.11        | 8.03    | 7.78 | 7.3        | 1.78            | 97.9  |
| 664      | 6/10/2011 13:15 | 16.40  | 44.98  | 29.15        | 8.23    | 7.78 | 7.9        | 1.78            | 100.3 |
| 665      | 6/10/2011 13:30 | 16.28  | 44.69  | 28.93        | 8.03    | 7.76 | 7.6        | 1.81            | 97.6  |
| 666      | 6/10/2011 13:45 | 16.36  | 44.44  | 28.75        | 7.86    | 7.75 | 6.7        | 1.83            | 95.5  |
| 667      | 6/10/2011 14:00 | 16.39  | 44.52  | 28.81        | 7.77    | 7.75 | 7.3        | 1.87            | 94.6  |
| 668      | 6/10/2011 14:15 | 16.41  | 44.73  | 28.96        | 7.74    | 7.75 | 6.8        | 1.92            | 94.3  |
| 669      | 6/10/2011 14:30 | 16.43  | 45.31  | 29.39        | 7.67    | 7.74 | 65.9       | 1.99            | 93.8  |
| 670      | 6/10/2011 14:45 | 16.39  | 45.26  | 29.35        | 7.61    | 7.73 | 9.0        | 2.05            | 92.9  |
| 671      | 6/10/2011 15:00 | 16.44  | 44.99  | 29.15        | 7.59    | 7.73 | 7.9        | 2.12            | 92.7  |
| 672      | 6/10/2011 15:15 | 16.39  | 44.99  | 29.15        | 7.48    | 7.72 | 8.6        | 2.19            | 91.2  |
| 673      | 6/10/2011 15:30 | 16.31  | 44.66  | 28.91        | 7.44    | 7.72 | 8.7        | 2.27            | 90.5  |
| 674      | 6/10/2011 15:45 | 16.23  | 45.11  | 29.24        | 7.42    | 7.71 | 8.5        | 2.35            | 90.2  |
| 675      | 6/10/2011 16:00 | 15.95  | 45.29  | 29.36        | 7.29    | 7.70 | 10.9       | 2.42            | 88.2  |
| 676      | 6/10/2011 16:15 | 15.71  | 44.73  | 28.95        | 7.33    | 7.69 | 10.6       | 2.51            | 88.1  |
| 677      | 6/10/2011 16:30 | 15.52  | 44.94  | 29.10        | 7.35    | 7.69 | 11.3       | 2.60            | 88.0  |
| 678      | 6/10/2011 16:45 | 15.42  | 45.38  | 29.42        | 7.36    | 7.70 | 10.3       | 2.67            | 88.1  |
| 679      | 6/10/2011 17:00 | 15.26  | 44.74  | 28.95        | 7.37    | 7.70 | 12.0       | 2.76            | 87.8  |
| 680      | 6/10/2011 17:15 | 15.14  | 45.07  | 29.19        | 7.40    | 7.70 | 9.6        | 2.84            | 88.1  |
| 681      | 6/10/2011 17:30 | 14.92  | 44.92  | 29.08        | 7.47    | 7.70 | 11.9       | 2.93            | 88.4  |
| 682      | 6/10/2011 17:45 | 14.72  | 45.42  | 29.43        | 7.53    | 7.70 | 16.2       | 3.01            | 89.0  |
| 683      | 6/10/2011 18:00 | 14.27  | 44.92  | 29.07        | 7.65    | 7.70 | 15.4       | 3.10            | 89.4  |
| 684      | 6/10/2011 18:15 | 14.07  | 45.19  | 29.25        | 7.71    | 7.70 | 15.7       | 3.18            | 89.8  |
| 685      | 6/10/2011 18:30 | 13.56  | 45.97  | 29.80        | 7.77    | 7.70 | 18.4       | 3.26            | 89.9  |
| 686      | 6/10/2011 18:45 | 12.99  | 45.80  | 29.66        | 7.80    | 7.69 | 18.5       | 3.35            | 89.1  |
| 687      | 6/10/2011 19:00 | 12.63  | 46.02  | 29.80        | 7.84    | 7.69 | 17.5       | 3.43            | 88.9  |
| 688      | 6/10/2011 19:15 | 12.42  | 45.58  | 29.48        | 7.93    | 7.69 | 12.0       | 3.50            | 89.4  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 689      | 6/10/2011 19:30 | 12.29  | 46.48  | 30.12        | 7.94    | 7.69 | 10.1              | 3.55            | 89.6 |
| 690      | 6/10/2011 19:45 | 12.26  | 45.68  | 29.55        | 7.97    | 7.69 | 7.5               | 3.60            | 89.6 |
| 691      | 6/10/2011 20:00 | 12.26  | 46.45  | 30.10        | 7.93    | 7.69 | 6.0               | 3.63            | 89.4 |
| 692      | 6/10/2011 20:15 | 12.57  | 45.77  | 29.62        | 7.84    | 7.69 | 8.8               | 3.64            | 88.7 |
| 693      | 6/10/2011 20:30 | 12.34  | 45.78  | 29.62        | 7.79    | 7.69 | 6.5               | 3.64            | 87.7 |
| 694      | 6/10/2011 20:45 | 12.28  | 46.34  | 30.03        | 7.81    | 7.69 | 6.2               | 3.61            | 88.0 |
| 695      | 6/10/2011 21:00 | 12.36  | 46.12  | 29.87        | 7.80    | 7.69 | 7.7               | 3.56            | 88.0 |
| 696      | 6/10/2011 21:15 | 13.04  | 45.65  | 29.55        | 7.74    | 7.70 | 12.9              | 3.48            | 88.4 |
| 697      | 6/10/2011 21:30 | 12.63  | 46.22  | 29.95        | 7.81    | 7.69 | 13.1              | 3.39            | 88.7 |
| 698      | 6/10/2011 21:45 | 14.34  | 45.91  | 29.78        | 7.80    | 7.74 | 18.1              | 3.30            | 91.6 |
| 699      | 6/10/2011 22:00 | 14.20  | 45.61  | 29.56        | 7.83    | 7.74 | 14.8              | 3.20            | 91.6 |
| 700      | 6/10/2011 22:15 | 14.29  | 45.60  | 29.56        | 7.81    | 7.73 | 14.2              | 3.09            | 91.5 |
| 701      | 6/10/2011 22:30 | 14.57  | 45.71  | 29.64        | 7.75    | 7.73 | 12.8              | 2.99            | 91.3 |
| 702      | 6/10/2011 22:45 | 14.54  | 45.76  | 29.68        | 7.66    | 7.72 | 12.9              | 2.88            | 90.2 |
| 703      | 6/10/2011 23:00 | 15.22  | 45.58  | 29.56        | 7.59    | 7.73 | 14.7              | 2.78            | 90.6 |
| 704      | 6/10/2011 23:15 | 15.50  | 45.27  | 29.34        | 7.68    | 7.75 | 15.5              | 2.66            | 92.1 |
| 705      | 6/10/2011 23:30 | 15.36  | 45.40  | 29.43        | 7.58    | 7.72 | 13.9              | 2.56            | 90.7 |
| 706      | 6/10/2011 23:45 | 15.24  | 45.07  | 29.19        | 7.57    | 7.72 | 11.3              | 2.45            | 90.2 |
| 707      | 6/11/2011 00:00 | 15.00  | 45.01  | 29.14        | 7.66    | 7.71 | 14.2              | 2.33            | 90.8 |
| 708      | 6/11/2011 00:15 | 14.99  | 45.57  | 29.55        | 7.62    | 7.71 | 14.2              | 2.21            | 90.5 |
| 709      | 6/11/2011 00:30 | 15.13  | 45.53  | 29.52        | 7.65    | 7.72 | 13.4              | 2.10            | 91.2 |
| 710      | 6/11/2011 00:45 | 15.12  | 45.26  | 29.33        | 7.66    | 7.71 | 14.2              | 1.97            | 91.2 |
| 711      | 6/11/2011 01:00 | 15.31  | 45.62  | 29.59        | 7.67    | 7.72 | 12.1              | 1.87            | 91.8 |
| 712      | 6/11/2011 01:15 | 15.45  | 45.58  | 29.56        | 7.62    | 7.72 | 11.4              | 1.76            | 91.4 |
| 713      | 6/11/2011 01:30 | 15.53  | 45.05  | 29.18        | 7.61    | 7.72 | 11.5              | 1.66            | 91.2 |
| 714      | 6/11/2011 01:45 | 15.65  | 45.41  | 29.44        | 7.58    | 7.72 | 10.3              | 1.59            | 91.3 |
| 715      | 6/11/2011 02:00 | 15.74  | 45.16  | 29.27        | 7.58    | 7.73 | 11.5              | 1.52            | 91.3 |
| 716      | 6/11/2011 02:15 | 15.92  | 45.46  | 29.48        | 7.64    | 7.74 | 10.8              | 1.48            | 92.5 |
| 717      | 6/11/2011 02:30 | 16.12  | 45.42  | 29.45        | 7.71    | 7.77 | 8.8               | 1.45            | 93.7 |
| 718      | 6/11/2011 02:45 | 16.27  | 44.98  | 29.14        | 7.90    | 7.80 | 10.0              | 1.45            | 96.1 |
| 719      | 6/11/2011 03:00 | 16.13  | 44.98  | 29.14        | 7.84    | 7.78 | 8.3               | 1.47            | 95.0 |
| 720      | 6/11/2011 03:15 | 16.27  | 44.64  | 28.90        | 7.99    | 7.81 | 8.3               | 1.51            | 97.0 |
| 721      | 6/11/2011 03:30 | 16.27  | 45.09  | 29.22        | 7.93    | 7.80 | 9.5               | 1.56            | 96.5 |
| 722      | 6/11/2011 03:45 | 16.27  | 45.40  | 29.44        | 7.92    | 7.80 | 9.6               | 1.63            | 96.4 |
| 723      | 6/11/2011 04:00 | 16.22  | 45.33  | 29.40        | 7.84    | 7.79 | 9.9               | 1.70            | 95.4 |
| 724      | 6/11/2011 04:15 | 16.22  | 44.58  | 28.86        | 7.69    | 7.77 | 26.2              | 1.76            | 93.2 |
| 725      | 6/11/2011 04:30 | 16.15  | 45.29  | 29.37        | 7.63    | 7.76 | 9.6               | 1.82            | 92.7 |
| 726      | 6/11/2011 04:45 | 16.14  | 45.21  | 29.31        | 7.55    | 7.75 | 10.1              | 1.90            | 91.6 |
| 727      | 6/11/2011 05:00 | 16.13  | 45.22  | 29.32        | 7.50    | 7.75 | 9.1               | 1.98            | 91.1 |
| 728      | 6/11/2011 05:15 | 16.09  | 45.22  | 29.31        | 7.48    | 7.74 | 9.8               | 2.04            | 90.7 |
| 729      | 6/11/2011 05:30 | 15.95  | 45.14  | 29.25        | 7.47    | 7.73 | 10.5              | 2.12            | 90.4 |
| 730      | 6/11/2011 05:45 | 15.78  | 44.87  | 29.06        | 7.42    | 7.72 | 8.4               | 2.19            | 89.3 |
| 731      | 6/11/2011 06:00 | 15.51  | 45.45  | 29.47        | 7.36    | 7.71 | 8.2               | 2.27            | 88.4 |
| 732      | 6/11/2011 06:15 | 15.31  | 45.28  | 29.35        | 7.37    | 7.70 | 7.3               | 2.35            | 88.1 |
| 733      | 6/11/2011 06:30 | 15.16  | 45.06  | 29.18        | 7.36    | 7.69 | 7.5               | 2.41            | 87.6 |
| 734      | 6/11/2011 06:45 | 15.10  | 45.34  | 29.38        | 7.35    | 7.69 | 8.1               | 2.49            | 87.4 |
| 735      | 6/11/2011 07:00 | 15.06  | 45.37  | 29.41        | 7.36    | 7.70 | 6.8               | 2.56            | 87.6 |
| 736      | 6/11/2011 07:15 | 14.98  | 45.17  | 29.26        | 7.39    | 7.70 | 8.2               | 2.62            | 87.7 |
| 737      | 6/11/2011 07:30 | 14.87  | 45.05  | 29.17        | 7.38    | 7.69 | 8.4               | 2.69            | 87.3 |
| 738      | 6/11/2011 07:45 | 14.76  | 45.34  | 29.38        | 7.37    | 7.69 | 7.6               | 2.74            | 87.1 |
| 739      | 6/11/2011 08:00 | 14.60  | 45.67  | 29.61        | 7.36    | 7.69 | 9.0               | 2.79            | 86.8 |
| 740      | 6/11/2011 08:15 | 14.28  | 45.00  | 29.12        | 7.47    | 7.69 | 7.0               | 2.84            | 87.2 |
| 741      | 6/11/2011 08:30 | 14.17  | 45.77  | 29.67        | 7.45    | 7.69 | 6.9               | 2.88            | 87.2 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 742      | 6/11/2011 08:45 | 14.09  | 45.79  | 29.69        | 7.47    | 7.69 | 8.1        | 2.92            | 87.3  |
| 743      | 6/11/2011 09:00 | 14.08  | 45.70  | 29.62        | 7.43    | 7.69 | 5.1        | 2.93            | 86.8  |
| 744      | 6/11/2011 09:15 | 14.32  | 45.68  | 29.61        | 7.31    | 7.68 | 5.9        | 2.95            | 85.7  |
| 745      | 6/11/2011 09:30 | 14.17  | 45.77  | 29.67        | 7.29    | 7.68 | 5.8        | 2.95            | 85.3  |
| 746      | 6/11/2011 09:45 | 14.17  | 45.80  | 29.70        | 7.25    | 7.68 | 4.6        | 2.93            | 84.8  |
| 747      | 6/11/2011 10:00 | 14.09  | 45.47  | 29.45        | 7.31    | 7.68 | 5.3        | 2.88            | 85.2  |
| 748      | 6/11/2011 10:15 | 14.23  | 45.46  | 29.45        | 7.30    | 7.68 | 6.1        | 2.84            | 85.3  |
| 749      | 6/11/2011 10:30 | 14.51  | 45.65  | 29.59        | 7.33    | 7.69 | 7.3        | 2.78            | 86.3  |
| 750      | 6/11/2011 10:45 | 14.65  | 45.29  | 29.34        | 7.45    | 7.70 | 9.0        | 2.71            | 87.9  |
| 751      | 6/11/2011 11:00 | 14.82  | 45.45  | 29.46        | 7.60    | 7.71 | 8.5        | 2.64            | 89.9  |
| 752      | 6/11/2011 11:15 | 14.93  | 45.11  | 29.21        | 7.68    | 7.72 | 7.4        | 2.56            | 91.0  |
| 753      | 6/11/2011 11:30 | 15.01  | 45.72  | 29.66        | 7.75    | 7.73 | 8.2        | 2.48            | 92.2  |
| 754      | 6/11/2011 11:45 | 15.16  | 45.19  | 29.28        | 7.75    | 7.72 | 8.7        | 2.41            | 92.3  |
| 755      | 6/11/2011 12:00 | 15.29  | 45.51  | 29.51        | 7.86    | 7.73 | 7.6        | 2.34            | 94.0  |
| 756      | 6/11/2011 12:15 | 15.48  | 45.45  | 29.47        | 8.04    | 7.75 | 8.2        | 2.26            | 96.5  |
| 757      | 6/11/2011 12:30 | 15.65  | 45.11  | 29.23        | 7.91    | 7.75 | 7.4        | 2.21            | 95.1  |
| 758      | 6/11/2011 12:45 | 15.93  | 45.38  | 29.43        | 8.15    | 7.76 | 5.9        | 2.15            | 98.6  |
| 759      | 6/11/2011 13:00 | 16.06  | 44.89  | 29.08        | 8.53    | 7.79 | 6.3        | 2.08            | 103.3 |
| 760      | 6/11/2011 13:15 | 16.10  | 45.04  | 29.18        | 8.32    | 7.79 | 5.7        | 2.04            | 100.8 |
| 761      | 6/11/2011 13:30 | 16.27  | 45.55  | 29.56        | 8.55    | 7.80 | 6.2        | 2.00            | 104.2 |
| 762      | 6/11/2011 13:45 | 16.28  | 45.13  | 29.25        | 8.17    | 7.78 | 5.6        | 1.97            | 99.5  |
| 763      | 6/11/2011 14:00 | 16.44  | 45.20  | 29.30        | 8.46    | 7.80 | 9.6        | 1.96            | 103.4 |
| 764      | 6/11/2011 14:15 | 16.31  | 45.37  | 29.42        | 8.41    | 7.79 | 7.0        | 1.96            | 102.5 |
| 765      | 6/11/2011 14:30 | 16.25  | 45.41  | 29.45        | 8.22    | 7.78 | 11.0       | 1.98            | 100.1 |
| 766      | 6/11/2011 14:45 | 16.25  | 45.35  | 29.41        | 8.10    | 7.77 | 6.4        | 2.00            | 98.6  |
| 767      | 6/11/2011 15:00 | 16.33  | 45.33  | 29.39        | 8.02    | 7.77 | 5.9        | 2.04            | 97.8  |
| 768      | 6/11/2011 15:15 | 16.22  | 45.17  | 29.28        | 7.91    | 7.76 | 6.7        | 2.10            | 96.2  |
| 769      | 6/11/2011 15:30 | 16.08  | 45.19  | 29.29        | 7.82    | 7.74 | 7.7        | 2.15            | 94.9  |
| 770      | 6/11/2011 15:45 | 16.20  | 45.23  | 29.32        | 7.84    | 7.74 | 7.4        | 2.21            | 95.4  |
| 771      | 6/11/2011 16:00 | 16.23  | 45.23  | 29.32        | 7.77    | 7.74 | 7.8        | 2.28            | 94.6  |
| 772      | 6/11/2011 16:15 | 15.96  | 45.27  | 29.35        | 7.68    | 7.72 | 7.6        | 2.35            | 92.9  |
| 773      | 6/11/2011 16:30 | 15.76  | 45.30  | 29.37        | 7.63    | 7.72 | 7.0        | 2.43            | 92.0  |
| 774      | 6/11/2011 16:45 | 15.46  | 45.38  | 29.42        | 7.56    | 7.71 | 8.5        | 2.50            | 90.6  |
| 775      | 6/11/2011 17:00 | 15.25  | 45.43  | 29.45        | 7.50    | 7.70 | 10.3       | 2.58            | 89.6  |
| 776      | 6/11/2011 17:15 | 14.87  | 45.52  | 29.51        | 7.47    | 7.69 | 10.4       | 2.66            | 88.5  |
| 777      | 6/11/2011 17:30 | 14.61  | 45.58  | 29.54        | 7.48    | 7.69 | 9.5        | 2.74            | 88.2  |
| 778      | 6/11/2011 17:45 | 14.50  | 45.66  | 29.60        | 7.54    | 7.69 | 9.9        | 2.82            | 88.7  |
| 779      | 6/11/2011 18:00 | 14.31  | 45.71  | 29.63        | 7.53    | 7.69 | 9.9        | 2.91            | 88.3  |
| 780      | 6/11/2011 18:15 | 13.95  | 45.81  | 29.70        | 7.57    | 7.68 | 12.5       | 3.00            | 88.1  |
| 781      | 6/11/2011 18:30 | 13.86  | 45.81  | 29.70        | 7.61    | 7.68 | 15.4       | 3.09            | 88.5  |
| 782      | 6/11/2011 18:45 | 13.52  | 45.95  | 29.78        | 7.69    | 7.68 | 20.9       | 3.19            | 88.8  |
| 783      | 6/11/2011 19:00 | 13.27  | 46.01  | 29.82        | 7.70    | 7.68 | 16.6       | 3.28            | 88.5  |
| 784      | 6/11/2011 19:15 | 12.78  | 46.33  | 30.03        | 7.60    | 7.67 | 17.2       | 3.37            | 86.6  |
| 785      | 6/11/2011 19:30 | 12.24  | 46.50  | 30.14        | 7.46    | 7.65 | 17.2       | 3.47            | 84.0  |
| 786      | 6/11/2011 19:45 | 11.87  | 46.63  | 30.21        | 7.37    | 7.64 | 17.3       | 3.55            | 82.5  |
| 787      | 6/11/2011 20:00 | 11.83  | 46.71  | 30.27        | 7.36    | 7.65 | 27.5       | 3.62            | 82.3  |
| 788      | 6/11/2011 20:15 | 11.72  | 46.79  | 30.32        | 7.39    | 7.65 | 41.7       | 3.68            | 82.5  |
| 789      | 6/11/2011 20:30 | 11.71  | 46.71  | 30.26        | 7.42    | 7.65 | 9.2        | 3.73            | 82.7  |
| 790      | 6/11/2011 20:45 | 11.69  | 46.80  | 30.33        | 7.41    | 7.65 | 6.0        | 3.77            | 82.6  |
| 791      | 6/11/2011 21:00 | 12.03  | 46.69  | 30.27        | 7.34    | 7.65 | 5.8        | 3.78            | 82.4  |
| 792      | 6/11/2011 21:15 | 11.83  | 46.77  | 30.31        | 7.17    | 7.64 | 4.6        | 3.77            | 80.2  |
| 793      | 6/11/2011 21:30 | 11.74  | 46.80  | 30.33        | 7.27    | 7.65 | 5.2        | 3.75            | 81.2  |
| 794      | 6/11/2011 21:45 | 11.91  | 46.73  | 30.29        | 7.32    | 7.65 | 8.7        | 3.70            | 82.0  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                 |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 795      | 6/11/2011 22:00 | 12.11  | 46.64  | 30.23        | 7.36    | 7.65 | 8.5        | 3.62            | 82.7  |
| 796      | 6/11/2011 22:15 | 12.19  | 46.40  | 30.06        | 7.34    | 7.66 | 9.3        | 3.54            | 82.6  |
| 797      | 6/11/2011 22:30 | 13.55  | 46.01  | 29.83        | 7.77    | 7.73 | 8.5        | 3.45            | 89.8  |
| 798      | 6/11/2011 22:45 | 13.84  | 45.99  | 29.82        | 7.66    | 7.71 | 10.1       | 3.33            | 89.1  |
| 799      | 6/11/2011 23:00 | 13.90  | 45.86  | 29.73        | 7.78    | 7.72 | 10.6       | 3.22            | 90.6  |
| 800      | 6/11/2011 23:15 | 13.97  | 46.06  | 29.88        | 7.69    | 7.71 | 9.3        | 3.11            | 89.7  |
| 801      | 6/11/2011 23:30 | 14.00  | 45.73  | 29.64        | 7.70    | 7.71 | 12.6       | 2.99            | 89.7  |
| 802      | 6/11/2011 23:45 | 14.24  | 45.99  | 29.83        | 7.65    | 7.71 | 12.1       | 2.88            | 89.7  |
| 803      | 6/12/2011 00:00 | 14.94  | 45.80  | 29.71        | 7.67    | 7.73 | 11.5       | 2.74            | 91.1  |
| 804      | 6/12/2011 00:15 | 14.83  | 45.76  | 29.68        | 7.78    | 7.73 | 12.1       | 2.62            | 92.2  |
| 805      | 6/12/2011 00:30 | 15.17  | 45.75  | 29.68        | 7.90    | 7.76 | 13.2       | 2.50            | 94.3  |
| 806      | 6/12/2011 00:45 | 14.41  | 45.94  | 29.80        | 7.64    | 7.71 | 10.6       | 2.36            | 89.9  |
| 807      | 6/12/2011 01:00 | 15.07  | 45.76  | 29.69        | 7.73    | 7.73 | 11.8       | 2.24            | 92.1  |
| 808      | 6/12/2011 01:15 | 14.96  | 45.78  | 29.70        | 7.77    | 7.74 | 11.4       | 2.12            | 92.4  |
| 809      | 6/12/2011 01:30 | 15.07  | 45.75  | 29.68        | 7.92    | 7.74 | 12.8       | 1.97            | 94.3  |
| 810      | 6/12/2011 01:45 | 15.51  | 45.09  | 29.21        | 7.99    | 7.76 | 12.1       | 1.85            | 95.8  |
| 811      | 6/12/2011 02:00 | 15.66  | 45.66  | 29.62        | 7.99    | 7.77 | 12.3       | 1.70            | 96.3  |
| 812      | 6/12/2011 02:15 | 15.89  | 45.60  | 29.58        | 7.99    | 7.78 | 9.8        | 1.59            | 96.8  |
| 813      | 6/12/2011 02:30 | 16.10  | 45.35  | 29.41        | 8.07    | 7.79 | 10.7       | 1.47            | 97.9  |
| 814      | 6/12/2011 02:45 | 16.27  | 45.31  | 29.38        | 8.02    | 7.79 | 9.9        | 1.37            | 97.7  |
| 815      | 6/12/2011 03:00 | 16.48  | 45.13  | 29.26        | 8.11    | 7.81 | 8.9        | 1.30            | 99.1  |
| 816      | 6/12/2011 03:15 | 16.64  | 45.15  | 29.27        | 8.12    | 7.82 | 8.7        | 1.25            | 99.6  |
| 817      | 6/12/2011 03:30 | 17.03  | 45.23  | 29.33        | 8.34    | 7.86 | 9.7        | 1.22            | 103.1 |
| 818      | 6/12/2011 03:45 | 16.97  | 45.44  | 29.48        | 8.23    | 7.85 | 7.8        | 1.23            | 101.6 |
| 819      | 6/12/2011 04:00 | 16.97  | 45.42  | 29.47        | 8.30    | 7.85 | 8.2        | 1.26            | 102.5 |
| 820      | 6/12/2011 04:15 | 16.76  | 45.00  | 29.16        | 8.22    | 7.83 | 7.7        | 1.32            | 101.0 |
| 821      | 6/12/2011 04:30 | 16.80  | 45.22  | 29.32        | 8.20    | 7.83 | 8.9        | 1.37            | 100.8 |
| 822      | 6/12/2011 04:45 | 16.82  | 45.44  | 29.48        | 8.19    | 7.83 | 11.0       | 1.44            | 100.9 |
| 823      | 6/12/2011 05:00 | 16.88  | 45.21  | 29.32        | 8.00    | 7.81 | 11.3       | 1.53            | 98.6  |
| 824      | 6/12/2011 05:15 | 16.75  | 45.32  | 29.40        | 8.01    | 7.81 | 10.6       | 1.59            | 98.5  |
| 825      | 6/12/2011 05:30 | 16.69  | 45.28  | 29.37        | 7.94    | 7.80 | 15.3       | 1.67            | 97.4  |
| 826      | 6/12/2011 05:45 | 16.62  | 45.26  | 29.35        | 7.88    | 7.79 | 11.1       | 1.74            | 96.6  |
| 827      | 6/12/2011 06:00 | 16.58  | 45.20  | 29.30        | 7.85    | 7.79 | 11.2       | 1.82            | 96.1  |
| 828      | 6/12/2011 06:15 | 16.49  | 44.81  | 29.03        | 7.86    | 7.78 | 9.3        | 1.90            | 95.9  |
| 829      | 6/12/2011 06:30 | 16.14  | 45.37  | 29.42        | 7.75    | 7.76 | 9.0        | 1.99            | 94.2  |
| 830      | 6/12/2011 06:45 | 15.96  | 45.49  | 29.51        | 7.65    | 7.74 | 9.0        | 2.07            | 92.7  |
| 831      | 6/12/2011 07:00 | 15.73  | 45.57  | 29.56        | 7.56    | 7.73 | 7.4        | 2.15            | 91.2  |
| 832      | 6/12/2011 07:15 | 15.39  | 45.64  | 29.61        | 7.55    | 7.71 | 8.4        | 2.26            | 90.4  |
| 833      | 6/12/2011 07:30 | 15.19  | 45.72  | 29.66        | 7.50    | 7.70 | 8.9        | 2.34            | 89.5  |
| 834      | 6/12/2011 07:45 | 15.16  | 45.38  | 29.42        | 7.49    | 7.70 | 7.6        | 2.42            | 89.3  |
| 835      | 6/12/2011 08:00 | 15.06  | 45.33  | 29.38        | 7.51    | 7.70 | 7.9        | 2.50            | 89.2  |
| 836      | 6/12/2011 08:15 | 14.94  | 45.78  | 29.70        | 7.48    | 7.70 | 8.1        | 2.57            | 88.9  |
| 837      | 6/12/2011 08:30 | 14.73  | 45.78  | 29.70        | 7.48    | 7.69 | 8.2        | 2.65            | 88.5  |
| 838      | 6/12/2011 08:45 | 14.55  | 45.79  | 29.70        | 7.45    | 7.69 | 9.7        | 2.72            | 87.9  |
| 839      | 6/12/2011 09:00 | 14.32  | 45.81  | 29.71        | 7.45    | 7.68 | 22.5       | 2.78            | 87.4  |
| 840      | 6/12/2011 09:15 | 14.18  | 45.86  | 29.74        | 7.46    | 7.68 | 17.0       | 2.84            | 87.3  |
| 841      | 6/12/2011 09:30 | 14.10  | 45.33  | 29.35        | 7.46    | 7.68 | 7.2        | 2.90            | 87.0  |
| 842      | 6/12/2011 09:45 | 13.95  | 45.97  | 29.81        | 7.42    | 7.68 | 6.5        | 2.94            | 86.5  |
| 843      | 6/12/2011 10:00 | 13.68  | 46.03  | 29.85        | 7.39    | 7.67 | 6.2        | 2.98            | 85.7  |
| 844      | 6/12/2011 10:15 | 13.24  | 46.18  | 29.94        | 7.36    | 7.66 | 6.2        | 3.01            | 84.6  |
| 845      | 6/12/2011 10:30 | 13.10  | 46.26  | 30.00        | 7.31    | 7.66 | 4.7        | 3.02            | 83.8  |
| 846      | 6/12/2011 10:45 | 13.16  | 46.25  | 29.99        | 7.20    | 7.66 | 3.8        | 3.02            | 82.7  |
| 847      | 6/12/2011 11:00 | 13.25  | 46.23  | 29.98        | 7.16    | 7.65 | 6.9        | 3.00            | 82.4  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 848      | 6/12/2011 11:15 | 13.48  | 46.15  | 29.92        | 7.18    | 7.66 | 5.6               | 2.95            | 83.0  |
| 849      | 6/12/2011 11:30 | 13.91  | 46.00  | 29.83        | 7.25    | 7.68 | 6.4               | 2.91            | 84.5  |
| 850      | 6/12/2011 11:45 | 14.32  | 45.90  | 29.77        | 7.40    | 7.69 | 6.3               | 2.85            | 86.8  |
| 851      | 6/12/2011 12:00 | 14.61  | 45.83  | 29.73        | 7.54    | 7.71 | 8.2               | 2.77            | 89.0  |
| 852      | 6/12/2011 12:15 | 14.86  | 45.66  | 29.61        | 7.72    | 7.72 | 7.8               | 2.70            | 91.6  |
| 853      | 6/12/2011 12:30 | 14.96  | 45.56  | 29.54        | 7.58    | 7.72 | 8.4               | 2.63            | 90.0  |
| 854      | 6/12/2011 12:45 | 15.02  | 45.63  | 29.59        | 7.76    | 7.72 | 8.5               | 2.55            | 92.3  |
| 855      | 6/12/2011 13:00 | 15.24  | 45.73  | 29.67        | 7.81    | 7.74 | 9.8               | 2.49            | 93.4  |
| 856      | 6/12/2011 13:15 | 15.50  | 45.64  | 29.61        | 7.97    | 7.75 | 7.3               | 2.42            | 95.7  |
| 857      | 6/12/2011 13:30 | 15.82  | 45.73  | 29.68        | 8.78    | 7.80 | 9.1               | 2.34            | 106.1 |
| 858      | 6/12/2011 13:45 | 16.04  | 45.67  | 29.64        | 8.84    | 7.81 | 7.4               | 2.28            | 107.4 |
| 859      | 6/12/2011 14:00 | 16.18  | 45.60  | 29.59        | 8.84    | 7.81 | 6.7               | 2.24            | 107.6 |
| 860      | 6/12/2011 14:15 | 16.41  | 45.32  | 29.39        | 8.79    | 7.82 | 6.3               | 2.17            | 107.3 |
| 861      | 6/12/2011 14:30 | 16.56  | 45.45  | 29.48        | 8.81    | 7.82 | 5.9               | 2.12            | 107.9 |
| 862      | 6/12/2011 14:45 | 16.76  | 45.45  | 29.49        | 8.79    | 7.83 | 5.6               | 2.11            | 108.1 |
| 863      | 6/12/2011 15:00 | 16.82  | 45.47  | 29.50        | 8.69    | 7.83 | 6.3               | 2.09            | 107.0 |
| 864      | 6/12/2011 15:15 | 16.87  | 44.72  | 28.96        | 8.86    | 7.84 | 7.5               | 2.09            | 109.0 |
| 865      | 6/12/2011 15:30 | 16.77  | 44.98  | 29.15        | 8.79    | 7.83 | 5.4               | 2.08            | 108.0 |
| 866      | 6/12/2011 15:45 | 16.60  | 45.23  | 29.33        | 8.60    | 7.81 | 6.0               | 2.13            | 105.4 |
| 867      | 6/12/2011 16:00 | 16.48  | 45.06  | 29.20        | 8.38    | 7.79 | 5.7               | 2.17            | 102.4 |
| 868      | 6/12/2011 16:15 | 16.49  | 45.34  | 29.41        | 8.29    | 7.79 | 5.6               | 2.20            | 101.4 |
| 869      | 6/12/2011 16:30 | 16.26  | 45.46  | 29.49        | 8.13    | 7.77 | 6.3               | 2.27            | 99.1  |
| 870      | 6/12/2011 16:45 | 16.40  | 45.37  | 29.43        | 8.17    | 7.77 | 7.8               | 2.34            | 99.8  |
| 871      | 6/12/2011 17:00 | 16.21  | 45.29  | 29.36        | 8.00    | 7.75 | 6.7               | 2.41            | 97.3  |
| 872      | 6/12/2011 17:15 | 15.94  | 45.60  | 29.58        | 7.94    | 7.74 | 6.7               | 2.48            | 96.2  |
| 873      | 6/12/2011 17:30 | 15.56  | 45.23  | 29.31        | 7.82    | 7.72 | 12.1              | 2.57            | 93.9  |
| 874      | 6/12/2011 17:45 | 15.20  | 45.67  | 29.62        | 7.73    | 7.71 | 7.6               | 2.64            | 92.3  |
| 875      | 6/12/2011 18:00 | 14.78  | 45.75  | 29.68        | 7.61    | 7.69 | 8.0               | 2.71            | 90.1  |
| 876      | 6/12/2011 18:15 | 14.50  | 45.82  | 29.72        | 7.60    | 7.69 | 12.3              | 2.80            | 89.5  |
| 877      | 6/12/2011 18:30 | 14.23  | 45.92  | 29.78        | 7.56    | 7.68 | 9.6               | 2.89            | 88.6  |
| 878      | 6/12/2011 18:45 | 13.97  | 45.98  | 29.82        | 7.52    | 7.68 | 9.6               | 2.98            | 87.7  |
| 879      | 6/12/2011 19:00 | 13.56  | 46.10  | 29.89        | 7.49    | 7.67 | 11.4              | 3.06            | 86.7  |
| 880      | 6/12/2011 19:15 | 13.21  | 46.22  | 29.97        | 7.53    | 7.67 | 13.2              | 3.16            | 86.5  |
| 881      | 6/12/2011 19:30 | 12.92  | 46.29  | 30.01        | 7.47    | 7.66 | 13.6              | 3.26            | 85.4  |
| 882      | 6/12/2011 19:45 | 12.53  | 46.42  | 30.09        | 7.37    | 7.65 | 12.6              | 3.36            | 83.6  |
| 883      | 6/12/2011 20:00 | 12.15  | 46.60  | 30.20        | 7.23    | 7.64 | 9.5               | 3.46            | 81.3  |
| 884      | 6/12/2011 20:15 | 11.82  | 46.73  | 30.28        | 7.10    | 7.63 | 9.6               | 3.55            | 79.3  |
| 885      | 6/12/2011 20:30 | 11.25  | 46.93  | 30.40        | 6.85    | 7.61 | 8.9               | 3.64            | 75.8  |
| 886      | 6/12/2011 20:45 | 11.19  | 46.99  | 30.44        | 6.83    | 7.61 | 7.7               | 3.71            | 75.4  |
| 887      | 6/12/2011 21:00 | 11.11  | 47.04  | 30.47        | 6.85    | 7.61 | 5.9               | 3.78            | 75.5  |
| 888      | 6/12/2011 21:15 | 11.06  | 46.98  | 30.42        | 6.83    | 7.61 | 5.6               | 3.83            | 75.2  |
| 889      | 6/12/2011 21:30 | 11.00  | 47.12  | 30.52        | 6.80    | 7.61 | 6.3               | 3.87            | 74.8  |
| 890      | 6/12/2011 21:45 | 10.98  | 47.12  | 30.53        | 6.77    | 7.61 | 18.9              | 3.89            | 74.4  |
| 891      | 6/12/2011 22:00 | 11.28  | 46.33  | 29.97        | 6.69    | 7.61 | 5.0               | 3.88            | 73.8  |
| 892      | 6/12/2011 22:15 | 11.07  | 46.38  | 30.00        | 6.72    | 7.61 | 6.0               | 3.88            | 73.8  |
| 893      | 6/12/2011 22:30 | 11.74  | 46.40  | 30.04        | 6.77    | 7.63 | 4.6               | 3.82            | 75.5  |
| 894      | 6/12/2011 22:45 | 11.55  | 46.84  | 30.35        | 6.84    | 7.62 | 5.4               | 3.74            | 76.1  |
| 895      | 6/12/2011 23:00 | 11.61  | 46.71  | 30.26        | 6.80    | 7.63 | 7.7               | 3.67            | 75.7  |
| 896      | 6/12/2011 23:15 | 11.98  | 46.77  | 30.32        | 7.00    | 7.64 | 5.2               | 3.58            | 78.5  |
| 897      | 6/12/2011 23:30 | 12.51  | 46.08  | 29.85        | 7.06    | 7.65 | 7.4               | 3.45            | 79.9  |
| 898      | 6/12/2011 23:45 | 13.45  | 46.05  | 29.85        | 7.39    | 7.70 | 9.9               | 3.34            | 85.3  |
| 899      | 6/13/2011 00:00 | 13.48  | 45.79  | 29.67        | 7.46    | 7.70 | 11.2              | 3.22            | 86.0  |
| 900      | 6/13/2011 00:15 | 13.97  | 45.95  | 29.80        | 7.46    | 7.70 | 10.1              | 3.10            | 87.0  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                 |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 901      | 6/13/2011 00:30 | 14.04  | 45.98  | 29.82        | 7.50    | 7.70 | 9.8        | 2.96            | 87.6  |
| 902      | 6/13/2011 00:45 | 14.39  | 46.08  | 29.90        | 7.41    | 7.71 | 9.5        | 2.84            | 87.2  |
| 903      | 6/13/2011 01:00 | 14.00  | 46.22  | 30.00        | 7.54    | 7.70 | 9.0        | 2.72            | 88.0  |
| 904      | 6/13/2011 01:15 | 15.05  | 45.87  | 29.77        | 7.61    | 7.74 | 9.9        | 2.58            | 90.7  |
| 905      | 6/13/2011 01:30 | 14.49  | 46.08  | 29.90        | 7.57    | 7.71 | 9.6        | 2.43            | 89.3  |
| 906      | 6/13/2011 01:45 | 14.59  | 45.64  | 29.59        | 7.76    | 7.72 | 11.4       | 2.28            | 91.5  |
| 907      | 6/13/2011 02:00 | 15.21  | 45.93  | 29.81        | 7.89    | 7.76 | 13.9       | 2.15            | 94.3  |
| 908      | 6/13/2011 02:15 | 15.30  | 45.89  | 29.78        | 7.77    | 7.75 | 11.8       | 1.99            | 93.0  |
| 909      | 6/13/2011 02:30 | 15.57  | 45.82  | 29.74        | 7.82    | 7.76 | 13.3       | 1.84            | 94.1  |
| 910      | 6/13/2011 02:45 | 15.99  | 45.74  | 29.69        | 8.00    | 7.78 | 13.3       | 1.70            | 97.1  |
| 911      | 6/13/2011 03:00 | 16.39  | 45.65  | 29.63        | 8.07    | 7.80 | 11.6       | 1.54            | 98.7  |
| 912      | 6/13/2011 03:15 | 16.63  | 45.61  | 29.60        | 8.16    | 7.81 | 12.3       | 1.40            | 100.2 |
| 913      | 6/13/2011 03:30 | 16.89  | 45.56  | 29.56        | 8.18    | 7.81 | 11.8       | 1.27            | 100.9 |
| 914      | 6/13/2011 03:45 | 17.24  | 45.49  | 29.52        | 8.27    | 7.83 | 14.9       | 1.16            | 102.7 |
| 915      | 6/13/2011 04:00 | 17.27  | 45.48  | 29.51        | 8.20    | 7.83 | 11.2       | 1.09            | 101.9 |
| 916      | 6/13/2011 04:15 | 17.55  | 45.40  | 29.46        | 8.35    | 7.84 | 12.4       | 1.03            | 104.3 |
| 917      | 6/13/2011 04:30 | 17.22  | 45.48  | 29.51        | 8.18    | 7.82 | 11.7       | 1.02            | 101.6 |
| 918      | 6/13/2011 04:45 | 17.26  | 45.01  | 29.17        | 8.24    | 7.82 | 8.9        | 1.05            | 102.2 |
| 919      | 6/13/2011 05:00 | 17.21  | 45.50  | 29.53        | 8.23    | 7.82 | 9.4        | 1.11            | 102.2 |
| 920      | 6/13/2011 05:15 | 17.06  | 45.47  | 29.50        | 8.15    | 7.81 | 10.2       | 1.19            | 100.9 |
| 921      | 6/13/2011 05:30 | 17.04  | 45.01  | 29.17        | 8.20    | 7.81 | 10.0       | 1.26            | 101.3 |
| 922      | 6/13/2011 05:45 | 17.06  | 45.18  | 29.30        | 8.06    | 7.80 | 29.5       | 1.33            | 99.6  |
| 923      | 6/13/2011 06:00 | 17.01  | 45.37  | 29.43        | 8.04    | 7.79 | 230.8      | 1.41            | 99.3  |
| 924      | 6/13/2011 06:15 | 16.98  | 44.68  | 28.94        | 7.98    | 7.79 | 13.1       | 1.48            | 98.3  |
| 925      | 6/13/2011 06:30 | 16.95  | 45.28  | 29.36        | 7.89    | 7.78 | 46.3       | 1.58            | 97.4  |
| 926      | 6/13/2011 06:45 | 16.85  | 45.30  | 29.38        | 7.84    | 7.77 | 25.1       | 1.64            | 96.6  |
| 927      | 6/13/2011 07:00 | 16.77  | 45.33  | 29.40        | 7.86    | 7.77 | 55.8       | 1.73            | 96.6  |
| 928      | 6/13/2011 07:15 | 16.63  | 45.43  | 29.47        | 7.85    | 7.77 | 20.9       | 1.83            | 96.4  |
| 929      | 6/13/2011 07:30 | 16.22  | 45.55  | 29.56        | 7.69    | 7.75 | 13.4       | 1.91            | 93.6  |
| 930      | 6/13/2011 07:45 | 16.01  | 45.61  | 29.59        | 7.58    | 7.73 | 10.3       | 2.02            | 91.9  |
| 931      | 6/13/2011 08:00 | 15.87  | 45.65  | 29.62        | 7.51    | 7.72 | 9.2        | 2.11            | 90.9  |
| 932      | 6/13/2011 08:15 | 15.61  | 45.74  | 29.68        | 7.45    | 7.71 | 9.2        | 2.22            | 89.7  |
| 933      | 6/13/2011 08:30 | 15.45  | 45.80  | 29.73        | 7.43    | 7.70 | 9.6        | 2.32            | 89.2  |
| 934      | 6/13/2011 08:45 | 15.38  | 45.83  | 29.75        | 7.44    | 7.71 | 9.6        | 2.40            | 89.2  |
| 935      | 6/13/2011 09:00 | 15.18  | 45.88  | 29.78        | 7.42    | 7.70 | 10.3       | 2.51            | 88.6  |
| 936      | 6/13/2011 09:15 | 14.99  | 45.90  | 29.79        | 7.40    | 7.70 | 10.1       | 2.60            | 88.1  |
| 937      | 6/13/2011 09:30 | 14.75  | 45.94  | 29.81        | 7.36    | 7.69 | 12.7       | 2.67            | 87.2  |
| 938      | 6/13/2011 09:45 | 14.42  | 45.96  | 29.82        | 7.33    | 7.68 | 12.3       | 2.75            | 86.3  |
| 939      | 6/13/2011 10:00 | 14.21  | 46.04  | 29.87        | 7.29    | 7.68 | 11.3       | 2.82            | 85.5  |
| 940      | 6/13/2011 10:15 | 14.08  | 46.09  | 29.90        | 7.28    | 7.67 | 9.8        | 2.89            | 85.1  |
| 941      | 6/13/2011 10:30 | 13.69  | 46.22  | 29.98        | 7.21    | 7.66 | 10.5       | 2.96            | 83.7  |
| 942      | 6/13/2011 10:45 | 13.15  | 46.37  | 30.08        | 7.14    | 7.65 | 14.2       | 3.01            | 82.0  |
| 943      | 6/13/2011 11:00 | 12.86  | 46.44  | 30.12        | 7.14    | 7.65 | 15.3       | 3.07            | 81.5  |
| 944      | 6/13/2011 11:15 | 12.74  | 46.48  | 30.14        | 7.12    | 7.65 | 8.5        | 3.11            | 81.2  |
| 945      | 6/13/2011 11:30 | 12.66  | 46.50  | 30.15        | 7.10    | 7.65 | 7.7        | 3.13            | 80.8  |
| 946      | 6/13/2011 11:45 | 12.94  | 46.47  | 30.14        | 7.03    | 7.65 | 4.6        | 3.14            | 80.5  |
| 947      | 6/13/2011 12:00 | 12.71  | 45.96  | 29.77        | 6.97    | 7.64 | 5.2        | 3.13            | 79.2  |
| 948      | 6/13/2011 12:15 | 12.68  | 45.99  | 29.79        | 7.01    | 7.64 | 6.1        | 3.10            | 79.6  |
| 949      | 6/13/2011 12:30 | 12.81  | 46.32  | 30.03        | 7.03    | 7.65 | 6.8        | 3.04            | 80.1  |
| 950      | 6/13/2011 12:45 | 14.32  | 46.09  | 29.91        | 7.57    | 7.72 | 10.3       | 2.98            | 89.0  |
| 951      | 6/13/2011 13:00 | 14.40  | 46.08  | 29.90        | 7.65    | 7.71 | 9.6        | 2.91            | 90.0  |
| 952      | 6/13/2011 13:15 | 14.52  | 46.22  | 30.01        | 8.11    | 7.74 | 10.1       | 2.83            | 95.8  |
| 953      | 6/13/2011 13:30 | 14.56  | 46.22  | 30.01        | 8.17    | 7.75 | 10.6       | 2.75            | 96.6  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                 |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 954      | 6/13/2011 13:45 | 14.88  | 46.12  | 29.94        | 8.20    | 7.75 | 10.9       | 2.67            | 97.5  |
| 955      | 6/13/2011 14:00 | 15.20  | 46.04  | 29.89        | 8.28    | 7.76 | 11.2       | 2.60            | 99.1  |
| 956      | 6/13/2011 14:15 | 15.57  | 45.99  | 29.86        | 8.37    | 7.78 | 11.5       | 2.53            | 100.9 |
| 957      | 6/13/2011 14:30 | 15.86  | 45.93  | 29.82        | 8.42    | 7.79 | 11.0       | 2.46            | 102.0 |
| 958      | 6/13/2011 14:45 | 16.05  | 45.92  | 29.82        | 8.59    | 7.80 | 11.7       | 2.40            | 104.4 |
| 959      | 6/13/2011 15:00 | 16.34  | 45.87  | 29.78        | 8.75    | 7.82 | 167.8      | 2.33            | 107.0 |
| 960      | 6/13/2011 15:15 | 16.56  | 45.79  | 29.73        | 8.86    | 7.83 | 10.3       | 2.27            | 108.7 |
| 961      | 6/13/2011 15:30 | 16.82  | 45.76  | 29.71        | 8.93    | 7.84 | 9.8        | 2.23            | 110.2 |
| 962      | 6/13/2011 15:45 | 16.93  | 45.71  | 29.68        | 8.85    | 7.84 | 9.2        | 2.21            | 109.3 |
| 963      | 6/13/2011 16:00 | 16.98  | 45.73  | 29.69        | 8.83    | 7.84 | 9.0        | 2.18            | 109.2 |
| 964      | 6/13/2011 16:15 | 17.10  | 45.73  | 29.69        | 8.87    | 7.86 | 9.9        | 2.16            | 110.0 |
| 965      | 6/13/2011 16:30 | 17.10  | 45.68  | 29.65        | 8.84    | 7.85 | 9.9        | 2.19            | 109.6 |
| 966      | 6/13/2011 16:45 | 16.87  | 45.71  | 29.68        | 8.74    | 7.82 | 8.3        | 2.20            | 107.9 |
| 967      | 6/13/2011 17:00 | 16.83  | 45.65  | 29.64        | 8.64    | 7.81 | 8.5        | 2.23            | 106.5 |
| 968      | 6/13/2011 17:15 | 16.93  | 45.61  | 29.60        | 8.59    | 7.81 | 7.2        | 2.29            | 106.1 |
| 969      | 6/13/2011 17:30 | 16.72  | 45.61  | 29.60        | 8.53    | 7.80 | 9.8        | 2.36            | 104.9 |
| 970      | 6/13/2011 17:45 | 16.43  | 45.72  | 29.68        | 8.31    | 7.78 | 8.1        | 2.43            | 101.7 |
| 971      | 6/13/2011 18:00 | 16.43  | 45.70  | 29.67        | 8.28    | 7.78 | 9.6        | 2.50            | 101.4 |
| 972      | 6/13/2011 18:15 | 16.31  | 45.74  | 29.69        | 8.21    | 7.77 | 14.5       | 2.58            | 100.3 |
| 973      | 6/13/2011 18:30 | 16.06  | 45.80  | 29.73        | 8.11    | 7.76 | 20.8       | 2.67            | 98.5  |
| 974      | 6/13/2011 18:45 | 15.59  | 45.92  | 29.81        | 7.97    | 7.74 | 12.2       | 2.75            | 96.0  |
| 975      | 6/13/2011 19:00 | 15.10  | 46.02  | 29.87        | 7.81    | 7.72 | 9.6        | 2.83            | 93.2  |
| 976      | 6/13/2011 19:15 | 14.44  | 46.17  | 29.97        | 7.69    | 7.70 | 14.2       | 2.92            | 90.6  |
| 977      | 6/13/2011 19:30 | 14.11  | 46.24  | 30.01        | 7.58    | 7.69 | 11.9       | 3.02            | 88.8  |
| 978      | 6/13/2011 19:45 | 13.89  | 46.29  | 30.04        | 7.54    | 7.68 | 11.2       | 3.10            | 87.9  |
| 979      | 6/13/2011 20:00 | 13.55  | 46.39  | 30.10        | 7.50    | 7.68 | 10.9       | 3.19            | 86.8  |
| 980      | 6/13/2011 20:15 | 13.10  | 46.52  | 30.18        | 7.47    | 7.67 | 12.9       | 3.29            | 85.8  |
| 981      | 6/13/2011 20:30 | 12.65  | 46.65  | 30.26        | 7.40    | 7.65 | 14.5       | 3.38            | 84.2  |
| 982      | 6/13/2011 20:45 | 12.35  | 46.74  | 30.31        | 7.40    | 7.65 | 14.1       | 3.48            | 83.7  |
| 983      | 6/13/2011 21:00 | 11.97  | 46.88  | 30.40        | 7.40    | 7.64 | 13.6       | 3.57            | 83.0  |
| 984      | 6/13/2011 21:15 | 11.71  | 46.95  | 30.43        | 7.39    | 7.64 | 10.5       | 3.66            | 82.5  |
| 985      | 6/13/2011 21:30 | 11.55  | 46.99  | 30.46        | 7.50    | 7.65 | 12.1       | 3.75            | 83.5  |
| 986      | 6/13/2011 21:45 | 11.46  | 47.02  | 30.48        | 7.59    | 7.66 | 7.8        | 3.82            | 84.3  |
| 987      | 6/13/2011 22:00 | 11.41  | 47.03  | 30.48        | 7.64    | 7.66 | 6.5        | 3.88            | 84.7  |
| 988      | 6/13/2011 22:15 | 11.35  | 47.04  | 30.49        | 7.66    | 7.67 | 5.1        | 3.94            | 84.9  |
| 989      | 6/13/2011 22:30 | 11.32  | 47.04  | 30.48        | 7.64    | 7.67 | 7.8        | 3.96            | 84.7  |
| 990      | 6/13/2011 22:45 | 11.55  | 47.02  | 30.48        | 7.51    | 7.66 | 3.7        | 3.96            | 83.6  |
| 991      | 6/13/2011 23:00 | 11.58  | 46.80  | 30.32        | 7.44    | 7.66 | 12.3       | 3.95            | 82.8  |
| 992      | 6/13/2011 23:15 | 11.50  | 46.67  | 30.23        | 7.51    | 7.66 | 6.1        | 3.91            | 83.4  |
| 993      | 6/13/2011 23:30 | 11.57  | 46.45  | 30.07        | 7.61    | 7.66 | 9.4        | 3.84            | 84.5  |
| 994      | 6/13/2011 23:45 | 11.35  | 47.01  | 30.46        | 7.64    | 7.66 | 9.8        | 3.76            | 84.7  |
| 995      | 6/14/2011 00:00 | 11.20  | 47.06  | 30.49        | 7.74    | 7.67 | 9.2        | 3.65            | 85.5  |
| 996      | 6/14/2011 00:15 | 12.99  | 46.08  | 29.86        | 7.55    | 7.69 | 14.9       | 3.54            | 86.2  |
| 997      | 6/14/2011 00:30 | 13.14  | 46.43  | 30.12        | 7.55    | 7.69 | 14.4       | 3.43            | 86.7  |
| 998      | 6/14/2011 00:45 | 13.22  | 46.30  | 30.03        | 7.56    | 7.69 | 29.5       | 3.30            | 87.0  |
| 999      | 6/14/2011 01:00 | 13.36  | 45.80  | 29.67        | 7.55    | 7.69 | 14.7       | 3.18            | 86.8  |
| 1000     | 6/14/2011 01:15 | 13.57  | 45.98  | 29.81        | 7.53    | 7.69 | 13.8       | 3.04            | 87.1  |
| 1001     | 6/14/2011 01:30 | 13.87  | 46.29  | 30.04        | 7.58    | 7.70 | 17.6       | 2.90            | 88.3  |
| 1002     | 6/14/2011 01:45 | 13.85  | 46.27  | 30.02        | 7.59    | 7.70 | 16.2       | 2.76            | 88.4  |
| 1003     | 6/14/2011 02:00 | 14.54  | 46.13  | 29.94        | 7.70    | 7.73 | 15.3       | 2.63            | 90.9  |
| 1004     | 6/14/2011 02:15 | 13.92  | 46.32  | 30.06        | 7.52    | 7.70 | 14.5       | 2.46            | 87.8  |
| 1005     | 6/14/2011 02:30 | 14.34  | 45.57  | 29.54        | 7.58    | 7.72 | 14.8       | 2.31            | 88.9  |
| 1006     | 6/14/2011 02:45 | 14.68  | 45.61  | 29.57        | 7.69    | 7.73 | 16.9       | 2.17            | 90.8  |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                 |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1007     | 6/14/2011 03:00 | 14.88  | 46.05  | 29.89        | 7.68    | 7.73 | 17.3       | 2.01            | 91.3  |
| 1008     | 6/14/2011 03:15 | 15.19  | 45.76  | 29.69        | 7.72    | 7.74 | 22.5       | 1.84            | 92.1  |
| 1009     | 6/14/2011 03:30 | 15.39  | 45.51  | 29.51        | 7.68    | 7.74 | 19.3       | 1.69            | 92.0  |
| 1010     | 6/14/2011 03:45 | 15.48  | 45.51  | 29.51        | 7.64    | 7.74 | 18.0       | 1.52            | 91.6  |
| 1011     | 6/14/2011 04:00 | 15.84  | 45.31  | 29.38        | 7.66    | 7.75 | 17.3       | 1.36            | 92.4  |
| 1012     | 6/14/2011 04:15 | 15.97  | 45.50  | 29.52        | 7.61    | 7.75 | 18.1       | 1.20            | 92.2  |
| 1013     | 6/14/2011 04:30 | 16.21  | 45.74  | 29.69        | 7.56    | 7.76 | 40.2       | 1.06            | 92.1  |
| 1014     | 6/14/2011 04:45 | 16.26  | 45.36  | 29.42        | 7.53    | 7.76 | 16.0       | 0.96            | 91.7  |
| 1015     | 6/14/2011 05:00 | 16.41  | 45.12  | 29.24        | 7.56    | 7.76 | 15.6       | 0.88            | 92.2  |
| 1016     | 6/14/2011 05:15 | 16.34  | 45.17  | 29.28        | 7.50    | 7.76 | 15.5       | 0.86            | 91.5  |
| 1017     | 6/14/2011 05:30 | 16.87  | 45.16  | 29.28        | 7.48    | 7.78 | 22.8       | 0.89            | 92.2  |
| 1018     | 6/14/2011 05:45 | 16.94  | 45.61  | 29.60        | 7.51    | 7.79 | 15.0       | 0.97            | 92.8  |
| 1019     | 6/14/2011 06:00 | 16.94  | 45.59  | 29.59        | 7.49    | 7.79 | 14.5       | 1.06            | 92.5  |
| 1020     | 6/14/2011 06:15 | 16.93  | 45.58  | 29.58        | 7.47    | 7.79 | 16.2       | 1.14            | 92.3  |
| 1021     | 6/14/2011 06:30 | 16.91  | 45.60  | 29.59        | 7.43    | 7.79 | 14.0       | 1.21            | 91.8  |
| 1022     | 6/14/2011 06:45 | 16.87  | 45.60  | 29.60        | 7.41    | 7.78 | 13.7       | 1.27            | 91.5  |
| 1023     | 6/14/2011 07:00 | 16.82  | 45.54  | 29.55        | 7.35    | 7.77 | 15.4       | 1.34            | 90.6  |
| 1024     | 6/14/2011 07:15 | 16.80  | 45.13  | 29.26        | 7.35    | 7.77 | 14.8       | 1.40            | 90.3  |
| 1025     | 6/14/2011 07:30 | 16.75  | 45.32  | 29.39        | 7.30    | 7.76 | 17.2       | 1.48            | 89.7  |
| 1026     | 6/14/2011 07:45 | 16.68  | 45.31  | 29.38        | 7.28    | 7.75 | 18.5       | 1.57            | 89.4  |
| 1027     | 6/14/2011 08:00 | 16.53  | 45.45  | 29.49        | 7.31    | 7.75 | 18.1       | 1.66            | 89.6  |
| 1028     | 6/14/2011 08:15 | 16.34  | 45.54  | 29.55        | 7.42    | 7.75 | 16.4       | 1.76            | 90.5  |
| 1029     | 6/14/2011 08:30 | 16.02  | 45.64  | 29.62        | 7.41    | 7.73 | 15.4       | 1.87            | 89.9  |
| 1030     | 6/14/2011 08:45 | 15.79  | 45.62  | 29.60        | 7.37    | 7.72 | 14.3       | 1.98            | 89.0  |
| 1031     | 6/14/2011 09:00 | 15.65  | 45.67  | 29.63        | 7.38    | 7.72 | 13.1       | 2.10            | 88.9  |
| 1032     | 6/14/2011 09:15 | 15.35  | 45.86  | 29.76        | 7.43    | 7.71 | 18.7       | 2.21            | 89.1  |
| 1033     | 6/14/2011 09:30 | 15.26  | 45.91  | 29.80        | 7.44    | 7.71 | 16.8       | 2.31            | 89.0  |
| 1034     | 6/14/2011 09:45 | 15.23  | 45.91  | 29.80        | 7.44    | 7.71 | 16.0       | 2.43            | 88.9  |
| 1035     | 6/14/2011 10:00 | 15.00  | 45.97  | 29.83        | 7.44    | 7.71 | 16.8       | 2.53            | 88.6  |
| 1036     | 6/14/2011 10:15 | 14.82  | 46.00  | 29.85        | 7.42    | 7.70 | 15.2       | 2.63            | 88.1  |
| 1037     | 6/14/2011 10:30 | 14.70  | 46.04  | 29.88        | 7.41    | 7.70 | 18.6       | 2.71            | 87.7  |
| 1038     | 6/14/2011 10:45 | 14.25  | 46.01  | 29.85        | 7.44    | 7.68 | 18.7       | 2.79            | 87.3  |
| 1039     | 6/14/2011 11:00 | 14.06  | 46.12  | 29.93        | 7.46    | 7.68 | 15.5       | 2.87            | 87.2  |
| 1040     | 6/14/2011 11:15 | 13.70  | 46.24  | 30.00        | 7.52    | 7.68 | 16.4       | 2.93            | 87.2  |
| 1041     | 6/14/2011 11:30 | 13.24  | 46.25  | 29.99        | 7.60    | 7.68 | 14.2       | 3.00            | 87.4  |
| 1042     | 6/14/2011 11:45 | 12.89  | 45.92  | 29.75        | 7.69    | 7.68 | 11.1       | 3.06            | 87.6  |
| 1043     | 6/14/2011 12:00 | 12.74  | 46.11  | 29.88        | 7.68    | 7.68 | 10.3       | 3.11            | 87.3  |
| 1044     | 6/14/2011 12:15 | 12.73  | 46.00  | 29.79        | 7.67    | 7.68 | 7.9        | 3.14            | 87.2  |
| 1045     | 6/14/2011 12:30 | 12.72  | 46.23  | 29.96        | 7.63    | 7.68 | 7.3        | 3.16            | 86.8  |
| 1046     | 6/14/2011 12:45 | 12.94  | 46.32  | 30.03        | 7.63    | 7.68 | 6.6        | 3.17            | 87.2  |
| 1047     | 6/14/2011 13:00 | 12.87  | 46.34  | 30.04        | 7.44    | 7.67 | 6.0        | 3.17            | 84.9  |
| 1048     | 6/14/2011 13:15 | 12.81  | 46.50  | 30.15        | 7.52    | 7.68 | 7.4        | 3.12            | 85.8  |
| 1049     | 6/14/2011 13:30 | 12.97  | 46.43  | 30.11        | 7.58    | 7.68 | 9.1        | 3.05            | 86.8  |
| 1050     | 6/14/2011 13:45 | 13.69  | 46.34  | 30.07        | 7.98    | 7.72 | 12.4       | 2.99            | 92.7  |
| 1051     | 6/14/2011 14:00 | 14.08  | 46.26  | 30.02        | 8.09    | 7.73 | 14.4       | 2.93            | 94.7  |
| 1052     | 6/14/2011 14:15 | 14.33  | 46.24  | 30.02        | 8.23    | 7.74 | 15.0       | 2.84            | 96.8  |
| 1053     | 6/14/2011 14:30 | 14.52  | 46.21  | 30.00        | 8.38    | 7.75 | 15.4       | 2.75            | 98.9  |
| 1054     | 6/14/2011 14:45 | 14.86  | 46.14  | 29.96        | 8.37    | 7.76 | 18.7       | 2.68            | 99.4  |
| 1055     | 6/14/2011 15:00 | 15.16  | 46.07  | 29.91        | 8.34    | 7.77 | 18.3       | 2.61            | 99.7  |
| 1056     | 6/14/2011 15:15 | 15.45  | 45.40  | 29.43        | 8.41    | 7.78 | 25.8       | 2.54            | 100.7 |
| 1057     | 6/14/2011 15:30 | 15.63  | 46.01  | 29.88        | 8.30    | 7.77 | 22.8       | 2.44            | 100.1 |
| 1058     | 6/14/2011 15:45 | 15.86  | 45.96  | 29.85        | 8.44    | 7.79 | 19.5       | 2.38            | 102.2 |
| 1059     | 6/14/2011 16:00 | 16.01  | 45.92  | 29.82        | 8.31    | 7.79 | 17.9       | 2.34            | 101.0 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1060     | 6/14/2011 16:15 | 16.21  | 45.90  | 29.81        | 8.46    | 7.80 | 17.5       | 2.27   | 103.1 |
| 1061     | 6/14/2011 16:30 | 16.34  | 45.87  | 29.79        | 8.38    | 7.80 | 14.5       | 2.23   | 102.4 |
| 1062     | 6/14/2011 16:45 | 16.40  | 45.79  | 29.73        | 8.26    | 7.79 | 13.3       | 2.19   | 101.1 |
| 1063     | 6/14/2011 17:00 | 16.51  | 45.78  | 29.72        | 8.17    | 7.79 | 10.9       | 2.19   | 100.2 |
| 1064     | 6/14/2011 17:15 | 16.64  | 45.66  | 29.64        | 8.34    | 7.82 | 12.6       | 2.18   | 102.5 |
| 1065     | 6/14/2011 17:30 | 16.59  | 45.32  | 29.39        | 8.63    | 7.82 | 12.3       | 2.18   | 105.7 |
| 1066     | 6/14/2011 17:45 | 16.52  | 45.14  | 29.26        | 8.31    | 7.79 | 11.0       | 2.22   | 101.7 |
| 1067     | 6/14/2011 18:00 | 16.51  | 45.13  | 29.25        | 8.27    | 7.79 | 10.4       | 2.26   | 101.2 |
| 1068     | 6/14/2011 18:15 | 16.52  | 45.71  | 29.67        | 8.17    | 7.78 | 10.3       | 2.32   | 100.2 |
| 1069     | 6/14/2011 18:30 | 16.36  | 45.12  | 29.24        | 8.19    | 7.78 | 12.1       | 2.39   | 99.9  |
| 1070     | 6/14/2011 18:45 | 16.10  | 45.83  | 29.75        | 8.12    | 7.77 | 11.0       | 2.45   | 98.8  |
| 1071     | 6/14/2011 19:00 | 16.20  | 45.80  | 29.73        | 8.10    | 7.77 | 10.7       | 2.54   | 98.7  |
| 1072     | 6/14/2011 19:15 | 16.05  | 45.17  | 29.27        | 8.10    | 7.76 | 13.2       | 2.63   | 98.2  |
| 1073     | 6/14/2011 19:30 | 15.81  | 45.71  | 29.66        | 8.11    | 7.75 | 11.8       | 2.70   | 98.1  |
| 1074     | 6/14/2011 19:45 | 15.38  | 45.95  | 29.83        | 8.04    | 7.75 | 12.3       | 2.78   | 96.4  |
| 1075     | 6/14/2011 20:00 | 14.87  | 45.69  | 29.63        | 8.04    | 7.73 | 15.9       | 2.87   | 95.4  |
| 1076     | 6/14/2011 20:15 | 14.34  | 45.78  | 29.69        | 8.05    | 7.73 | 15.8       | 2.95   | 94.5  |
| 1077     | 6/14/2011 20:30 | 14.05  | 46.24  | 30.01        | 8.01    | 7.72 | 14.2       | 3.03   | 93.7  |
| 1078     | 6/14/2011 20:45 | 13.76  | 46.21  | 29.98        | 7.98    | 7.71 | 12.7       | 3.13   | 92.8  |
| 1079     | 6/14/2011 21:00 | 13.25  | 45.90  | 29.74        | 7.94    | 7.70 | 18.4       | 3.22   | 91.2  |
| 1080     | 6/14/2011 21:15 | 12.81  | 46.53  | 30.18        | 7.81    | 7.69 | 18.7       | 3.32   | 89.1  |
| 1081     | 6/14/2011 21:30 | 12.61  | 46.00  | 29.79        | 7.91    | 7.70 | 19.0       | 3.42   | 89.7  |
| 1082     | 6/14/2011 21:45 | 12.22  | 46.70  | 30.28        | 7.88    | 7.69 | 17.3       | 3.51   | 88.8  |
| 1083     | 6/14/2011 22:00 | 11.98  | 46.66  | 30.24        | 7.85    | 7.69 | 16.8       | 3.61   | 88.1  |
| 1084     | 6/14/2011 22:15 | 11.62  | 46.49  | 30.10        | 7.91    | 7.69 | 14.6       | 3.70   | 88.0  |
| 1085     | 6/14/2011 22:30 | 11.38  | 46.31  | 29.96        | 8.00    | 7.69 | 9.8        | 3.77   | 88.5  |
| 1086     | 6/14/2011 22:45 | 11.36  | 46.89  | 30.38        | 8.06    | 7.70 | 9.4        | 3.84   | 89.3  |
| 1087     | 6/14/2011 23:00 | 11.29  | 46.87  | 30.36        | 8.13    | 7.71 | 8.7        | 3.90   | 90.0  |
| 1088     | 6/14/2011 23:15 | 11.28  | 46.62  | 30.18        | 8.16    | 7.71 | 7.3        | 3.94   | 90.1  |
| 1089     | 6/14/2011 23:30 | 11.27  | 46.99  | 30.44        | 8.06    | 7.71 | 7.2        | 3.95   | 89.1  |
| 1090     | 6/14/2011 23:45 | 11.50  | 46.92  | 30.40        | 7.93    | 7.70 | 5.9        | 3.94   | 88.1  |
| 1091     | 6/15/2011 00:00 | 11.60  | 46.38  | 30.02        | 7.83    | 7.69 | 6.2        | 3.91   | 87.0  |
| 1092     | 6/15/2011 00:15 | 11.52  | 46.33  | 29.98        | 7.96    | 7.70 | 7.7        | 3.85   | 88.3  |
| 1093     | 6/15/2011 00:30 | 11.57  | 46.55  | 30.14        | 7.80    | 7.69 | 8.9        | 3.76   | 86.7  |
| 1094     | 6/15/2011 00:45 | 11.34  | 46.88  | 30.37        | 7.89    | 7.69 | 8.4        | 3.66   | 87.3  |
| 1095     | 6/15/2011 01:00 | 12.47  | 46.66  | 30.26        | 7.75    | 7.70 | 12.1       | 3.54   | 87.9  |
| 1096     | 6/15/2011 01:15 | 13.04  | 46.53  | 30.19        | 7.81    | 7.72 | 15.9       | 3.42   | 89.5  |
| 1097     | 6/15/2011 01:30 | 13.02  | 46.06  | 29.85        | 7.82    | 7.72 | 17.6       | 3.31   | 89.4  |
| 1098     | 6/15/2011 01:45 | 13.18  | 45.99  | 29.80        | 7.77    | 7.71 | 15.4       | 3.18   | 89.2  |
| 1099     | 6/15/2011 02:00 | 13.08  | 45.94  | 29.76        | 7.76    | 7.71 | 11.4       | 3.04   | 88.8  |
| 1100     | 6/15/2011 02:15 | 13.85  | 46.30  | 30.05        | 7.78    | 7.72 | 15.9       | 2.90   | 90.6  |
| 1101     | 6/15/2011 02:30 | 13.98  | 45.59  | 29.54        | 7.70    | 7.72 | 18.1       | 2.76   | 89.7  |
| 1102     | 6/15/2011 02:45 | 14.46  | 46.02  | 29.86        | 7.76    | 7.73 | 15.6       | 2.61   | 91.4  |
| 1103     | 6/15/2011 03:00 | 13.83  | 46.25  | 30.01        | 7.60    | 7.71 | 14.3       | 2.44   | 88.4  |
| 1104     | 6/15/2011 03:15 | 13.95  | 46.21  | 29.98        | 7.72    | 7.72 | 15.8       | 2.30   | 90.1  |
| 1105     | 6/15/2011 03:30 | 14.14  | 46.10  | 29.91        | 7.59    | 7.71 | 16.2       | 2.14   | 88.9  |
| 1106     | 6/15/2011 03:45 | 14.51  | 45.78  | 29.69        | 7.58    | 7.72 | 19.8       | 1.99   | 89.3  |
| 1107     | 6/15/2011 04:00 | 15.02  | 45.85  | 29.75        | 7.52    | 7.73 | 28.5       | 1.81   | 89.5  |
| 1108     | 6/15/2011 04:15 | 15.32  | 45.88  | 29.78        | 7.48    | 7.73 | 21.5       | 1.64   | 89.6  |
| 1109     | 6/15/2011 04:30 | 15.62  | 45.84  | 29.75        | 7.53    | 7.74 | 20.0       | 1.49   | 90.7  |
| 1110     | 6/15/2011 04:45 | 15.69  | 45.73  | 29.67        | 7.51    | 7.74 | 19.3       | 1.31   | 90.5  |
| 1111     | 6/15/2011 05:00 | 15.75  | 45.39  | 29.43        | 7.46    | 7.74 | 17.8       | 1.14   | 90.0  |
| 1112     | 6/15/2011 05:15 | 15.87  | 45.34  | 29.40        | 7.42    | 7.74 | 23.3       | 1.01   | 89.7  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                 |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1113     | 6/15/2011 05:30 | 15.98  | 45.84  | 29.76        | 7.36    | 7.74 | 22.6       | 0.89            | 89.4  |
| 1114     | 6/15/2011 05:45 | 16.02  | 45.25  | 29.33        | 7.37    | 7.74 | 19.0       | 0.79            | 89.2  |
| 1115     | 6/15/2011 06:00 | 15.90  | 45.25  | 29.34        | 7.08    | 7.73 | 14.2       | 0.76            | 85.5  |
| 1116     | 6/15/2011 06:15 | 16.32  | 45.48  | 29.50        | 7.28    | 7.75 | 14.8       | 0.77            | 88.8  |
| 1117     | 6/15/2011 06:30 | 16.37  | 45.22  | 29.32        | 7.31    | 7.75 | 12.8       | 0.83            | 89.1  |
| 1118     | 6/15/2011 06:45 | 16.33  | 45.72  | 29.67        | 7.31    | 7.75 | 12.7       | 0.94            | 89.3  |
| 1119     | 6/15/2011 07:00 | 16.44  | 45.39  | 29.44        | 7.24    | 7.74 | 14.6       | 1.04            | 88.6  |
| 1120     | 6/15/2011 07:15 | 16.43  | 45.32  | 29.39        | 7.23    | 7.74 | 16.4       | 1.10            | 88.3  |
| 1121     | 6/15/2011 07:30 | 16.41  | 45.14  | 29.26        | 7.23    | 7.74 | 15.4       | 1.17            | 88.3  |
| 1122     | 6/15/2011 07:45 | 16.38  | 45.57  | 29.57        | 7.19    | 7.73 | 17.6       | 1.23            | 87.8  |
| 1123     | 6/15/2011 08:00 | 16.35  | 45.31  | 29.38        | 7.15    | 7.73 | 15.4       | 1.31            | 87.2  |
| 1124     | 6/15/2011 08:15 | 16.34  | 45.29  | 29.36        | 7.14    | 7.73 | 15.1       | 1.39            | 87.1  |
| 1125     | 6/15/2011 08:30 | 16.31  | 45.27  | 29.35        | 7.13    | 7.72 | 15.1       | 1.46            | 86.9  |
| 1126     | 6/15/2011 08:45 | 16.29  | 45.03  | 29.18        | 7.14    | 7.72 | 15.7       | 1.57            | 86.9  |
| 1127     | 6/15/2011 09:00 | 16.00  | 45.60  | 29.59        | 7.16    | 7.72 | 17.2       | 1.67            | 86.9  |
| 1128     | 6/15/2011 09:15 | 15.82  | 45.06  | 29.19        | 7.26    | 7.72 | 16.3       | 1.78            | 87.6  |
| 1129     | 6/15/2011 09:30 | 15.62  | 45.71  | 29.66        | 7.28    | 7.71 | 17.6       | 1.90            | 87.7  |
| 1130     | 6/15/2011 09:45 | 15.36  | 45.08  | 29.20        | 7.34    | 7.71 | 14.1       | 2.01            | 87.7  |
| 1131     | 6/15/2011 10:00 | 15.15  | 45.24  | 29.31        | 7.46    | 7.71 | 17.0       | 2.14            | 88.9  |
| 1132     | 6/15/2011 10:15 | 15.06  | 45.69  | 29.63        | 7.47    | 7.71 | 17.6       | 2.25            | 89.0  |
| 1133     | 6/15/2011 10:30 | 15.05  | 45.30  | 29.36        | 7.47    | 7.71 | 14.5       | 2.36            | 88.8  |
| 1134     | 6/15/2011 10:45 | 14.87  | 45.88  | 29.77        | 7.52    | 7.71 | 17.4       | 2.47            | 89.2  |
| 1135     | 6/15/2011 11:00 | 14.67  | 45.95  | 29.82        | 7.52    | 7.71 | 17.6       | 2.57            | 88.9  |
| 1136     | 6/15/2011 11:15 | 14.44  | 45.60  | 29.56        | 7.55    | 7.70 | 45.8       | 2.66            | 88.7  |
| 1137     | 6/15/2011 11:30 | 14.11  | 45.88  | 29.75        | 7.64    | 7.70 | 23.6       | 2.76            | 89.3  |
| 1138     | 6/15/2011 11:45 | 13.65  | 46.21  | 29.97        | 7.78    | 7.70 | 17.9       | 2.85            | 90.2  |
| 1139     | 6/15/2011 12:00 | 13.15  | 46.14  | 29.91        | 7.96    | 7.70 | 20.9       | 2.92            | 91.3  |
| 1140     | 6/15/2011 12:15 | 12.92  | 46.18  | 29.93        | 8.01    | 7.70 | 19.2       | 2.98            | 91.5  |
| 1141     | 6/15/2011 12:30 | 12.73  | 46.48  | 30.14        | 8.04    | 7.70 | 16.9       | 3.05            | 91.5  |
| 1142     | 6/15/2011 12:45 | 12.60  | 46.54  | 30.18        | 8.06    | 7.70 | 13.4       | 3.10            | 91.6  |
| 1143     | 6/15/2011 13:00 | 12.57  | 46.47  | 30.13        | 8.08    | 7.70 | 10.6       | 3.13            | 91.7  |
| 1144     | 6/15/2011 13:15 | 12.56  | 46.60  | 30.22        | 8.02    | 7.70 | 10.0       | 3.16            | 91.0  |
| 1145     | 6/15/2011 13:30 | 12.64  | 46.64  | 30.25        | 7.93    | 7.70 | 9.2        | 3.17            | 90.2  |
| 1146     | 6/15/2011 13:45 | 12.60  | 46.60  | 30.22        | 7.91    | 7.70 | 7.2        | 3.17            | 89.8  |
| 1147     | 6/15/2011 14:00 | 12.67  | 46.60  | 30.23        | 7.94    | 7.70 | 11.0       | 3.14            | 90.3  |
| 1148     | 6/15/2011 14:15 | 13.62  | 46.47  | 30.16        | 8.16    | 7.73 | 21.5       | 3.09            | 94.7  |
| 1149     | 6/15/2011 14:30 | 13.95  | 46.34  | 30.08        | 8.41    | 7.75 | 31.9       | 3.03            | 98.2  |
| 1150     | 6/15/2011 14:45 | 13.91  | 46.19  | 29.97        | 8.45    | 7.75 | 31.8       | 2.97            | 98.5  |
| 1151     | 6/15/2011 15:00 | 13.92  | 46.22  | 29.99        | 8.46    | 7.75 | 32.0       | 2.88            | 98.7  |
| 1152     | 6/15/2011 15:15 | 13.97  | 46.48  | 30.18        | 8.51    | 7.75 | 35.1       | 2.79            | 99.5  |
| 1153     | 6/15/2011 15:30 | 14.19  | 45.97  | 29.82        | 8.59    | 7.76 | 28.4       | 2.73            | 100.6 |
| 1154     | 6/15/2011 15:45 | 14.69  | 46.30  | 30.07        | 8.25    | 7.75 | 38.9       | 2.64            | 97.8  |
| 1155     | 6/15/2011 16:00 | 15.08  | 46.23  | 30.03        | 8.29    | 7.75 | 39.5       | 2.56            | 99.0  |
| 1156     | 6/15/2011 16:15 | 15.37  | 46.18  | 29.99        | 8.02    | 7.74 | 42.1       | 2.49            | 96.3  |
| 1157     | 6/15/2011 16:30 | 15.61  | 46.11  | 29.94        | 7.94    | 7.74 | 41.6       | 2.42            | 95.8  |
| 1158     | 6/15/2011 16:45 | 15.87  | 45.79  | 29.72        | 7.98    | 7.75 | 39.8       | 2.36            | 96.7  |
| 1159     | 6/15/2011 17:00 | 16.05  | 45.78  | 29.72        | 8.00    | 7.75 | 34.0       | 2.30            | 97.2  |
| 1160     | 6/15/2011 17:15 | 16.18  | 45.93  | 29.83        | 8.00    | 7.76 | 28.0       | 2.23            | 97.5  |
| 1161     | 6/15/2011 17:30 | 16.32  | 46.00  | 29.88        | 8.29    | 7.78 | 28.1       | 2.20            | 101.4 |
| 1162     | 6/15/2011 17:45 | 16.52  | 45.95  | 29.85        | 7.99    | 7.76 | 25.6       | 2.17            | 98.0  |
| 1163     | 6/15/2011 18:00 | 16.57  | 45.96  | 29.85        | 7.96    | 7.76 | 22.8       | 2.15            | 97.8  |
| 1164     | 6/15/2011 18:15 | 16.67  | 45.46  | 29.50        | 8.01    | 7.77 | 18.7       | 2.15            | 98.4  |
| 1165     | 6/15/2011 18:30 | 16.58  | 46.00  | 29.88        | 8.04    | 7.77 | 19.3       | 2.17            | 98.8  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |      |
| 1166     | 6/15/2011 18:45 | 16.63  | 45.67  | 29.64        | 7.87    | 7.75 | 19.9       | 2.21            | 96.7 |
| 1167     | 6/15/2011 19:00 | 16.63  | 45.62  | 29.61        | 7.88    | 7.74 | 220.0      | 2.25            | 96.7 |
| 1168     | 6/15/2011 19:15 | 16.63  | 45.84  | 29.77        | 7.76    | 7.74 | 25.1       | 2.32            | 95.5 |
| 1169     | 6/15/2011 19:30 | 16.37  | 45.89  | 29.80        | 7.77    | 7.73 | 27.3       | 2.39            | 95.1 |
| 1170     | 6/15/2011 19:45 | 16.77  | 45.68  | 29.66        | 7.92    | 7.76 | 21.1       | 2.46            | 97.6 |
| 1171     | 6/15/2011 20:00 | 16.40  | 45.72  | 29.68        | 7.83    | 7.74 | 21.8       | 2.54            | 95.7 |
| 1172     | 6/15/2011 20:15 | 16.02  | 46.00  | 29.87        | 7.86    | 7.73 | 185.3      | 2.62            | 95.6 |
| 1173     | 6/15/2011 20:30 | 15.32  | 46.14  | 29.97        | 7.93    | 7.73 | 26.1       | 2.71            | 95.1 |
| 1174     | 6/15/2011 20:45 | 14.64  | 46.26  | 30.04        | 8.03    | 7.72 | 29.2       | 2.78            | 95.1 |
| 1175     | 6/15/2011 21:00 | 14.10  | 45.77  | 29.67        | 8.16    | 7.72 | 32.0       | 2.87            | 95.3 |
| 1176     | 6/15/2011 21:15 | 13.85  | 46.28  | 30.03        | 8.15    | 7.72 | 21.2       | 2.96            | 95.0 |
| 1177     | 6/15/2011 21:30 | 13.47  | 46.47  | 30.16        | 8.18    | 7.71 | 27.8       | 3.05            | 94.6 |
| 1178     | 6/15/2011 21:45 | 13.18  | 46.55  | 30.21        | 8.25    | 7.71 | 28.1       | 3.15            | 94.9 |
| 1179     | 6/15/2011 22:00 | 12.68  | 46.59  | 30.22        | 8.33    | 7.71 | 31.3       | 3.25            | 94.8 |
| 1180     | 6/15/2011 22:15 | 12.31  | 46.76  | 30.32        | 8.38    | 7.70 | 27.9       | 3.35            | 94.7 |
| 1181     | 6/15/2011 22:30 | 12.01  | 46.83  | 30.36        | 8.42    | 7.70 | 20.6       | 3.44            | 94.5 |
| 1182     | 6/15/2011 22:45 | 11.80  | 46.87  | 30.39        | 8.48    | 7.70 | 20.1       | 3.53            | 94.8 |
| 1183     | 6/15/2011 23:00 | 11.48  | 46.98  | 30.44        | 8.58    | 7.70 | 14.5       | 3.62            | 95.4 |
| 1184     | 6/15/2011 23:15 | 11.31  | 47.02  | 30.47        | 8.65    | 7.71 | 14.7       | 3.70            | 95.8 |
| 1185     | 6/15/2011 23:30 | 11.23  | 47.03  | 30.47        | 8.68    | 7.71 | 8.6        | 3.77            | 96.0 |
| 1186     | 6/15/2011 23:45 | 11.17  | 47.02  | 30.46        | 8.70    | 7.71 | 9.9        | 3.82            | 96.0 |
| 1187     | 6/16/2011 00:00 | 11.13  | 47.04  | 30.47        | 8.68    | 7.72 | 4.8        | 3.86            | 95.8 |
| 1188     | 6/16/2011 00:15 | 11.13  | 46.71  | 30.23        | 8.56    | 7.71 | 3.6        | 3.88            | 94.3 |
| 1189     | 6/16/2011 00:30 | 11.27  | 46.99  | 30.45        | 8.41    | 7.70 | 8.1        | 3.87            | 93.1 |
| 1190     | 6/16/2011 00:45 | 11.47  | 46.91  | 30.40        | 8.36    | 7.70 | 8.0        | 3.83            | 92.9 |
| 1191     | 6/16/2011 01:00 | 11.31  | 46.53  | 30.12        | 8.43    | 7.70 | 6.6        | 3.79            | 93.1 |
| 1192     | 6/16/2011 01:15 | 11.41  | 46.90  | 30.39        | 8.42    | 7.70 | 8.2        | 3.71            | 93.4 |
| 1193     | 6/16/2011 01:30 | 11.53  | 46.84  | 30.35        | 8.43    | 7.71 | 11.6       | 3.60            | 93.8 |
| 1194     | 6/16/2011 01:45 | 12.07  | 46.79  | 30.34        | 8.27    | 7.72 | 8.4        | 3.50            | 93.0 |
| 1195     | 6/16/2011 02:00 | 12.62  | 46.66  | 30.27        | 8.11    | 7.71 | 11.5       | 3.40            | 92.2 |
| 1196     | 6/16/2011 02:15 | 12.90  | 46.62  | 30.25        | 8.14    | 7.73 | 15.7       | 3.28            | 93.1 |
| 1197     | 6/16/2011 02:30 | 12.96  | 46.50  | 30.16        | 8.13    | 7.72 | 17.4       | 3.13            | 93.0 |
| 1198     | 6/16/2011 02:45 | 12.96  | 46.60  | 30.23        | 8.09    | 7.72 | 14.3       | 3.01            | 92.6 |
| 1199     | 6/16/2011 03:00 | 13.67  | 46.01  | 29.83        | 7.93    | 7.72 | 15.6       | 2.90            | 91.9 |
| 1200     | 6/16/2011 03:15 | 13.96  | 46.37  | 30.10        | 7.86    | 7.72 | 17.5       | 2.76            | 91.7 |
| 1201     | 6/16/2011 03:30 | 14.10  | 46.28  | 30.04        | 7.77    | 7.72 | 18.9       | 2.59            | 90.9 |
| 1202     | 6/16/2011 03:45 | 13.69  | 46.45  | 30.15        | 7.80    | 7.70 | 16.3       | 2.44            | 90.6 |
| 1203     | 6/16/2011 04:00 | 13.90  | 46.38  | 30.11        | 7.73    | 7.70 | 19.8       | 2.31            | 90.2 |
| 1204     | 6/16/2011 04:15 | 13.58  | 46.38  | 30.09        | 7.74    | 7.70 | 19.6       | 2.13            | 89.7 |
| 1205     | 6/16/2011 04:30 | 14.10  | 46.35  | 30.09        | 7.65    | 7.71 | 23.5       | 1.98            | 89.6 |
| 1206     | 6/16/2011 04:45 | 14.23  | 46.26  | 30.02        | 7.60    | 7.71 | 23.8       | 1.82            | 89.1 |
| 1207     | 6/16/2011 05:00 | 14.74  | 46.21  | 30.00        | 7.46    | 7.71 | 26.1       | 1.65            | 88.4 |
| 1208     | 6/16/2011 05:15 | 15.16  | 46.08  | 29.92        | 7.40    | 7.72 | 25.5       | 1.49            | 88.4 |
| 1209     | 6/16/2011 05:30 | 15.49  | 45.66  | 29.62        | 7.37    | 7.73 | 25.5       | 1.30            | 88.4 |
| 1210     | 6/16/2011 05:45 | 15.51  | 45.44  | 29.47        | 7.31    | 7.72 | 28.1       | 1.15            | 87.8 |
| 1211     | 6/16/2011 06:00 | 15.76  | 45.83  | 29.75        | 7.22    | 7.72 | 29.8       | 1.01            | 87.2 |
| 1212     | 6/16/2011 06:15 | 15.89  | 45.84  | 29.76        | 7.12    | 7.72 | 28.1       | 0.87            | 86.2 |
| 1213     | 6/16/2011 06:30 | 15.98  | 45.83  | 29.75        | 7.10    | 7.72 | 17.5       | 0.76            | 86.1 |
| 1214     | 6/16/2011 06:45 | 15.70  | 45.85  | 29.76        | 7.04    | 7.71 | 15.6       | 0.73            | 85.0 |
| 1215     | 6/16/2011 07:00 | 15.97  | 45.42  | 29.46        | 7.14    | 7.73 | 15.4       | 0.72            | 86.5 |
| 1216     | 6/16/2011 07:15 | 16.16  | 45.35  | 29.41        | 7.14    | 7.73 | 13.9       | 0.78            | 86.8 |
| 1217     | 6/16/2011 07:30 | 16.17  | 45.34  | 29.40        | 7.12    | 7.73 | 12.4       | 0.87            | 86.5 |
| 1218     | 6/16/2011 07:45 | 16.23  | 45.44  | 29.47        | 7.07    | 7.73 | 14.3       | 0.97            | 86.1 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                 |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1219     | 6/16/2011 08:00 | 16.25  | 45.45  | 29.48        | 7.06    | 7.73 | 14.3       | 1.07            | 86.0  |
| 1220     | 6/16/2011 08:15 | 16.23  | 45.31  | 29.38        | 7.06    | 7.72 | 15.1       | 1.14            | 85.9  |
| 1221     | 6/16/2011 08:30 | 16.17  | 45.45  | 29.48        | 7.04    | 7.72 | 15.4       | 1.20            | 85.6  |
| 1222     | 6/16/2011 08:45 | 16.20  | 45.07  | 29.21        | 7.00    | 7.71 | 15.6       | 1.28            | 85.0  |
| 1223     | 6/16/2011 09:00 | 16.19  | 45.02  | 29.17        | 7.02    | 7.71 | 15.4       | 1.37            | 85.2  |
| 1224     | 6/16/2011 09:15 | 16.01  | 45.41  | 29.45        | 6.95    | 7.70 | 17.2       | 1.45            | 84.2  |
| 1225     | 6/16/2011 09:30 | 15.92  | 45.21  | 29.30        | 6.92    | 7.70 | 18.4       | 1.54            | 83.7  |
| 1226     | 6/16/2011 09:45 | 15.81  | 45.71  | 29.66        | 7.01    | 7.70 | 18.9       | 1.66            | 84.7  |
| 1227     | 6/16/2011 10:00 | 15.46  | 45.63  | 29.60        | 7.10    | 7.69 | 24.0       | 1.77            | 85.3  |
| 1228     | 6/16/2011 10:15 | 15.29  | 45.91  | 29.80        | 7.22    | 7.70 | 18.3       | 1.89            | 86.5  |
| 1229     | 6/16/2011 10:30 | 15.06  | 45.94  | 29.82        | 7.34    | 7.70 | 21.6       | 2.02            | 87.5  |
| 1230     | 6/16/2011 10:45 | 14.93  | 46.06  | 29.90        | 7.41    | 7.70 | 18.3       | 2.13            | 88.2  |
| 1231     | 6/16/2011 11:00 | 14.89  | 46.13  | 29.95        | 7.46    | 7.71 | 16.4       | 2.26            | 88.7  |
| 1232     | 6/16/2011 11:15 | 14.82  | 46.00  | 29.85        | 7.49    | 7.71 | 18.8       | 2.37            | 88.8  |
| 1233     | 6/16/2011 11:30 | 14.69  | 46.05  | 29.88        | 7.54    | 7.70 | 19.8       | 2.47            | 89.3  |
| 1234     | 6/16/2011 11:45 | 14.58  | 46.16  | 29.97        | 7.60    | 7.70 | 18.6       | 2.58            | 89.8  |
| 1235     | 6/16/2011 12:00 | 14.27  | 46.09  | 29.91        | 7.70    | 7.70 | 26.7       | 2.67            | 90.4  |
| 1236     | 6/16/2011 12:15 | 14.02  | 46.30  | 30.05        | 7.77    | 7.70 | 30.0       | 2.76            | 90.8  |
| 1237     | 6/16/2011 12:30 | 13.49  | 46.34  | 30.07        | 7.96    | 7.70 | 27.8       | 2.84            | 92.1  |
| 1238     | 6/16/2011 12:45 | 13.08  | 46.48  | 30.15        | 8.11    | 7.69 | 26.9       | 2.92            | 93.0  |
| 1239     | 6/16/2011 13:00 | 12.86  | 46.53  | 30.18        | 8.13    | 7.69 | 30.5       | 2.99            | 92.8  |
| 1240     | 6/16/2011 13:15 | 12.70  | 46.53  | 30.17        | 8.15    | 7.69 | 24.8       | 3.06            | 92.7  |
| 1241     | 6/16/2011 13:30 | 12.57  | 46.52  | 30.16        | 8.16    | 7.69 | 19.2       | 3.11            | 92.7  |
| 1242     | 6/16/2011 13:45 | 12.44  | 46.60  | 30.22        | 8.13    | 7.69 | 12.6       | 3.16            | 92.1  |
| 1243     | 6/16/2011 14:00 | 12.37  | 46.64  | 30.24        | 8.10    | 7.68 | 11.4       | 3.20            | 91.6  |
| 1244     | 6/16/2011 14:15 | 12.54  | 46.69  | 30.29        | 8.15    | 7.69 | 11.4       | 3.21            | 92.6  |
| 1245     | 6/16/2011 14:30 | 12.42  | 46.67  | 30.27        | 7.99    | 7.68 | 10.6       | 3.21            | 90.5  |
| 1246     | 6/16/2011 14:45 | 12.45  | 46.50  | 30.15        | 8.01    | 7.68 | 13.1       | 3.19            | 90.7  |
| 1247     | 6/16/2011 15:00 | 12.66  | 46.38  | 30.07        | 8.08    | 7.69 | 17.6       | 3.13            | 91.8  |
| 1248     | 6/16/2011 15:15 | 13.55  | 46.37  | 30.09        | 8.21    | 7.72 | 32.4       | 3.06            | 95.1  |
| 1249     | 6/16/2011 15:30 | 13.67  | 46.52  | 30.20        | 8.37    | 7.73 | 40.1       | 3.00            | 97.2  |
| 1250     | 6/16/2011 15:45 | 13.57  | 46.65  | 30.29        | 8.59    | 7.74 | 33.1       | 2.91            | 99.6  |
| 1251     | 6/16/2011 16:00 | 13.54  | 46.66  | 30.30        | 8.60    | 7.74 | 32.3       | 2.82            | 99.7  |
| 1252     | 6/16/2011 16:15 | 13.88  | 46.55  | 30.23        | 8.49    | 7.74 | 37.0       | 2.74            | 99.1  |
| 1253     | 6/16/2011 16:30 | 14.39  | 46.49  | 30.20        | 8.49    | 7.75 | 32.1       | 2.66            | 100.1 |
| 1254     | 6/16/2011 16:45 | 14.84  | 46.23  | 30.02        | 8.38    | 7.76 | 39.1       | 2.58            | 99.6  |
| 1255     | 6/16/2011 17:00 | 15.29  | 46.30  | 30.08        | 8.10    | 7.74 | 75.5       | 2.50            | 97.2  |
| 1256     | 6/16/2011 17:15 | 15.41  | 46.27  | 30.06        | 8.12    | 7.74 | 58.2       | 2.43            | 97.6  |
| 1257     | 6/16/2011 17:30 | 15.62  | 46.20  | 30.02        | 8.03    | 7.74 | 48.8       | 2.36            | 96.9  |
| 1258     | 6/16/2011 17:45 | 15.57  | 46.10  | 29.94        | 8.21    | 7.75 | 34.9       | 2.30            | 98.9  |
| 1259     | 6/16/2011 18:00 | 15.78  | 46.14  | 29.97        | 8.35    | 7.76 | 33.6       | 2.24            | 101.0 |
| 1260     | 6/16/2011 18:15 | 15.90  | 46.12  | 29.96        | 8.28    | 7.77 | 28.6       | 2.19            | 100.5 |
| 1261     | 6/16/2011 18:30 | 16.14  | 45.88  | 29.79        | 7.96    | 7.74 | 27.4       | 2.17            | 96.9  |
| 1262     | 6/16/2011 18:45 | 16.25  | 45.82  | 29.75        | 7.74    | 7.72 | 28.0       | 2.15            | 94.5  |
| 1263     | 6/16/2011 19:00 | 16.26  | 45.94  | 29.83        | 7.75    | 7.73 | 20.3       | 2.13            | 94.6  |
| 1264     | 6/16/2011 19:15 | 16.26  | 45.98  | 29.87        | 7.74    | 7.73 | 22.4       | 2.15            | 94.6  |
| 1265     | 6/16/2011 19:30 | 16.22  | 45.87  | 29.78        | 7.90    | 7.73 | 20.1       | 2.18            | 96.3  |
| 1266     | 6/16/2011 19:45 | 16.19  | 46.07  | 29.93        | 7.78    | 7.72 | 20.8       | 2.23            | 95.0  |
| 1267     | 6/16/2011 20:00 | 16.27  | 45.56  | 29.56        | 7.76    | 7.72 | 20.3       | 2.28            | 94.6  |
| 1268     | 6/16/2011 20:15 | 16.18  | 45.56  | 29.56        | 7.76    | 7.72 | 24.4       | 2.36            | 94.5  |
| 1269     | 6/16/2011 20:30 | 16.40  | 45.59  | 29.58        | 7.82    | 7.73 | 27.7       | 2.44            | 95.6  |
| 1270     | 6/16/2011 20:45 | 16.19  | 45.76  | 29.70        | 7.74    | 7.72 | 26.0       | 2.51            | 94.3  |
| 1271     | 6/16/2011 21:00 | 16.02  | 45.89  | 29.80        | 7.79    | 7.72 | 24.5       | 2.60            | 94.7  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                 |        | mS/cm  |              | mg/L    |      | NTU        |                 |      |
| 1272     | 6/16/2011 21:15 | 15.41  | 46.26  | 30.05        | 7.88    | 7.72 | 30.3       | 2.68            | 94.7 |
| 1273     | 6/16/2011 21:30 | 14.76  | 46.39  | 30.13        | 7.96    | 7.71 | 28.9       | 2.76            | 94.5 |
| 1274     | 6/16/2011 21:45 | 13.88  | 46.52  | 30.21        | 8.03    | 7.70 | 33.0       | 2.84            | 93.7 |
| 1275     | 6/16/2011 22:00 | 13.57  | 46.61  | 30.26        | 8.04    | 7.69 | 44.6       | 2.94            | 93.3 |
| 1276     | 6/16/2011 22:15 | 13.26  | 46.46  | 30.15        | 8.03    | 7.69 | 25.1       | 3.03            | 92.5 |
| 1277     | 6/16/2011 22:30 | 12.99  | 46.69  | 30.30        | 8.04    | 7.68 | 29.8       | 3.12            | 92.1 |
| 1278     | 6/16/2011 22:45 | 12.33  | 46.87  | 30.41        | 8.05    | 7.66 | 34.9       | 3.22            | 91.0 |
| 1279     | 6/16/2011 23:00 | 11.89  | 46.99  | 30.47        | 7.96    | 7.64 | 22.3       | 3.31            | 89.2 |
| 1280     | 6/16/2011 23:15 | 11.59  | 47.09  | 30.53        | 7.93    | 7.63 | 13.7       | 3.40            | 88.4 |
| 1281     | 6/16/2011 23:30 | 11.36  | 47.18  | 30.58        | 7.89    | 7.62 | 13.7       | 3.50            | 87.5 |
| 1282     | 6/16/2011 23:45 | 11.06  | 47.15  | 30.55        | 7.84    | 7.61 | 10.2       | 3.58            | 86.4 |
| 1283     | 6/17/2011 00:00 | 10.80  | 46.94  | 30.38        | 7.80    | 7.60 | 9.8        | 3.66            | 85.4 |
| 1284     | 6/17/2011 00:15 | 10.68  | 46.99  | 30.41        | 7.73    | 7.60 | 10.1       | 3.72            | 84.4 |
| 1285     | 6/17/2011 00:30 | 10.59  | 47.02  | 30.43        | 7.70    | 7.59 | 8.9        | 3.77            | 84.0 |
| 1286     | 6/17/2011 00:45 | 10.57  | 47.42  | 30.72        | 7.64    | 7.59 | 5.1        | 3.81            | 83.4 |
| 1287     | 6/17/2011 01:00 | 10.56  | 47.31  | 30.63        | 7.54    | 7.59 | 4.8        | 3.83            | 82.3 |
| 1288     | 6/17/2011 01:15 | 10.89  | 47.26  | 30.62        | 7.49    | 7.59 | 4.8        | 3.82            | 82.3 |
| 1289     | 6/17/2011 01:30 | 10.78  | 47.22  | 30.59        | 7.50    | 7.59 | 5.4        | 3.80            | 82.2 |
| 1290     | 6/17/2011 01:45 | 10.70  | 46.92  | 30.37        | 7.56    | 7.59 | 7.5        | 3.75            | 82.6 |
| 1291     | 6/17/2011 02:00 | 11.02  | 46.75  | 30.26        | 7.69    | 7.61 | 8.4        | 3.66            | 84.6 |
| 1292     | 6/17/2011 02:15 | 11.04  | 47.06  | 30.48        | 7.67    | 7.61 | 12.1       | 3.56            | 84.5 |
| 1293     | 6/17/2011 02:30 | 11.68  | 46.88  | 30.38        | 7.68    | 7.64 | 9.9        | 3.47            | 85.7 |
| 1294     | 6/17/2011 02:45 | 12.32  | 46.77  | 30.33        | 7.68    | 7.66 | 11.7       | 3.34            | 86.9 |
| 1295     | 6/17/2011 03:00 | 12.53  | 46.40  | 30.08        | 7.76    | 7.67 | 16.4       | 3.22            | 88.0 |
| 1296     | 6/17/2011 03:15 | 12.58  | 46.18  | 29.92        | 7.76    | 7.66 | 14.9       | 3.09            | 87.9 |
| 1297     | 6/17/2011 03:30 | 13.24  | 46.36  | 30.07        | 7.75    | 7.68 | 17.8       | 2.98            | 89.1 |
| 1298     | 6/17/2011 03:45 | 13.00  | 46.16  | 29.92        | 7.72    | 7.67 | 14.3       | 2.85            | 88.3 |
| 1299     | 6/17/2011 04:00 | 13.58  | 46.07  | 29.87        | 7.64    | 7.68 | 19.0       | 2.71            | 88.5 |
| 1300     | 6/17/2011 04:15 | 13.44  | 46.22  | 29.98        | 7.56    | 7.67 | 13.3       | 2.57            | 87.3 |
| 1301     | 6/17/2011 04:30 | 13.77  | 46.42  | 30.13        | 7.58    | 7.68 | 20.7       | 2.43            | 88.2 |
| 1302     | 6/17/2011 04:45 | 14.26  | 46.25  | 30.02        | 7.50    | 7.69 | 24.7       | 2.27            | 88.1 |
| 1303     | 6/17/2011 05:00 | 13.82  | 45.98  | 29.81        | 7.51    | 7.67 | 23.4       | 2.10            | 87.2 |
| 1304     | 6/17/2011 05:15 | 14.28  | 45.97  | 29.82        | 7.47    | 7.69 | 26.6       | 1.95            | 87.6 |
| 1305     | 6/17/2011 05:30 | 14.64  | 45.78  | 29.69        | 7.41    | 7.69 | 26.7       | 1.81            | 87.6 |
| 1306     | 6/17/2011 05:45 | 14.72  | 46.30  | 30.07        | 7.35    | 7.69 | 25.5       | 1.62            | 87.1 |
| 1307     | 6/17/2011 06:00 | 14.99  | 46.02  | 29.87        | 7.26    | 7.69 | 27.3       | 1.47            | 86.5 |
| 1308     | 6/17/2011 06:15 | 15.21  | 46.02  | 29.88        | 7.30    | 7.70 | 26.1       | 1.31            | 87.3 |
| 1309     | 6/17/2011 06:30 | 15.21  | 46.34  | 30.11        | 7.24    | 7.70 | 21.9       | 1.16            | 86.7 |
| 1310     | 6/17/2011 06:45 | 15.40  | 46.13  | 29.96        | 7.15    | 7.69 | 28.6       | 1.01            | 85.9 |
| 1311     | 6/17/2011 07:00 | 15.65  | 45.91  | 29.80        | 7.06    | 7.70 | 25.8       | 0.88            | 85.1 |
| 1312     | 6/17/2011 07:15 | 15.65  | 45.88  | 29.79        | 7.11    | 7.70 | 22.9       | 0.79            | 85.7 |
| 1313     | 6/17/2011 07:30 | 15.55  | 45.71  | 29.66        | 7.07    | 7.69 | 18.0       | 0.76            | 85.0 |
| 1314     | 6/17/2011 07:45 | 15.94  | 45.86  | 29.78        | 7.08    | 7.71 | 16.3       | 0.80            | 85.9 |
| 1315     | 6/17/2011 08:00 | 16.19  | 46.10  | 29.95        | 7.06    | 7.72 | 15.9       | 0.84            | 86.1 |
| 1316     | 6/17/2011 08:15 | 16.15  | 46.04  | 29.91        | 7.04    | 7.72 | 15.9       | 0.95            | 85.9 |
| 1317     | 6/17/2011 08:30 | 16.16  | 45.92  | 29.82        | 7.04    | 7.72 | 16.1       | 1.04            | 85.7 |
| 1318     | 6/17/2011 08:45 | 16.15  | 45.74  | 29.69        | 7.09    | 7.72 | 14.8       | 1.10            | 86.4 |
| 1319     | 6/17/2011 09:00 | 16.09  | 45.68  | 29.64        | 7.03    | 7.71 | 17.4       | 1.18            | 85.5 |
| 1320     | 6/17/2011 09:15 | 16.04  | 45.60  | 29.59        | 6.98    | 7.70 | 20.3       | 1.24            | 84.7 |
| 1321     | 6/17/2011 09:30 | 16.01  | 45.97  | 29.85        | 6.96    | 7.70 | 18.1       | 1.32            | 84.5 |
| 1322     | 6/17/2011 09:45 | 15.92  | 45.38  | 29.43        | 6.91    | 7.69 | 19.3       | 1.41            | 83.6 |
| 1323     | 6/17/2011 10:00 | 15.85  | 45.47  | 29.49        | 6.88    | 7.69 | 20.1       | 1.49            | 83.2 |
| 1324     | 6/17/2011 10:15 | 15.81  | 45.65  | 29.62        | 6.89    | 7.69 | 19.2       | 1.60            | 83.3 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%    |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|--------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |        |
| 1325     | 6/17/2011 10:30 | 15.66  | 45.84  | 29.75        | 7.03    | 7.69 | 16.5              | 1.71            | 84.8   |
| 1326     | 6/17/2011 10:45 | 15.22  | 46.14  | 29.96        | 7.15    | 7.68 | 19.1              | 1.82            | 85.6   |
| 1327     | 6/17/2011 11:00 | 14.92  | 45.99  | 29.85        | 7.27    | 7.68 | 18.4              | 1.94            | 86.5   |
| 1328     | 6/17/2011 11:15 | 14.85  | 45.89  | 29.78        | 7.34    | 7.68 | 17.7              | 2.06            | 87.1   |
| 1329     | 6/17/2011 11:30 | 14.86  | 45.99  | 29.85        | 7.40    | 7.69 | 17.6              | 2.18            | 87.9   |
| 1330     | 6/17/2011 11:45 | 14.82  | 45.94  | 29.81        | 7.44    | 7.69 | 17.4              | 2.29            | 88.3   |
| 1331     | 6/17/2011 12:00 | 14.76  | 46.28  | 30.05        | 7.52    | 7.69 | 18.3              | 2.41            | 89.2   |
| 1332     | 6/17/2011 12:15 | 14.56  | 45.88  | 29.76        | 7.55    | 7.68 | 21.9              | 2.51            | 89.0   |
| 1333     | 6/17/2011 12:30 | 14.24  | 46.37  | 30.11        | 7.55    | 7.67 | 24.1              | 2.62            | 88.7   |
| 1334     | 6/17/2011 12:45 | 14.02  | 46.19  | 29.97        | 7.61    | 7.67 | 32.5              | 2.70            | 88.9   |
| 1335     | 6/17/2011 13:00 | 13.59  | 46.25  | 30.00        | 7.63    | 7.66 | 28.0              | 2.79            | 88.4   |
| 1336     | 6/17/2011 13:15 | 12.91  | 46.44  | 30.12        | 7.68    | 7.64 | 30.0              | 2.89            | 87.8   |
| 1337     | 6/17/2011 13:30 | 12.54  | 46.55  | 30.18        | 7.72    | 7.64 | 26.9              | 2.95            | 87.6   |
| 1338     | 6/17/2011 13:45 | 12.42  | 46.61  | 30.22        | 7.72    | 7.64 | 27.5              | 3.03            | 87.3   |
| 1339     | 6/17/2011 14:00 | 12.38  | 46.53  | 30.17        | 7.70    | 7.64 | 26.1              | 3.09            | 87.1   |
| 1340     | 6/17/2011 14:15 | 12.25  | 46.68  | 30.27        | 7.69    | 7.64 | 21.7              | 3.15            | 86.8   |
| 1341     | 6/17/2011 14:30 | 12.10  | 46.75  | 30.31        | 7.62    | 7.63 | 13.2              | 3.20            | 85.7   |
| 1342     | 6/17/2011 14:45 | 11.96  | 46.72  | 30.28        | 7.54    | 7.62 | 10.2              | 3.23            | 84.5   |
|          | Mean            | 14.69  | 45.58  | 29.54        | 7.82    | 7.74 | 13.25             | 2.54            | 92.33  |
|          | Minimum         | 10.56  | 43.79  | 28.27        | 6.69    | 7.59 | 0.90              | 0.72            | 73.80  |
|          | Maximum         | 17.55  | 47.42  | 30.72        | 10.11   | 7.97 | 230.80            | 3.96            | 113.40 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 0        | 6/17/2011 15:31 | 11.88  | 50.50  | 33.01        | 7.62    | 7.70 | 11.2              | 3.27            | 86.8  |
| 1        | 6/17/2011 15:46 | 12.25  | 50.11  | 32.75        | 7.56    | 7.74 | 13.9              | 3.21            | 86.6  |
| 2        | 6/17/2011 16:01 | 13.66  | 50.28  | 32.93        | 8.05    | 7.79 | 18.3              | 3.13            | 95.1  |
| 3        | 6/17/2011 16:16 | 13.51  | 50.21  | 32.87        | 8.01    | 7.79 | 15.8              | 3.05            | 94.3  |
| 4        | 6/17/2011 16:31 | 13.97  | 50.03  | 32.76        | 8.04    | 7.81 | 17.1              | 2.99            | 95.4  |
| 5        | 6/17/2011 16:46 | 14.39  | 49.93  | 32.70        | 8.18    | 7.84 | 19.7              | 2.87            | 97.9  |
| 6        | 6/17/2011 17:01 | 14.20  | 49.86  | 32.64        | 8.48    | 7.84 | 17.2              | 2.79            | 101.1 |
| 7        | 6/17/2011 17:16 | 14.42  | 50.07  | 32.80        | 8.69    | 7.87 | 13.2              | 2.72            | 104.2 |
| 8        | 6/17/2011 17:31 | 14.72  | 50.07  | 32.80        | 8.85    | 7.90 | 14.0              | 2.64            | 106.8 |
| 9        | 6/17/2011 17:46 | 14.94  | 50.00  | 32.76        | 9.11    | 7.92 | 11.4              | 2.55            | 110.3 |
| 10       | 6/17/2011 18:01 | 15.27  | 50.03  | 32.79        | 8.83    | 7.91 | 14.1              | 2.48            | 107.7 |
| 11       | 6/17/2011 18:16 | 15.61  | 49.98  | 32.76        | 8.88    | 7.92 | 14.5              | 2.43            | 108.9 |
| 12       | 6/17/2011 18:31 | 15.57  | 49.96  | 32.75        | 9.04    | 7.95 | 13.7              | 2.34            | 110.9 |
| 13       | 6/17/2011 18:46 | 16.13  | 49.82  | 32.66        | 8.90    | 7.94 | 12.9              | 2.30            | 110.2 |
| 14       | 6/17/2011 19:01 | 16.62  | 49.78  | 32.63        | 8.57    | 7.93 | 12.5              | 2.25            | 107.2 |
| 15       | 6/17/2011 19:16 | 16.69  | 49.67  | 32.55        | 8.54    | 7.92 | 11.7              | 2.21            | 106.9 |
| 16       | 6/17/2011 19:31 | 16.75  | 49.67  | 32.55        | 8.58    | 7.92 | 11.7              | 2.20            | 107.5 |
| 17       | 6/17/2011 19:46 | 16.77  | 49.65  | 32.54        | 8.35    | 7.91 | 9.7               | 2.18            | 104.6 |
| 18       | 6/17/2011 20:01 | 16.57  | 49.40  | 32.35        | 8.49    | 7.90 | 10.2              | 2.20            | 105.9 |
| 19       | 6/17/2011 20:16 | 16.45  | 49.75  | 32.61        | 8.40    | 7.90 | 10.9              | 2.22            | 104.8 |
| 20       | 6/17/2011 20:31 | 16.37  | 49.64  | 32.53        | 8.39    | 7.89 | 10.7              | 2.26            | 104.4 |
| 21       | 6/17/2011 20:46 | 16.42  | 49.88  | 32.70        | 8.46    | 7.90 | 11.6              | 2.33            | 105.5 |
| 22       | 6/17/2011 21:01 | 16.19  | 49.42  | 32.36        | 8.33    | 7.88 | 12.4              | 2.39            | 103.1 |
| 23       | 6/17/2011 21:16 | 16.55  | 49.76  | 32.62        | 8.28    | 7.89 | 12.5              | 2.47            | 103.4 |
| 24       | 6/17/2011 21:31 | 16.09  | 49.87  | 32.69        | 8.23    | 7.87 | 14.1              | 2.54            | 101.9 |
| 25       | 6/17/2011 21:46 | 15.78  | 49.95  | 32.74        | 8.23    | 7.87 | 12.5              | 2.63            | 101.4 |
| 26       | 6/17/2011 22:01 | 15.10  | 50.04  | 32.79        | 8.16    | 7.85 | 13.4              | 2.71            | 99.1  |
| 27       | 6/17/2011 22:16 | 14.59  | 50.08  | 32.81        | 8.01    | 7.83 | 15.3              | 2.78            | 96.3  |
| 28       | 6/17/2011 22:31 | 13.94  | 50.14  | 32.84        | 7.86    | 7.81 | 14.0              | 2.87            | 93.4  |
| 29       | 6/17/2011 22:46 | 13.77  | 50.23  | 32.90        | 7.82    | 7.81 | 14.9              | 2.96            | 92.6  |
| 30       | 6/17/2011 23:01 | 13.62  | 50.21  | 32.88        | 7.79    | 7.81 | 11.6              | 3.03            | 92.0  |
| 31       | 6/17/2011 23:16 | 13.12  | 50.13  | 32.80        | 7.72    | 7.79 | 15.0              | 3.12            | 90.1  |
| 32       | 6/17/2011 23:31 | 12.58  | 50.51  | 33.05        | 7.57    | 7.77 | 14.5              | 3.21            | 87.5  |
| 33       | 6/17/2011 23:46 | 12.27  | 50.56  | 33.07        | 7.55    | 7.77 | 15.5              | 3.29            | 86.7  |
| 34       | 6/18/2011 0:01  | 11.81  | 50.85  | 33.26        | 7.43    | 7.75 | 12.4              | 3.37            | 84.6  |
| 35       | 6/18/2011 0:16  | 11.56  | 50.80  | 33.21        | 7.33    | 7.74 | 10.6              | 3.46            | 83.0  |
| 36       | 6/18/2011 0:31  | 11.24  | 50.89  | 33.26        | 7.19    | 7.73 | 10.4              | 3.54            | 80.9  |
| 37       | 6/18/2011 0:46  | 11.00  | 50.98  | 33.32        | 7.07    | 7.72 | 9.3               | 3.61            | 79.2  |
| 38       | 6/18/2011 1:01  | 10.83  | 50.78  | 33.16        | 7.02    | 7.72 | 7.6               | 3.67            | 78.3  |
| 39       | 6/18/2011 1:16  | 10.70  | 51.05  | 33.35        | 7.00    | 7.72 | 6.1               | 3.73            | 78.0  |
| 40       | 6/18/2011 1:31  | 10.66  | 50.82  | 33.18        | 6.96    | 7.72 | 4.7               | 3.76            | 77.4  |
| 41       | 6/18/2011 1:46  | 10.65  | 50.83  | 33.19        | 6.92    | 7.72 | 3.5               | 3.78            | 76.9  |
| 42       | 6/18/2011 2:01  | 11.01  | 50.91  | 33.27        | 6.80    | 7.72 | 2.7               | 3.78            | 76.2  |
| 43       | 6/18/2011 2:16  | 10.81  | 51.05  | 33.35        | 6.79    | 7.71 | 4.0               | 3.76            | 75.7  |
| 44       | 6/18/2011 2:31  | 10.79  | 50.77  | 33.15        | 6.85    | 7.72 | 5.0               | 3.72            | 76.3  |
| 45       | 6/18/2011 2:46  | 11.54  | 50.73  | 33.16        | 7.10    | 7.74 | 6.9               | 3.66            | 80.3  |
| 46       | 6/18/2011 3:01  | 11.60  | 50.72  | 33.16        | 7.19    | 7.74 | 8.1               | 3.57            | 81.4  |
| 47       | 6/18/2011 3:16  | 12.02  | 50.42  | 32.96        | 7.17    | 7.76 | 7.8               | 3.45            | 81.9  |
| 48       | 6/18/2011 3:31  | 12.67  | 50.40  | 32.98        | 7.31    | 7.77 | 8.4               | 3.35            | 84.7  |
| 49       | 6/18/2011 3:46  | 12.64  | 50.71  | 33.20        | 7.41    | 7.78 | 9.5               | 3.25            | 85.9  |
| 50       | 6/18/2011 4:01  | 12.62  | 50.39  | 32.97        | 7.47    | 7.78 | 9.8               | 3.12            | 86.4  |
| 51       | 6/18/2011 4:16  | 13.22  | 50.47  | 33.05        | 7.40    | 7.79 | 10.3              | 2.99            | 86.7  |
| 52       | 6/18/2011 4:31  | 13.23  | 50.43  | 33.02        | 7.37    | 7.78 | 8.9               | 2.87            | 86.4  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 53       | 6/18/2011 4:46  | 14.03  | 50.22  | 32.89        | 7.40    | 7.80 | 11.0              | 2.73            | 88.1 |
| 54       | 6/18/2011 5:01  | 14.57  | 50.20  | 32.90        | 7.53    | 7.82 | 12.9              | 2.60            | 90.5 |
| 55       | 6/18/2011 5:16  | 14.15  | 50.09  | 32.80        | 7.49    | 7.80 | 12.9              | 2.45            | 89.3 |
| 56       | 6/18/2011 5:31  | 14.10  | 50.39  | 33.02        | 7.46    | 7.80 | 14.7              | 2.31            | 89.0 |
| 57       | 6/18/2011 5:46  | 14.08  | 50.36  | 33.00        | 7.31    | 7.78 | 14.8              | 2.16            | 87.2 |
| 58       | 6/18/2011 6:01  | 14.43  | 49.85  | 32.64        | 7.30    | 7.79 | 16.6              | 2.01            | 87.5 |
| 59       | 6/18/2011 6:16  | 14.77  | 49.86  | 32.66        | 7.34    | 7.80 | 18.7              | 1.86            | 88.5 |
| 60       | 6/18/2011 6:31  | 15.12  | 50.01  | 32.77        | 7.40    | 7.81 | 19.6              | 1.70            | 90.0 |
| 61       | 6/18/2011 6:46  | 15.39  | 49.87  | 32.67        | 7.44    | 7.82 | 17.8              | 1.55            | 90.8 |
| 62       | 6/18/2011 7:01  | 15.55  | 49.59  | 32.48        | 7.45    | 7.82 | 16.9              | 1.40            | 91.2 |
| 63       | 6/18/2011 7:16  | 15.83  | 49.90  | 32.70        | 7.41    | 7.83 | 16.8              | 1.26            | 91.3 |
| 64       | 6/18/2011 7:31  | 15.97  | 49.93  | 32.73        | 7.41    | 7.84 | 16.4              | 1.13            | 91.5 |
| 65       | 6/18/2011 7:46  | 16.15  | 49.84  | 32.67        | 7.38    | 7.84 | 16.2              | 1.02            | 91.5 |
| 66       | 6/18/2011 8:01  | 16.56  | 49.82  | 32.66        | 7.33    | 7.86 | 14.8              | 0.97            | 91.6 |
| 67       | 6/18/2011 8:16  | 16.32  | 49.79  | 32.63        | 7.34    | 7.84 | 11.9              | 0.95            | 91.2 |
| 68       | 6/18/2011 8:31  | 16.51  | 49.90  | 32.72        | 7.35    | 7.85 | 10.5              | 0.98            | 91.8 |
| 69       | 6/18/2011 8:46  | 16.65  | 49.90  | 32.72        | 7.36    | 7.85 | 9.8               | 1.06            | 92.1 |
| 70       | 6/18/2011 9:01  | 16.60  | 49.66  | 32.54        | 7.30    | 7.84 | 11.1              | 1.14            | 91.3 |
| 71       | 6/18/2011 9:16  | 16.62  | 49.53  | 32.45        | 7.30    | 7.84 | 12.8              | 1.23            | 91.2 |
| 72       | 6/18/2011 9:31  | 16.69  | 49.50  | 32.42        | 7.31    | 7.84 | 13.2              | 1.31            | 91.4 |
| 73       | 6/18/2011 9:46  | 16.60  | 49.71  | 32.58        | 7.19    | 7.83 | 14.2              | 1.37            | 89.8 |
| 74       | 6/18/2011 10:01 | 16.40  | 49.62  | 32.51        | 7.20    | 7.82 | 12.0              | 1.44            | 89.6 |
| 75       | 6/18/2011 10:16 | 16.31  | 49.75  | 32.60        | 7.12    | 7.81 | 15.9              | 1.53            | 88.5 |
| 76       | 6/18/2011 10:31 | 16.31  | 49.49  | 32.42        | 7.07    | 7.81 | 17.1              | 1.59            | 87.8 |
| 77       | 6/18/2011 10:46 | 16.20  | 49.46  | 32.39        | 7.18    | 7.81 | 15.7              | 1.67            | 88.9 |
| 78       | 6/18/2011 11:01 | 15.99  | 49.64  | 32.52        | 7.19    | 7.81 | 12.8              | 1.79            | 88.7 |
| 79       | 6/18/2011 11:16 | 15.75  | 49.66  | 32.53        | 7.23    | 7.81 | 11.5              | 1.89            | 88.9 |
| 80       | 6/18/2011 11:31 | 15.34  | 49.98  | 32.76        | 7.32    | 7.80 | 11.4              | 1.99            | 89.3 |
| 81       | 6/18/2011 11:46 | 15.26  | 49.68  | 32.54        | 7.39    | 7.80 | 12.1              | 2.10            | 89.9 |
| 82       | 6/18/2011 12:01 | 15.21  | 50.07  | 32.82        | 7.42    | 7.81 | 11.8              | 2.23            | 90.4 |
| 83       | 6/18/2011 12:16 | 15.13  | 49.94  | 32.72        | 7.48    | 7.81 | 12.3              | 2.35            | 90.9 |
| 84       | 6/18/2011 12:31 | 15.09  | 50.01  | 32.77        | 7.51    | 7.81 | 12.6              | 2.45            | 91.2 |
| 85       | 6/18/2011 12:46 | 14.97  | 50.20  | 32.91        | 7.53    | 7.81 | 13.3              | 2.55            | 91.3 |
| 86       | 6/18/2011 13:01 | 14.82  | 50.04  | 32.79        | 7.57    | 7.80 | 13.2              | 2.65            | 91.5 |
| 87       | 6/18/2011 13:16 | 14.58  | 49.84  | 32.64        | 7.54    | 7.80 | 16.7              | 2.74            | 90.6 |
| 88       | 6/18/2011 13:31 | 14.27  | 50.16  | 32.86        | 7.56    | 7.79 | 19.2              | 2.82            | 90.4 |
| 89       | 6/18/2011 13:46 | 14.00  | 50.04  | 32.76        | 7.56    | 7.78 | 19.5              | 2.90            | 89.8 |
| 90       | 6/18/2011 14:01 | 13.23  | 50.47  | 33.05        | 7.41    | 7.76 | 21.7              | 3.00            | 86.8 |
| 91       | 6/18/2011 14:16 | 12.72  | 50.33  | 32.93        | 7.36    | 7.75 | 20.0              | 3.07            | 85.2 |
| 92       | 6/18/2011 14:31 | 12.43  | 50.56  | 33.09        | 7.29    | 7.75 | 20.0              | 3.13            | 84.0 |
| 93       | 6/18/2011 14:46 | 12.31  | 50.71  | 33.18        | 7.29    | 7.75 | 16.0              | 3.20            | 83.8 |
| 94       | 6/18/2011 15:01 | 12.25  | 50.61  | 33.12        | 7.30    | 7.75 | 11.9              | 3.27            | 83.8 |
| 95       | 6/18/2011 15:16 | 12.05  | 50.79  | 33.24        | 7.20    | 7.74 | 9.9               | 3.31            | 82.4 |
| 96       | 6/18/2011 15:31 | 11.97  | 50.69  | 33.15        | 7.14    | 7.74 | 6.3               | 3.33            | 81.6 |
| 97       | 6/18/2011 15:46 | 12.43  | 50.77  | 33.24        | 7.23    | 7.75 | 6.6               | 3.35            | 83.4 |
| 98       | 6/18/2011 16:01 | 11.99  | 50.82  | 33.26        | 6.90    | 7.72 | 4.6               | 3.35            | 78.9 |
| 99       | 6/18/2011 16:16 | 12.03  | 50.83  | 33.26        | 7.01    | 7.73 | 7.8               | 3.30            | 80.2 |
| 100      | 6/18/2011 16:31 | 12.18  | 50.51  | 33.04        | 7.10    | 7.74 | 10.7              | 3.22            | 81.4 |
| 101      | 6/18/2011 16:46 | 13.49  | 50.48  | 33.07        | 7.54    | 7.79 | 12.9              | 3.17            | 88.8 |
| 102      | 6/18/2011 17:01 | 13.26  | 50.21  | 32.86        | 7.63    | 7.79 | 11.5              | 3.09            | 89.3 |
| 103      | 6/18/2011 17:16 | 14.04  | 50.33  | 32.98        | 7.89    | 7.84 | 13.2              | 3.00            | 94.0 |
| 104      | 6/18/2011 17:31 | 14.37  | 50.06  | 32.79        | 8.05    | 7.85 | 12.2              | 2.90            | 96.4 |
| 105      | 6/18/2011 17:46 | 14.41  | 49.90  | 32.67        | 7.95    | 7.83 | 13.6              | 2.83            | 95.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 106      | 6/18/2011 18:01 | 14.68  | 49.94  | 32.71        | 7.96    | 7.83 | 10.3              | 2.75            | 95.9  |
| 107      | 6/18/2011 18:16 | 15.13  | 50.11  | 32.85        | 8.24    | 7.88 | 10.9              | 2.66            | 100.2 |
| 108      | 6/18/2011 18:31 | 15.26  | 49.91  | 32.70        | 8.37    | 7.89 | 10.5              | 2.59            | 101.9 |
| 109      | 6/18/2011 18:46 | 15.11  | 50.17  | 32.89        | 8.49    | 7.90 | 10.8              | 2.52            | 103.2 |
| 110      | 6/18/2011 19:01 | 15.26  | 50.12  | 32.86        | 8.41    | 7.89 | 8.3               | 2.46            | 102.6 |
| 111      | 6/18/2011 19:16 | 15.35  | 50.16  | 32.89        | 8.40    | 7.90 | 8.1               | 2.39            | 102.6 |
| 112      | 6/18/2011 19:31 | 15.26  | 50.06  | 32.82        | 8.43    | 7.89 | 7.6               | 2.32            | 102.8 |
| 113      | 6/18/2011 19:46 | 15.76  | 50.10  | 32.85        | 8.25    | 7.89 | 7.5               | 2.30            | 101.6 |
| 114      | 6/18/2011 20:01 | 15.79  | 50.09  | 32.84        | 8.21    | 7.88 | 6.8               | 2.25            | 101.1 |
| 115      | 6/18/2011 20:16 | 16.16  | 49.73  | 32.59        | 8.11    | 7.88 | 7.0               | 2.21            | 100.5 |
| 116      | 6/18/2011 20:31 | 16.15  | 49.80  | 32.64        | 7.98    | 7.87 | 5.3               | 2.22            | 98.8  |
| 117      | 6/18/2011 20:46 | 16.15  | 49.74  | 32.60        | 8.10    | 7.88 | 7.1               | 2.23            | 100.4 |
| 118      | 6/18/2011 21:01 | 16.01  | 49.86  | 32.68        | 8.15    | 7.88 | 7.0               | 2.24            | 100.8 |
| 119      | 6/18/2011 21:16 | 15.99  | 49.94  | 32.74        | 8.09    | 7.87 | 6.9               | 2.27            | 100.0 |
| 120      | 6/18/2011 21:31 | 16.03  | 49.72  | 32.58        | 8.05    | 7.87 | 6.7               | 2.33            | 99.5  |
| 121      | 6/18/2011 21:46 | 15.95  | 49.97  | 32.76        | 7.99    | 7.86 | 8.7               | 2.40            | 98.8  |
| 122      | 6/18/2011 22:01 | 15.77  | 49.83  | 32.65        | 7.97    | 7.85 | 8.1               | 2.47            | 98.0  |
| 123      | 6/18/2011 22:16 | 15.94  | 49.99  | 32.77        | 7.95    | 7.86 | 8.8               | 2.54            | 98.2  |
| 124      | 6/18/2011 22:31 | 15.68  | 50.01  | 32.79        | 7.96    | 7.85 | 7.9               | 2.61            | 97.8  |
| 125      | 6/18/2011 22:46 | 15.29  | 50.04  | 32.80        | 7.92    | 7.84 | 7.6               | 2.69            | 96.6  |
| 126      | 6/18/2011 23:01 | 14.67  | 50.15  | 32.86        | 7.77    | 7.81 | 7.8               | 2.76            | 93.6  |
| 127      | 6/18/2011 23:16 | 14.38  | 50.01  | 32.75        | 7.71    | 7.80 | 7.7               | 2.83            | 92.3  |
| 128      | 6/18/2011 23:31 | 13.86  | 50.11  | 32.81        | 7.60    | 7.78 | 7.0               | 2.90            | 90.1  |
| 129      | 6/18/2011 23:46 | 13.55  | 50.31  | 32.95        | 7.55    | 7.79 | 6.9               | 2.98            | 88.9  |
| 130      | 6/19/2011 0:01  | 13.43  | 50.36  | 32.97        | 7.54    | 7.79 | 6.9               | 3.05            | 88.7  |
| 131      | 6/19/2011 0:16  | 13.02  | 50.45  | 33.03        | 7.45    | 7.77 | 8.1               | 3.12            | 86.9  |
| 132      | 6/19/2011 0:31  | 12.51  | 50.82  | 33.27        | 7.31    | 7.75 | 8.5               | 3.20            | 84.5  |
| 133      | 6/19/2011 0:46  | 12.19  | 50.64  | 33.13        | 7.33    | 7.75 | 9.9               | 3.29            | 84.1  |
| 134      | 6/19/2011 1:01  | 11.81  | 50.88  | 33.28        | 7.29    | 7.74 | 10.3              | 3.35            | 83.1  |
| 135      | 6/19/2011 1:16  | 11.46  | 50.87  | 33.26        | 7.25    | 7.74 | 8.1               | 3.42            | 82.0  |
| 136      | 6/19/2011 1:31  | 11.26  | 50.66  | 33.10        | 7.22    | 7.73 | 6.9               | 3.49            | 81.2  |
| 137      | 6/19/2011 1:46  | 11.11  | 50.89  | 33.26        | 7.20    | 7.73 | 5.9               | 3.55            | 80.9  |
| 138      | 6/19/2011 2:01  | 11.03  | 50.84  | 33.21        | 7.18    | 7.73 | 5.6               | 3.59            | 80.4  |
| 139      | 6/19/2011 2:16  | 10.94  | 51.05  | 33.37        | 7.15    | 7.73 | 4.0               | 3.62            | 79.9  |
| 140      | 6/19/2011 2:31  | 10.89  | 50.90  | 33.25        | 7.06    | 7.73 | 2.7               | 3.64            | 78.9  |
| 141      | 6/19/2011 2:46  | 11.01  | 50.83  | 33.21        | 6.91    | 7.72 | 2.9               | 3.64            | 77.4  |
| 142      | 6/19/2011 3:01  | 10.92  | 50.84  | 33.21        | 7.00    | 7.72 | 4.3               | 3.62            | 78.3  |
| 143      | 6/19/2011 3:16  | 11.13  | 50.72  | 33.13        | 7.02    | 7.73 | 4.2               | 3.57            | 78.7  |
| 144      | 6/19/2011 3:31  | 11.46  | 50.99  | 33.35        | 7.15    | 7.73 | 6.2               | 3.51            | 80.9  |
| 145      | 6/19/2011 3:46  | 11.65  | 50.88  | 33.28        | 7.28    | 7.74 | 9.2               | 3.43            | 82.6  |
| 146      | 6/19/2011 4:01  | 11.61  | 50.69  | 33.14        | 7.30    | 7.74 | 8.2               | 3.34            | 82.7  |
| 147      | 6/19/2011 4:16  | 12.36  | 50.73  | 33.20        | 7.37    | 7.76 | 11.5              | 3.23            | 84.8  |
| 148      | 6/19/2011 4:31  | 12.98  | 50.62  | 33.15        | 7.31    | 7.77 | 10.1              | 3.14            | 85.3  |
| 149      | 6/19/2011 4:46  | 13.26  | 50.49  | 33.07        | 7.31    | 7.77 | 10.7              | 3.02            | 85.7  |
| 150      | 6/19/2011 5:01  | 13.47  | 50.55  | 33.12        | 7.31    | 7.77 | 10.8              | 2.92            | 86.2  |
| 151      | 6/19/2011 5:16  | 14.13  | 50.15  | 32.85        | 7.29    | 7.78 | 11.5              | 2.80            | 86.9  |
| 152      | 6/19/2011 5:31  | 14.40  | 50.11  | 32.83        | 7.40    | 7.78 | 13.0              | 2.68            | 88.6  |
| 153      | 6/19/2011 5:46  | 14.52  | 50.23  | 32.92        | 7.47    | 7.80 | 12.5              | 2.56            | 89.8  |
| 154      | 6/19/2011 6:01  | 14.53  | 50.09  | 32.82        | 7.41    | 7.79 | 13.5              | 2.42            | 89.0  |
| 155      | 6/19/2011 6:16  | 14.31  | 50.36  | 33.01        | 7.40    | 7.79 | 12.6              | 2.30            | 88.6  |
| 156      | 6/19/2011 6:31  | 14.22  | 50.11  | 32.82        | 7.41    | 7.78 | 13.1              | 2.17            | 88.4  |
| 157      | 6/19/2011 6:46  | 14.50  | 49.94  | 32.71        | 7.43    | 7.79 | 12.9              | 2.02            | 89.1  |
| 158      | 6/19/2011 7:01  | 14.43  | 50.35  | 33.01        | 7.39    | 7.78 | 11.8              | 1.88            | 88.6  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 159      | 6/19/2011 7:16  | 14.74  | 50.00  | 32.76        | 7.41    | 7.79 | 12.1              | 1.74            | 89.4  |
| 160      | 6/19/2011 7:31  | 15.01  | 50.07  | 32.81        | 7.42    | 7.80 | 11.3              | 1.62            | 90.0  |
| 161      | 6/19/2011 7:46  | 15.14  | 50.00  | 32.77        | 7.43    | 7.81 | 9.7               | 1.49            | 90.3  |
| 162      | 6/19/2011 8:01  | 15.32  | 50.08  | 32.83        | 7.43    | 7.82 | 10.1              | 1.37            | 90.7  |
| 163      | 6/19/2011 8:16  | 15.38  | 49.89  | 32.69        | 7.44    | 7.82 | 9.2               | 1.28            | 90.9  |
| 164      | 6/19/2011 8:31  | 15.73  | 49.65  | 32.52        | 7.42    | 7.82 | 9.3               | 1.19            | 91.2  |
| 165      | 6/19/2011 8:46  | 15.80  | 50.01  | 32.79        | 7.36    | 7.83 | 7.2               | 1.14            | 90.6  |
| 166      | 6/19/2011 9:01  | 15.78  | 49.49  | 32.40        | 7.44    | 7.82 | 9.5               | 1.14            | 91.4  |
| 167      | 6/19/2011 9:16  | 15.99  | 49.94  | 32.74        | 7.45    | 7.84 | 8.4               | 1.16            | 92.1  |
| 168      | 6/19/2011 9:31  | 16.22  | 49.96  | 32.76        | 7.45    | 7.85 | 8.2               | 1.22            | 92.5  |
| 169      | 6/19/2011 9:46  | 16.23  | 49.61  | 32.50        | 7.44    | 7.85 | 11.4              | 1.29            | 92.3  |
| 170      | 6/19/2011 10:01 | 16.22  | 49.86  | 32.69        | 7.36    | 7.84 | 11.0              | 1.37            | 91.4  |
| 171      | 6/19/2011 10:16 | 16.21  | 49.95  | 32.75        | 7.36    | 7.84 | 10.9              | 1.42            | 91.4  |
| 172      | 6/19/2011 10:31 | 16.21  | 49.89  | 32.71        | 7.28    | 7.83 | 13.2              | 1.51            | 90.4  |
| 173      | 6/19/2011 10:46 | 16.01  | 49.87  | 32.69        | 7.28    | 7.82 | 13.3              | 1.58            | 90.0  |
| 174      | 6/19/2011 11:01 | 15.94  | 49.73  | 32.58        | 7.20    | 7.81 | 16.7              | 1.66            | 88.8  |
| 175      | 6/19/2011 11:16 | 15.98  | 49.66  | 32.53        | 7.22    | 7.81 | 15.6              | 1.75            | 89.1  |
| 176      | 6/19/2011 11:31 | 15.89  | 49.84  | 32.66        | 7.27    | 7.81 | 12.3              | 1.83            | 89.6  |
| 177      | 6/19/2011 11:46 | 15.66  | 49.89  | 32.70        | 7.27    | 7.81 | 10.8              | 1.92            | 89.3  |
| 178      | 6/19/2011 12:01 | 15.37  | 49.66  | 32.52        | 7.33    | 7.79 | 9.0               | 2.02            | 89.3  |
| 179      | 6/19/2011 12:16 | 15.13  | 49.88  | 32.68        | 7.40    | 7.80 | 9.2               | 2.14            | 89.9  |
| 180      | 6/19/2011 12:31 | 15.03  | 50.09  | 32.83        | 7.44    | 7.80 | 9.1               | 2.23            | 90.2  |
| 181      | 6/19/2011 12:46 | 14.83  | 49.96  | 32.73        | 7.45    | 7.79 | 9.8               | 2.33            | 90.0  |
| 182      | 6/19/2011 13:01 | 14.84  | 49.81  | 32.62        | 7.50    | 7.80 | 8.8               | 2.44            | 90.6  |
| 183      | 6/19/2011 13:16 | 14.72  | 50.13  | 32.85        | 7.47    | 7.79 | 11.0              | 2.54            | 90.1  |
| 184      | 6/19/2011 13:31 | 14.64  | 50.29  | 32.96        | 7.49    | 7.79 | 11.2              | 2.63            | 90.3  |
| 185      | 6/19/2011 13:46 | 14.61  | 50.17  | 32.88        | 7.55    | 7.79 | 10.3              | 2.73            | 90.8  |
| 186      | 6/19/2011 14:01 | 14.33  | 49.81  | 32.61        | 7.56    | 7.78 | 12.9              | 2.82            | 90.3  |
| 187      | 6/19/2011 14:16 | 14.02  | 50.18  | 32.87        | 7.57    | 7.78 | 18.1              | 2.90            | 90.1  |
| 188      | 6/19/2011 14:31 | 13.80  | 50.26  | 32.92        | 7.57    | 7.77 | 16.9              | 2.97            | 89.6  |
| 189      | 6/19/2011 14:46 | 13.28  | 50.39  | 33.00        | 7.52    | 7.76 | 14.6              | 3.05            | 88.2  |
| 190      | 6/19/2011 15:01 | 12.74  | 50.58  | 33.11        | 7.51    | 7.75 | 15.3              | 3.12            | 87.1  |
| 191      | 6/19/2011 15:16 | 12.52  | 50.56  | 33.09        | 7.56    | 7.75 | 13.9              | 3.19            | 87.3  |
| 192      | 6/19/2011 15:31 | 12.34  | 50.53  | 33.06        | 7.58    | 7.75 | 12.5              | 3.24            | 87.2  |
| 193      | 6/19/2011 15:46 | 12.26  | 50.63  | 33.13        | 7.60    | 7.75 | 8.4               | 3.29            | 87.3  |
| 194      | 6/19/2011 16:01 | 12.23  | 50.70  | 33.18        | 7.59    | 7.76 | 5.1               | 3.33            | 87.2  |
| 195      | 6/19/2011 16:16 | 12.19  | 50.48  | 33.01        | 7.52    | 7.75 | 4.3               | 3.35            | 86.2  |
| 196      | 6/19/2011 16:31 | 12.21  | 50.70  | 33.17        | 7.36    | 7.74 | 3.2               | 3.35            | 84.5  |
| 197      | 6/19/2011 16:46 | 12.25  | 50.57  | 33.09        | 7.49    | 7.75 | 5.9               | 3.32            | 86.0  |
| 198      | 6/19/2011 17:01 | 12.48  | 50.64  | 33.14        | 7.56    | 7.76 | 10.4              | 3.28            | 87.2  |
| 199      | 6/19/2011 17:16 | 13.11  | 50.47  | 33.05        | 7.95    | 7.79 | 19.0              | 3.24            | 92.9  |
| 200      | 6/19/2011 17:31 | 13.06  | 50.66  | 33.18        | 8.10    | 7.79 | 21.1              | 3.16            | 94.7  |
| 201      | 6/19/2011 17:46 | 12.93  | 50.59  | 33.13        | 8.16    | 7.80 | 19.5              | 3.08            | 95.1  |
| 202      | 6/19/2011 18:01 | 13.53  | 50.33  | 32.96        | 8.09    | 7.80 | 19.5              | 3.00            | 95.3  |
| 203      | 6/19/2011 18:16 | 13.24  | 50.33  | 32.95        | 8.25    | 7.81 | 18.1              | 2.91            | 96.6  |
| 204      | 6/19/2011 18:31 | 13.95  | 50.44  | 33.05        | 8.16    | 7.82 | 22.4              | 2.84            | 97.1  |
| 205      | 6/19/2011 18:46 | 14.05  | 50.33  | 32.98        | 8.34    | 7.83 | 19.6              | 2.76            | 99.4  |
| 206      | 6/19/2011 19:01 | 14.78  | 50.38  | 33.03        | 8.21    | 7.83 | 26.2              | 2.69            | 99.3  |
| 207      | 6/19/2011 19:16 | 14.93  | 50.08  | 32.82        | 8.20    | 7.84 | 25.5              | 2.61            | 99.4  |
| 208      | 6/19/2011 19:31 | 14.84  | 50.06  | 32.80        | 8.32    | 7.84 | 22.3              | 2.55            | 100.5 |
| 209      | 6/19/2011 19:46 | 15.27  | 50.14  | 32.87        | 8.14    | 7.84 | 25.6              | 2.49            | 99.3  |
| 210      | 6/19/2011 20:01 | 15.01  | 50.02  | 32.78        | 8.27    | 7.85 | 20.6              | 2.42            | 100.3 |
| 211      | 6/19/2011 20:16 | 15.25  | 49.94  | 32.72        | 8.25    | 7.85 | 20.2              | 2.35            | 100.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 212      | 6/19/2011 20:31 | 15.70  | 50.14  | 32.88        | 7.96    | 7.84 | 24.5              | 2.32            | 97.9 |
| 213      | 6/19/2011 20:46 | 15.80  | 49.84  | 32.66        | 7.92    | 7.84 | 22.8              | 2.27            | 97.5 |
| 214      | 6/19/2011 21:01 | 16.02  | 49.92  | 32.73        | 7.84    | 7.84 | 22.5              | 2.24            | 96.9 |
| 215      | 6/19/2011 21:16 | 16.19  | 49.86  | 32.68        | 7.73    | 7.84 | 16.7              | 2.22            | 96.0 |
| 216      | 6/19/2011 21:31 | 16.32  | 49.98  | 32.77        | 7.76    | 7.84 | 20.6              | 2.23            | 96.6 |
| 217      | 6/19/2011 21:46 | 16.35  | 50.06  | 32.83        | 7.64    | 7.83 | 16.8              | 2.25            | 95.2 |
| 218      | 6/19/2011 22:01 | 16.31  | 49.85  | 32.68        | 7.75    | 7.83 | 17.9              | 2.27            | 96.3 |
| 219      | 6/19/2011 22:16 | 16.42  | 49.91  | 32.73        | 7.74    | 7.84 | 17.5              | 2.31            | 96.4 |
| 220      | 6/19/2011 22:31 | 16.31  | 49.89  | 32.71        | 7.67    | 7.83 | 19.5              | 2.36            | 95.4 |
| 221      | 6/19/2011 22:46 | 16.03  | 49.93  | 32.73        | 7.69    | 7.82 | 18.7              | 2.43            | 95.1 |
| 222      | 6/19/2011 23:01 | 16.66  | 49.87  | 32.70        | 7.80    | 7.86 | 17.9              | 2.49            | 97.7 |
| 223      | 6/19/2011 23:16 | 16.32  | 49.71  | 32.57        | 7.72    | 7.83 | 15.6              | 2.56            | 96.0 |
| 224      | 6/19/2011 23:31 | 16.03  | 49.89  | 32.70        | 7.74    | 7.82 | 18.1              | 2.62            | 95.8 |
| 225      | 6/19/2011 23:46 | 15.84  | 49.93  | 32.73        | 7.79    | 7.82 | 15.0              | 2.69            | 96.0 |
| 226      | 6/20/2011 0:01  | 15.32  | 49.84  | 32.65        | 7.82    | 7.81 | 15.0              | 2.75            | 95.3 |
| 227      | 6/20/2011 0:16  | 14.74  | 50.37  | 33.03        | 7.79    | 7.80 | 16.1              | 2.81            | 94.1 |
| 228      | 6/20/2011 0:31  | 14.01  | 50.25  | 32.92        | 7.77    | 7.79 | 15.4              | 2.88            | 92.5 |
| 229      | 6/20/2011 0:46  | 13.73  | 50.32  | 32.96        | 7.77    | 7.78 | 13.1              | 2.94            | 91.9 |
| 230      | 6/20/2011 1:01  | 13.66  | 50.20  | 32.87        | 7.77    | 7.79 | 11.2              | 3.00            | 91.7 |
| 231      | 6/20/2011 1:16  | 13.45  | 50.31  | 32.95        | 7.75    | 7.78 | 12.0              | 3.07            | 91.2 |
| 232      | 6/20/2011 1:31  | 13.04  | 50.77  | 33.26        | 7.73    | 7.77 | 12.6              | 3.14            | 90.3 |
| 233      | 6/20/2011 1:46  | 12.72  | 50.57  | 33.11        | 7.74    | 7.77 | 13.6              | 3.20            | 89.8 |
| 234      | 6/20/2011 2:01  | 12.51  | 50.71  | 33.20        | 7.69    | 7.77 | 12.6              | 3.26            | 88.9 |
| 235      | 6/20/2011 2:16  | 12.35  | 50.53  | 33.06        | 7.69    | 7.76 | 10.4              | 3.32            | 88.5 |
| 236      | 6/20/2011 2:31  | 12.13  | 50.68  | 33.16        | 7.75    | 7.77 | 8.5               | 3.37            | 88.9 |
| 237      | 6/20/2011 2:46  | 11.97  | 50.67  | 33.14        | 7.78    | 7.77 | 7.3               | 3.41            | 88.9 |
| 238      | 6/20/2011 3:01  | 11.88  | 50.76  | 33.20        | 7.76    | 7.77 | 6.2               | 3.45            | 88.5 |
| 239      | 6/20/2011 3:16  | 11.83  | 50.72  | 33.17        | 7.68    | 7.76 | 3.8               | 3.46            | 87.5 |
| 240      | 6/20/2011 3:31  | 12.16  | 50.90  | 33.32        | 7.54    | 7.76 | 5.2               | 3.46            | 86.5 |
| 241      | 6/20/2011 3:46  | 11.93  | 50.77  | 33.21        | 7.56    | 7.75 | 4.6               | 3.45            | 86.3 |
| 242      | 6/20/2011 4:01  | 11.92  | 50.59  | 33.08        | 7.60    | 7.75 | 5.1               | 3.41            | 86.7 |
| 243      | 6/20/2011 4:16  | 12.06  | 50.67  | 33.15        | 7.59    | 7.76 | 7.2               | 3.35            | 86.8 |
| 244      | 6/20/2011 4:31  | 12.94  | 50.67  | 33.19        | 7.59    | 7.77 | 9.3               | 3.27            | 88.5 |
| 245      | 6/20/2011 4:46  | 12.93  | 50.34  | 32.94        | 7.62    | 7.77 | 8.8               | 3.20            | 88.7 |
| 246      | 6/20/2011 5:01  | 13.64  | 50.41  | 33.02        | 7.44    | 7.78 | 11.7              | 3.10            | 87.9 |
| 247      | 6/20/2011 5:16  | 13.83  | 50.26  | 32.92        | 7.38    | 7.77 | 12.1              | 3.01            | 87.5 |
| 248      | 6/20/2011 5:31  | 14.10  | 50.25  | 32.92        | 7.33    | 7.77 | 12.6              | 2.91            | 87.3 |
| 249      | 6/20/2011 5:46  | 14.38  | 50.25  | 32.93        | 7.26    | 7.77 | 14.2              | 2.82            | 87.0 |
| 250      | 6/20/2011 6:01  | 14.51  | 50.01  | 32.76        | 7.22    | 7.76 | 14.5              | 2.72            | 86.7 |
| 251      | 6/20/2011 6:16  | 14.74  | 50.09  | 32.82        | 7.16    | 7.76 | 13.6              | 2.60            | 86.4 |
| 252      | 6/20/2011 6:31  | 14.21  | 50.26  | 32.93        | 7.32    | 7.76 | 18.3              | 2.49            | 87.4 |
| 253      | 6/20/2011 6:46  | 14.80  | 50.15  | 32.86        | 7.28    | 7.78 | 14.8              | 2.38            | 87.9 |
| 254      | 6/20/2011 7:01  | 14.29  | 50.12  | 32.83        | 7.34    | 7.76 | 14.8              | 2.27            | 87.8 |
| 255      | 6/20/2011 7:16  | 14.66  | 50.48  | 33.11        | 7.32    | 7.77 | 17.6              | 2.13            | 88.3 |
| 256      | 6/20/2011 7:31  | 15.00  | 50.23  | 32.93        | 7.31    | 7.78 | 18.7              | 2.01            | 88.7 |
| 257      | 6/20/2011 7:46  | 15.14  | 50.32  | 33.00        | 7.28    | 7.78 | 15.7              | 1.90            | 88.6 |
| 258      | 6/20/2011 8:01  | 15.26  | 50.23  | 32.93        | 7.30    | 7.79 | 15.3              | 1.78            | 89.0 |
| 259      | 6/20/2011 8:16  | 15.39  | 50.24  | 32.95        | 7.30    | 7.79 | 14.5              | 1.67            | 89.2 |
| 260      | 6/20/2011 8:31  | 15.74  | 50.19  | 32.92        | 7.24    | 7.80 | 13.5              | 1.57            | 89.1 |
| 261      | 6/20/2011 8:46  | 16.02  | 49.84  | 32.67        | 7.20    | 7.80 | 12.3              | 1.49            | 89.0 |
| 262      | 6/20/2011 9:01  | 16.27  | 49.95  | 32.75        | 7.14    | 7.81 | 11.3              | 1.42            | 88.8 |
| 263      | 6/20/2011 9:16  | 16.62  | 49.89  | 32.71        | 7.05    | 7.82 | 11.0              | 1.37            | 88.3 |
| 264      | 6/20/2011 9:31  | 16.80  | 49.85  | 32.69        | 6.89    | 7.81 | 8.9               | 1.37            | 86.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 265      | 6/20/2011 9:46  | 16.76  | 50.13  | 32.89        | 6.74    | 7.82 | 8.5               | 1.34            | 84.6  |
| 266      | 6/20/2011 10:01 | 16.74  | 49.93  | 32.74        | 7.11    | 7.82 | 9.9               | 1.38            | 89.2  |
| 267      | 6/20/2011 10:16 | 16.62  | 49.91  | 32.73        | 7.12    | 7.82 | 10.8              | 1.42            | 89.1  |
| 268      | 6/20/2011 10:31 | 16.58  | 50.01  | 32.80        | 7.08    | 7.82 | 11.1              | 1.48            | 88.6  |
| 269      | 6/20/2011 10:46 | 16.53  | 49.99  | 32.78        | 7.01    | 7.81 | 12.6              | 1.53            | 87.6  |
| 270      | 6/20/2011 11:01 | 16.41  | 49.84  | 32.67        | 7.00    | 7.80 | 13.6              | 1.61            | 87.2  |
| 271      | 6/20/2011 11:16 | 16.47  | 49.77  | 32.62        | 6.99    | 7.81 | 14.5              | 1.70            | 87.2  |
| 272      | 6/20/2011 11:31 | 16.31  | 49.71  | 32.58        | 6.94    | 7.79 | 14.8              | 1.76            | 86.3  |
| 273      | 6/20/2011 11:46 | 16.25  | 49.94  | 32.74        | 6.88    | 7.79 | 14.8              | 1.84            | 85.5  |
| 274      | 6/20/2011 12:01 | 16.23  | 49.62  | 32.51        | 6.90    | 7.79 | 15.1              | 1.92            | 85.6  |
| 275      | 6/20/2011 12:16 | 16.06  | 49.95  | 32.75        | 6.99    | 7.79 | 12.9              | 2.01            | 86.5  |
| 276      | 6/20/2011 12:31 | 15.70  | 50.14  | 32.88        | 7.06    | 7.78 | 11.0              | 2.10            | 86.9  |
| 277      | 6/20/2011 12:46 | 15.37  | 49.77  | 32.60        | 7.18    | 7.78 | 10.5              | 2.17            | 87.6  |
| 278      | 6/20/2011 13:01 | 15.14  | 49.84  | 32.65        | 7.28    | 7.78 | 9.8               | 2.28            | 88.4  |
| 279      | 6/20/2011 13:16 | 15.08  | 50.21  | 32.92        | 7.39    | 7.79 | 9.8               | 2.38            | 89.8  |
| 280      | 6/20/2011 13:31 | 14.86  | 50.10  | 32.83        | 7.39    | 7.78 | 10.3              | 2.45            | 89.4  |
| 281      | 6/20/2011 13:46 | 14.89  | 50.29  | 32.97        | 7.44    | 7.79 | 9.5               | 2.55            | 90.1  |
| 282      | 6/20/2011 14:01 | 14.74  | 50.01  | 32.77        | 7.45    | 7.78 | 12.7              | 2.64            | 89.8  |
| 283      | 6/20/2011 14:16 | 14.59  | 50.07  | 32.80        | 7.47    | 7.78 | 13.7              | 2.72            | 89.8  |
| 284      | 6/20/2011 14:31 | 14.53  | 50.28  | 32.96        | 7.53    | 7.78 | 14.9              | 2.81            | 90.5  |
| 285      | 6/20/2011 14:46 | 14.25  | 50.02  | 32.76        | 7.65    | 7.77 | 19.2              | 2.88            | 91.3  |
| 286      | 6/20/2011 15:01 | 13.98  | 50.38  | 33.01        | 7.70    | 7.78 | 17.2              | 2.96            | 91.6  |
| 287      | 6/20/2011 15:16 | 13.77  | 50.48  | 33.07        | 7.73    | 7.77 | 16.5              | 3.04            | 91.6  |
| 288      | 6/20/2011 15:31 | 13.15  | 50.38  | 32.98        | 7.67    | 7.76 | 18.3              | 3.11            | 89.7  |
| 289      | 6/20/2011 15:46 | 12.78  | 50.43  | 33.00        | 7.73    | 7.76 | 16.0              | 3.17            | 89.8  |
| 290      | 6/20/2011 16:01 | 12.49  | 50.59  | 33.11        | 7.90    | 7.77 | 13.1              | 3.24            | 91.2  |
| 291      | 6/20/2011 16:16 | 12.38  | 50.78  | 33.24        | 7.93    | 7.78 | 10.6              | 3.29            | 91.4  |
| 292      | 6/20/2011 16:31 | 12.37  | 50.60  | 33.11        | 7.94    | 7.78 | 7.4               | 3.33            | 91.5  |
| 293      | 6/20/2011 16:46 | 12.38  | 50.69  | 33.18        | 7.88    | 7.78 | 4.7               | 3.35            | 90.8  |
| 294      | 6/20/2011 17:01 | 12.62  | 50.73  | 33.21        | 7.88    | 7.78 | 6.3               | 3.37            | 91.3  |
| 295      | 6/20/2011 17:16 | 12.42  | 50.52  | 33.05        | 7.72    | 7.77 | 5.9               | 3.35            | 89.0  |
| 296      | 6/20/2011 17:31 | 12.46  | 50.91  | 33.34        | 7.76    | 7.77 | 6.0               | 3.32            | 89.7  |
| 297      | 6/20/2011 17:46 | 12.90  | 50.59  | 33.12        | 7.89    | 7.79 | 8.4               | 3.27            | 91.8  |
| 298      | 6/20/2011 18:01 | 13.88  | 50.31  | 32.95        | 8.08    | 7.82 | 9.8               | 3.21            | 95.9  |
| 299      | 6/20/2011 18:16 | 14.11  | 50.46  | 33.07        | 8.14    | 7.81 | 15.5              | 3.15            | 97.1  |
| 300      | 6/20/2011 18:31 | 14.08  | 50.35  | 32.99        | 8.22    | 7.82 | 17.3              | 3.06            | 98.0  |
| 301      | 6/20/2011 18:46 | 14.20  | 50.59  | 33.17        | 8.27    | 7.83 | 16.4              | 2.99            | 98.9  |
| 302      | 6/20/2011 19:01 | 14.28  | 50.53  | 33.13        | 8.43    | 7.84 | 15.1              | 2.90            | 101.0 |
| 303      | 6/20/2011 19:16 | 14.47  | 50.51  | 33.12        | 8.52    | 7.86 | 14.5              | 2.82            | 102.4 |
| 304      | 6/20/2011 19:31 | 14.44  | 50.47  | 33.09        | 8.63    | 7.87 | 13.9              | 2.76            | 103.7 |
| 305      | 6/20/2011 19:46 | 14.77  | 50.10  | 32.83        | 8.81    | 7.90 | 12.1              | 2.69            | 106.3 |
| 306      | 6/20/2011 20:01 | 14.92  | 49.96  | 32.73        | 8.65    | 7.89 | 15.6              | 2.62            | 104.6 |
| 307      | 6/20/2011 20:16 | 15.14  | 50.06  | 32.81        | 8.57    | 7.89 | 16.0              | 2.56            | 104.2 |
| 308      | 6/20/2011 20:31 | 15.40  | 50.44  | 33.10        | 8.46    | 7.88 | 14.2              | 2.48            | 103.6 |
| 309      | 6/20/2011 20:46 | 15.64  | 50.30  | 33.00        | 8.41    | 7.88 | 12.2              | 2.43            | 103.4 |
| 310      | 6/20/2011 21:01 | 16.32  | 50.15  | 32.90        | 8.09    | 7.87 | 13.7              | 2.38            | 100.8 |
| 311      | 6/20/2011 21:16 | 16.50  | 49.99  | 32.79        | 8.05    | 7.88 | 12.2              | 2.33            | 100.6 |
| 312      | 6/20/2011 21:31 | 16.24  | 49.74  | 32.60        | 8.13    | 7.87 | 10.9              | 2.28            | 100.9 |
| 313      | 6/20/2011 21:46 | 16.74  | 50.18  | 32.93        | 7.96    | 7.88 | 11.0              | 2.25            | 99.9  |
| 314      | 6/20/2011 22:01 | 16.89  | 50.10  | 32.87        | 7.87    | 7.87 | 8.8               | 2.23            | 99.0  |
| 315      | 6/20/2011 22:16 | 17.02  | 50.07  | 32.85        | 7.93    | 7.88 | 11.1              | 2.22            | 100.1 |
| 316      | 6/20/2011 22:31 | 16.97  | 49.89  | 32.72        | 7.79    | 7.87 | 11.3              | 2.22            | 98.1  |
| 317      | 6/20/2011 22:46 | 16.57  | 49.90  | 32.72        | 7.84    | 7.85 | 11.6              | 2.24            | 98.1  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 318      | 6/20/2011 23:01 | 16.61  | 49.85  | 32.68        | 7.95    | 7.86 | 10.6              | 2.27            | 99.4 |
| 319      | 6/20/2011 23:16 | 16.59  | 49.93  | 32.74        | 7.93    | 7.86 | 11.1              | 2.30            | 99.2 |
| 320      | 6/20/2011 23:31 | 16.64  | 50.06  | 32.84        | 7.91    | 7.86 | 12.2              | 2.35            | 99.1 |
| 321      | 6/20/2011 23:46 | 16.82  | 50.18  | 32.93        | 7.89    | 7.87 | 12.0              | 2.40            | 99.3 |
| 322      | 6/21/2011 0:01  | 16.79  | 49.89  | 32.72        | 7.86    | 7.87 | 12.0              | 2.46            | 98.7 |
| 323      | 6/21/2011 0:16  | 16.52  | 50.10  | 32.86        | 7.86    | 7.86 | 13.6              | 2.51            | 98.3 |
| 324      | 6/21/2011 0:31  | 16.28  | 49.85  | 32.68        | 7.92    | 7.85 | 12.5              | 2.57            | 98.5 |
| 325      | 6/21/2011 0:46  | 15.80  | 50.17  | 32.90        | 7.94    | 7.84 | 12.4              | 2.63            | 97.9 |
| 326      | 6/21/2011 1:01  | 15.46  | 50.25  | 32.95        | 7.89    | 7.83 | 8.7               | 2.69            | 96.7 |
| 327      | 6/21/2011 1:16  | 14.91  | 50.31  | 32.99        | 7.90    | 7.82 | 8.1               | 2.75            | 95.7 |
| 328      | 6/21/2011 1:31  | 14.55  | 50.11  | 32.83        | 7.89    | 7.81 | 7.2               | 2.79            | 94.8 |
| 329      | 6/21/2011 1:46  | 14.43  | 50.14  | 32.85        | 7.86    | 7.81 | 6.5               | 2.85            | 94.3 |
| 330      | 6/21/2011 2:01  | 14.13  | 50.40  | 33.03        | 7.87    | 7.81 | 6.2               | 2.91            | 94.0 |
| 331      | 6/21/2011 2:16  | 14.01  | 50.46  | 33.07        | 7.86    | 7.80 | 5.6               | 2.96            | 93.6 |
| 332      | 6/21/2011 2:31  | 13.90  | 50.38  | 33.01        | 7.84    | 7.80 | 5.9               | 3.01            | 93.1 |
| 333      | 6/21/2011 2:46  | 13.55  | 50.49  | 33.07        | 7.78    | 7.79 | 6.2               | 3.06            | 91.8 |
| 334      | 6/21/2011 3:01  | 13.25  | 50.61  | 33.15        | 7.78    | 7.78 | 5.9               | 3.12            | 91.2 |
| 335      | 6/21/2011 3:16  | 13.11  | 50.69  | 33.20        | 7.73    | 7.78 | 5.7               | 3.15            | 90.4 |
| 336      | 6/21/2011 3:31  | 12.93  | 50.66  | 33.18        | 7.66    | 7.77 | 4.9               | 3.19            | 89.3 |
| 337      | 6/21/2011 3:46  | 12.88  | 50.59  | 33.12        | 7.59    | 7.77 | 5.2               | 3.22            | 88.3 |
| 338      | 6/21/2011 4:01  | 12.76  | 50.55  | 33.09        | 7.52    | 7.76 | 4.0               | 3.23            | 87.3 |
| 339      | 6/21/2011 4:16  | 12.97  | 50.86  | 33.32        | 7.48    | 7.76 | 4.2               | 3.23            | 87.3 |
| 340      | 6/21/2011 4:31  | 12.86  | 50.52  | 33.07        | 7.38    | 7.76 | 2.9               | 3.22            | 85.8 |
| 341      | 6/21/2011 4:46  | 12.80  | 50.56  | 33.10        | 7.37    | 7.76 | 2.8               | 3.19            | 85.6 |
| 342      | 6/21/2011 5:01  | 13.16  | 50.96  | 33.40        | 7.43    | 7.77 | 3.9               | 3.15            | 87.2 |
| 343      | 6/21/2011 5:16  | 14.35  | 50.35  | 33.00        | 7.22    | 7.78 | 7.3               | 3.08            | 86.5 |
| 344      | 6/21/2011 5:31  | 14.23  | 50.31  | 32.97        | 7.45    | 7.78 | 6.3               | 3.02            | 89.0 |
| 345      | 6/21/2011 5:46  | 14.62  | 50.26  | 32.95        | 7.41    | 7.79 | 7.7               | 2.95            | 89.2 |
| 346      | 6/21/2011 6:01  | 14.40  | 50.34  | 32.99        | 7.44    | 7.79 | 7.1               | 2.87            | 89.2 |
| 347      | 6/21/2011 6:16  | 14.69  | 50.28  | 32.96        | 7.35    | 7.79 | 9.2               | 2.78            | 88.7 |
| 348      | 6/21/2011 6:31  | 14.99  | 50.24  | 32.94        | 7.17    | 7.78 | 8.0               | 2.70            | 87.0 |
| 349      | 6/21/2011 6:46  | 15.22  | 50.34  | 33.02        | 7.06    | 7.77 | 7.9               | 2.62            | 86.0 |
| 350      | 6/21/2011 7:01  | 15.35  | 49.94  | 32.72        | 6.98    | 7.77 | 7.9               | 2.52            | 85.2 |
| 351      | 6/21/2011 7:16  | 15.41  | 50.23  | 32.94        | 6.90    | 7.77 | 8.0               | 2.43            | 84.4 |
| 352      | 6/21/2011 7:31  | 15.49  | 49.94  | 32.73        | 7.01    | 7.78 | 9.6               | 2.33            | 85.8 |
| 353      | 6/21/2011 7:46  | 15.61  | 49.99  | 32.77        | 7.13    | 7.78 | 9.8               | 2.25            | 87.5 |
| 354      | 6/21/2011 8:01  | 15.56  | 50.01  | 32.78        | 7.19    | 7.78 | 9.0               | 2.13            | 88.1 |
| 355      | 6/21/2011 8:16  | 15.91  | 49.99  | 32.77        | 7.22    | 7.81 | 9.0               | 2.04            | 89.1 |
| 356      | 6/21/2011 8:31  | 15.95  | 50.14  | 32.88        | 7.28    | 7.81 | 7.6               | 1.95            | 90.0 |
| 357      | 6/21/2011 8:46  | 16.44  | 49.91  | 32.72        | 7.22    | 7.83 | 7.8               | 1.85            | 90.0 |
| 358      | 6/21/2011 9:01  | 16.57  | 49.92  | 32.73        | 7.28    | 7.84 | 7.7               | 1.77            | 91.0 |
| 359      | 6/21/2011 9:16  | 16.75  | 50.15  | 32.90        | 7.27    | 7.85 | 8.2               | 1.70            | 91.3 |
| 360      | 6/21/2011 9:31  | 16.79  | 50.13  | 32.89        | 7.25    | 7.84 | 6.7               | 1.64            | 91.0 |
| 361      | 6/21/2011 9:46  | 16.89  | 49.79  | 32.64        | 7.29    | 7.84 | 7.6               | 1.60            | 91.7 |
| 362      | 6/21/2011 10:01 | 16.95  | 50.19  | 32.93        | 7.25    | 7.85 | 7.6               | 1.56            | 91.4 |
| 363      | 6/21/2011 10:16 | 17.02  | 49.85  | 32.68        | 7.29    | 7.86 | 7.3               | 1.55            | 91.9 |
| 364      | 6/21/2011 10:31 | 16.97  | 50.14  | 32.90        | 7.29    | 7.85 | 7.2               | 1.57            | 92.0 |
| 365      | 6/21/2011 10:46 | 16.90  | 49.84  | 32.68        | 7.29    | 7.84 | 8.1               | 1.56            | 91.7 |
| 366      | 6/21/2011 11:01 | 16.87  | 50.12  | 32.88        | 7.24    | 7.84 | 9.2               | 1.61            | 91.2 |
| 367      | 6/21/2011 11:16 | 16.87  | 49.78  | 32.63        | 7.25    | 7.84 | 10.4              | 1.66            | 91.1 |
| 368      | 6/21/2011 11:31 | 16.91  | 50.17  | 32.92        | 7.28    | 7.85 | 9.5               | 1.72            | 91.7 |
| 369      | 6/21/2011 11:46 | 16.81  | 50.16  | 32.91        | 7.18    | 7.83 | 10.8              | 1.78            | 90.3 |
| 370      | 6/21/2011 12:01 | 17.00  | 49.99  | 32.79        | 7.13    | 7.84 | 11.8              | 1.84            | 89.9 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 371      | 6/21/2011 12:16 | 16.79  | 49.89  | 32.71        | 7.07    | 7.82 | 11.2              | 1.92            | 88.7  |
| 372      | 6/21/2011 12:31 | 16.75  | 49.95  | 32.76        | 7.00    | 7.82 | 11.3              | 1.99            | 87.8  |
| 373      | 6/21/2011 12:46 | 16.69  | 49.95  | 32.76        | 7.01    | 7.81 | 11.2              | 2.06            | 87.8  |
| 374      | 6/21/2011 13:01 | 16.47  | 49.68  | 32.55        | 7.07    | 7.80 | 9.3               | 2.14            | 88.1  |
| 375      | 6/21/2011 13:16 | 16.12  | 50.02  | 32.80        | 7.13    | 7.80 | 8.1               | 2.23            | 88.4  |
| 376      | 6/21/2011 13:31 | 15.90  | 50.05  | 32.82        | 7.20    | 7.80 | 7.6               | 2.31            | 88.9  |
| 377      | 6/21/2011 13:46 | 15.55  | 50.13  | 32.87        | 7.38    | 7.80 | 7.1               | 2.39            | 90.5  |
| 378      | 6/21/2011 14:01 | 15.41  | 50.05  | 32.81        | 7.46    | 7.80 | 7.0               | 2.48            | 91.2  |
| 379      | 6/21/2011 14:16 | 15.38  | 50.21  | 32.92        | 7.53    | 7.80 | 7.0               | 2.56            | 92.1  |
| 380      | 6/21/2011 14:31 | 15.32  | 49.78  | 32.61        | 7.58    | 7.80 | 7.6               | 2.64            | 92.4  |
| 381      | 6/21/2011 14:46 | 15.08  | 50.21  | 32.91        | 7.54    | 7.80 | 8.1               | 2.72            | 91.6  |
| 382      | 6/21/2011 15:01 | 14.98  | 50.37  | 33.03        | 7.54    | 7.79 | 7.8               | 2.80            | 91.6  |
| 383      | 6/21/2011 15:16 | 14.75  | 50.00  | 32.76        | 7.52    | 7.79 | 9.6               | 2.87            | 90.7  |
| 384      | 6/21/2011 15:31 | 14.32  | 50.23  | 32.91        | 7.58    | 7.78 | 11.7              | 2.95            | 90.7  |
| 385      | 6/21/2011 15:46 | 14.16  | 50.31  | 32.96        | 7.63    | 7.78 | 12.0              | 3.02            | 91.1  |
| 386      | 6/21/2011 16:01 | 13.91  | 50.14  | 32.83        | 7.68    | 7.77 | 11.0              | 3.09            | 91.1  |
| 387      | 6/21/2011 16:16 | 13.62  | 50.54  | 33.12        | 7.61    | 7.77 | 9.8               | 3.15            | 89.9  |
| 388      | 6/21/2011 16:31 | 13.08  | 50.44  | 33.03        | 7.52    | 7.75 | 9.2               | 3.22            | 87.9  |
| 389      | 6/21/2011 16:46 | 12.64  | 50.64  | 33.15        | 7.45    | 7.75 | 9.2               | 3.28            | 86.3  |
| 390      | 6/21/2011 17:01 | 12.42  | 50.50  | 33.04        | 7.45    | 7.75 | 6.5               | 3.32            | 85.9  |
| 391      | 6/21/2011 17:16 | 12.34  | 50.76  | 33.22        | 7.40    | 7.75 | 5.1               | 3.35            | 85.3  |
| 392      | 6/21/2011 17:31 | 12.32  | 50.59  | 33.10        | 7.35    | 7.75 | 4.0               | 3.38            | 84.5  |
| 393      | 6/21/2011 17:46 | 12.46  | 50.64  | 33.14        | 7.19    | 7.74 | 4.0               | 3.37            | 83.0  |
| 394      | 6/21/2011 18:01 | 12.35  | 50.53  | 33.06        | 7.21    | 7.74 | 3.7               | 3.35            | 82.9  |
| 395      | 6/21/2011 18:16 | 12.41  | 50.61  | 33.12        | 7.29    | 7.74 | 4.6               | 3.32            | 84.0  |
| 396      | 6/21/2011 18:31 | 13.51  | 50.53  | 33.11        | 7.43    | 7.77 | 5.2               | 3.28            | 87.6  |
| 397      | 6/21/2011 18:46 | 14.13  | 50.49  | 33.09        | 7.61    | 7.79 | 5.8               | 3.21            | 90.8  |
| 398      | 6/21/2011 19:01 | 14.68  | 50.24  | 32.93        | 8.10    | 7.84 | 7.9               | 3.14            | 97.7  |
| 399      | 6/21/2011 19:16 | 14.95  | 50.08  | 32.82        | 8.11    | 7.85 | 7.3               | 3.07            | 98.3  |
| 400      | 6/21/2011 19:31 | 14.83  | 50.19  | 32.89        | 8.08    | 7.84 | 6.3               | 2.99            | 97.8  |
| 401      | 6/21/2011 19:46 | 14.87  | 50.21  | 32.92        | 7.98    | 7.83 | 5.9               | 2.93            | 96.6  |
| 402      | 6/21/2011 20:01 | 15.10  | 50.22  | 32.93        | 7.98    | 7.84 | 6.3               | 2.84            | 97.1  |
| 403      | 6/21/2011 20:16 | 15.21  | 50.41  | 33.06        | 8.07    | 7.84 | 6.3               | 2.78            | 98.4  |
| 404      | 6/21/2011 20:31 | 15.58  | 50.26  | 32.97        | 8.29    | 7.88 | 6.5               | 2.72            | 101.8 |
| 405      | 6/21/2011 20:46 | 15.59  | 50.21  | 32.93        | 8.42    | 7.89 | 7.0               | 2.65            | 103.4 |
| 406      | 6/21/2011 21:01 | 15.41  | 49.92  | 32.72        | 8.35    | 7.87 | 6.9               | 2.58            | 102.1 |
| 407      | 6/21/2011 21:16 | 15.45  | 50.26  | 32.96        | 8.34    | 7.88 | 8.0               | 2.52            | 102.1 |
| 408      | 6/21/2011 21:31 | 15.59  | 50.11  | 32.85        | 8.14    | 7.87 | 6.8               | 2.47            | 99.9  |
| 409      | 6/21/2011 21:46 | 15.94  | 49.75  | 32.60        | 8.12    | 7.87 | 7.6               | 2.40            | 100.2 |
| 410      | 6/21/2011 22:01 | 16.35  | 50.01  | 32.80        | 8.02    | 7.88 | 6.9               | 2.35            | 99.9  |
| 411      | 6/21/2011 22:16 | 16.18  | 50.10  | 32.86        | 8.08    | 7.89 | 7.2               | 2.31            | 100.3 |
| 412      | 6/21/2011 22:31 | 16.50  | 49.88  | 32.70        | 7.96    | 7.88 | 6.0               | 2.28            | 99.3  |
| 413      | 6/21/2011 22:46 | 16.49  | 49.70  | 32.57        | 7.97    | 7.87 | 6.2               | 2.23            | 99.4  |
| 414      | 6/21/2011 23:01 | 16.58  | 50.04  | 32.82        | 7.95    | 7.88 | 5.4               | 2.21            | 99.5  |
| 415      | 6/21/2011 23:16 | 16.64  | 50.13  | 32.88        | 7.99    | 7.88 | 5.7               | 2.20            | 100.1 |
| 416      | 6/21/2011 23:31 | 16.64  | 50.01  | 32.80        | 7.84    | 7.88 | 6.0               | 2.20            | 98.2  |
| 417      | 6/21/2011 23:46 | 16.64  | 50.11  | 32.88        | 7.88    | 7.88 | 5.4               | 2.19            | 98.7  |
| 418      | 6/22/2011 0:01  | 16.52  | 49.99  | 32.78        | 7.93    | 7.87 | 6.5               | 2.23            | 99.1  |
| 419      | 6/22/2011 0:16  | 16.63  | 50.06  | 32.84        | 7.96    | 7.88 | 4.8               | 2.26            | 99.6  |
| 420      | 6/22/2011 0:31  | 16.63  | 49.93  | 32.74        | 7.94    | 7.87 | 5.7               | 2.31            | 99.3  |
| 421      | 6/22/2011 0:46  | 16.52  | 50.06  | 32.83        | 7.85    | 7.87 | 8.7               | 2.35            | 98.2  |
| 422      | 6/22/2011 1:01  | 16.40  | 50.04  | 32.82        | 7.85    | 7.86 | 9.8               | 2.40            | 97.8  |
| 423      | 6/22/2011 1:16  | 16.62  | 49.97  | 32.77        | 7.85    | 7.87 | 8.1               | 2.45            | 98.3  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 424      | 6/22/2011 1:31  | 16.47  | 50.10  | 32.86        | 7.76    | 7.86 | 11.0              | 2.51            | 96.9 |
| 425      | 6/22/2011 1:46  | 16.34  | 49.87  | 32.69        | 7.81    | 7.86 | 11.5              | 2.56            | 97.2 |
| 426      | 6/22/2011 2:01  | 16.01  | 50.00  | 32.79        | 7.82    | 7.84 | 9.2               | 2.60            | 96.8 |
| 427      | 6/22/2011 2:16  | 15.62  | 50.06  | 32.82        | 7.77    | 7.83 | 7.3               | 2.66            | 95.3 |
| 428      | 6/22/2011 2:31  | 15.26  | 50.35  | 33.02        | 7.68    | 7.81 | 4.8               | 2.71            | 93.8 |
| 429      | 6/22/2011 2:46  | 15.01  | 50.22  | 32.92        | 7.63    | 7.81 | 4.9               | 2.75            | 92.6 |
| 430      | 6/22/2011 3:01  | 14.80  | 50.14  | 32.86        | 7.63    | 7.80 | 4.7               | 2.80            | 92.2 |
| 431      | 6/22/2011 3:16  | 14.47  | 50.29  | 32.96        | 7.62    | 7.79 | 3.9               | 2.85            | 91.5 |
| 432      | 6/22/2011 3:31  | 14.34  | 49.90  | 32.67        | 7.61    | 7.79 | 4.0               | 2.88            | 91.0 |
| 433      | 6/22/2011 3:46  | 14.17  | 50.28  | 32.94        | 7.60    | 7.79 | 3.5               | 2.93            | 90.7 |
| 434      | 6/22/2011 4:01  | 14.14  | 50.22  | 32.90        | 7.59    | 7.79 | 3.4               | 2.96            | 90.5 |
| 435      | 6/22/2011 4:16  | 14.03  | 50.43  | 33.05        | 7.54    | 7.79 | 3.4               | 3.00            | 89.8 |
| 436      | 6/22/2011 4:31  | 13.91  | 50.23  | 32.90        | 7.51    | 7.78 | 3.2               | 3.03            | 89.1 |
| 437      | 6/22/2011 4:46  | 13.82  | 50.20  | 32.87        | 7.39    | 7.78 | 2.4               | 3.04            | 87.6 |
| 438      | 6/22/2011 5:01  | 13.73  | 50.59  | 33.16        | 7.31    | 7.77 | 2.7               | 3.06            | 86.6 |
| 439      | 6/22/2011 5:16  | 13.96  | 50.47  | 33.07        | 7.20    | 7.76 | 3.2               | 3.04            | 85.7 |
| 440      | 6/22/2011 5:31  | 13.76  | 50.51  | 33.10        | 7.17    | 7.76 | 3.1               | 3.04            | 85.0 |
| 441      | 6/22/2011 5:46  | 13.89  | 50.42  | 33.04        | 7.21    | 7.76 | 2.9               | 3.02            | 85.6 |
| 442      | 6/22/2011 6:01  | 14.04  | 49.98  | 32.72        | 7.23    | 7.77 | 3.8               | 2.96            | 86.0 |
| 443      | 6/22/2011 6:16  | 14.61  | 50.23  | 32.92        | 7.32    | 7.78 | 4.8               | 2.91            | 88.1 |
| 444      | 6/22/2011 6:31  | 14.67  | 49.81  | 32.62        | 7.38    | 7.79 | 4.9               | 2.86            | 88.8 |
| 445      | 6/22/2011 6:46  | 14.84  | 49.99  | 32.75        | 7.38    | 7.79 | 7.1               | 2.79            | 89.2 |
| 446      | 6/22/2011 7:01  | 14.91  | 49.95  | 32.73        | 7.37    | 7.79 | 5.7               | 2.71            | 89.2 |
| 447      | 6/22/2011 7:16  | 14.94  | 49.88  | 32.68        | 7.36    | 7.79 | 5.2               | 2.63            | 89.0 |
| 448      | 6/22/2011 7:31  | 15.19  | 50.12  | 32.86        | 7.25    | 7.79 | 5.6               | 2.58            | 88.3 |
| 449      | 6/22/2011 7:46  | 15.56  | 50.15  | 32.88        | 7.23    | 7.79 | 7.4               | 2.49            | 88.7 |
| 450      | 6/22/2011 8:01  | 15.30  | 49.78  | 32.61        | 7.30    | 7.78 | 5.3               | 2.41            | 89.0 |
| 451      | 6/22/2011 8:16  | 15.61  | 49.92  | 32.72        | 7.33    | 7.81 | 6.7               | 2.34            | 89.9 |
| 452      | 6/22/2011 8:31  | 15.64  | 49.47  | 32.39        | 7.48    | 7.81 | 5.7               | 2.26            | 91.6 |
| 453      | 6/22/2011 8:46  | 15.93  | 49.76  | 32.61        | 7.49    | 7.82 | 5.4               | 2.20            | 92.4 |
| 454      | 6/22/2011 9:01  | 15.76  | 49.85  | 32.67        | 7.74    | 7.83 | 4.6               | 2.10            | 95.2 |
| 455      | 6/22/2011 9:16  | 16.21  | 49.51  | 32.43        | 7.72    | 7.85 | 6.0               | 2.03            | 95.6 |
| 456      | 6/22/2011 9:31  | 16.45  | 49.65  | 32.54        | 7.73    | 7.86 | 4.6               | 1.97            | 96.3 |
| 457      | 6/22/2011 9:46  | 16.49  | 49.69  | 32.57        | 7.85    | 7.87 | 4.7               | 1.90            | 97.9 |
| 458      | 6/22/2011 10:01 | 16.70  | 49.68  | 32.56        | 7.88    | 7.88 | 4.5               | 1.87            | 98.6 |
| 459      | 6/22/2011 10:16 | 16.76  | 49.68  | 32.56        | 7.84    | 7.88 | 4.0               | 1.81            | 98.3 |
| 460      | 6/22/2011 10:31 | 16.81  | 49.40  | 32.36        | 7.89    | 7.88 | 3.9               | 1.81            | 98.9 |
| 461      | 6/22/2011 10:46 | 16.88  | 49.78  | 32.64        | 7.89    | 7.89 | 4.8               | 1.80            | 99.1 |
| 462      | 6/22/2011 11:01 | 16.84  | 49.52  | 32.44        | 7.82    | 7.88 | 4.2               | 1.77            | 98.1 |
| 463      | 6/22/2011 11:16 | 16.78  | 49.80  | 32.65        | 7.83    | 7.87 | 4.2               | 1.79            | 98.2 |
| 464      | 6/22/2011 11:31 | 16.77  | 49.70  | 32.57        | 7.89    | 7.87 | 5.8               | 1.82            | 98.9 |
| 465      | 6/22/2011 11:46 | 16.73  | 49.66  | 32.55        | 7.81    | 7.87 | 4.9               | 1.85            | 97.8 |
| 466      | 6/22/2011 12:01 | 16.74  | 49.49  | 32.42        | 7.78    | 7.86 | 5.1               | 1.87            | 97.4 |
| 467      | 6/22/2011 12:16 | 16.70  | 49.79  | 32.64        | 7.65    | 7.86 | 5.4               | 1.94            | 95.8 |
| 468      | 6/22/2011 12:31 | 16.65  | 49.50  | 32.43        | 7.57    | 7.85 | 6.2               | 1.99            | 94.6 |
| 469      | 6/22/2011 12:46 | 16.62  | 49.60  | 32.50        | 7.48    | 7.84 | 7.9               | 2.03            | 93.4 |
| 470      | 6/22/2011 13:01 | 16.76  | 49.59  | 32.49        | 7.51    | 7.84 | 7.3               | 2.10            | 94.1 |
| 471      | 6/22/2011 13:16 | 16.58  | 49.39  | 32.34        | 7.34    | 7.83 | 6.3               | 2.17            | 91.5 |
| 472      | 6/22/2011 13:31 | 16.52  | 49.73  | 32.60        | 7.30    | 7.82 | 5.8               | 2.24            | 91.2 |
| 473      | 6/22/2011 13:46 | 16.37  | 49.45  | 32.39        | 7.33    | 7.82 | 5.4               | 2.31            | 91.1 |
| 474      | 6/22/2011 14:01 | 16.05  | 50.04  | 32.81        | 7.28    | 7.81 | 5.8               | 2.39            | 90.1 |
| 475      | 6/22/2011 14:16 | 15.86  | 49.99  | 32.77        | 7.33    | 7.80 | 6.1               | 2.46            | 90.4 |
| 476      | 6/22/2011 14:31 | 15.58  | 49.80  | 32.63        | 7.41    | 7.80 | 6.0               | 2.54            | 90.8 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 477      | 6/22/2011 14:46 | 15.38  | 50.02  | 32.79        | 7.43    | 7.80 | 5.8               | 2.62            | 90.7  |
| 478      | 6/22/2011 15:01 | 15.27  | 49.91  | 32.71        | 7.51    | 7.80 | 5.8               | 2.69            | 91.5  |
| 479      | 6/22/2011 15:16 | 15.05  | 50.02  | 32.78        | 7.48    | 7.79 | 6.3               | 2.77            | 90.7  |
| 480      | 6/22/2011 15:31 | 14.88  | 49.79  | 32.61        | 7.49    | 7.79 | 6.5               | 2.83            | 90.5  |
| 481      | 6/22/2011 15:46 | 14.75  | 49.88  | 32.67        | 7.51    | 7.79 | 6.2               | 2.91            | 90.6  |
| 482      | 6/22/2011 16:01 | 14.66  | 50.09  | 32.82        | 7.55    | 7.79 | 6.9               | 2.98            | 90.9  |
| 483      | 6/22/2011 16:16 | 14.29  | 50.04  | 32.78        | 7.60    | 7.78 | 8.1               | 3.04            | 90.9  |
| 484      | 6/22/2011 16:31 | 13.93  | 49.85  | 32.62        | 7.66    | 7.78 | 7.5               | 3.12            | 90.8  |
| 485      | 6/22/2011 16:46 | 13.72  | 49.83  | 32.60        | 7.72    | 7.78 | 7.2               | 3.18            | 91.2  |
| 486      | 6/22/2011 17:01 | 13.57  | 49.60  | 32.43        | 7.78    | 7.78 | 7.1               | 3.24            | 91.4  |
| 487      | 6/22/2011 17:16 | 13.34  | 50.05  | 32.75        | 7.76    | 7.77 | 6.3               | 3.29            | 90.9  |
| 488      | 6/22/2011 17:31 | 12.99  | 50.36  | 32.96        | 7.75    | 7.77 | 6.3               | 3.34            | 90.3  |
| 489      | 6/22/2011 17:46 | 12.75  | 50.23  | 32.85        | 7.72    | 7.77 | 5.1               | 3.39            | 89.5  |
| 490      | 6/22/2011 18:01 | 12.61  | 50.56  | 33.09        | 7.69    | 7.76 | 3.4               | 3.40            | 88.9  |
| 491      | 6/22/2011 18:16 | 12.81  | 50.43  | 33.00        | 7.53    | 7.77 | 3.2               | 3.41            | 87.4  |
| 492      | 6/22/2011 18:31 | 12.59  | 50.28  | 32.89        | 7.38    | 7.74 | 2.9               | 3.40            | 85.2  |
| 493      | 6/22/2011 18:46 | 12.67  | 50.17  | 32.81        | 7.40    | 7.75 | 3.3               | 3.40            | 85.6  |
| 494      | 6/22/2011 19:01 | 13.36  | 50.32  | 32.94        | 7.59    | 7.78 | 4.0               | 3.34            | 89.1  |
| 495      | 6/22/2011 19:16 | 14.30  | 50.04  | 32.77        | 8.06    | 7.82 | 6.0               | 3.28            | 96.3  |
| 496      | 6/22/2011 19:31 | 14.35  | 50.22  | 32.91        | 8.10    | 7.82 | 7.8               | 3.23            | 97.0  |
| 497      | 6/22/2011 19:46 | 14.42  | 49.94  | 32.70        | 7.93    | 7.81 | 8.1               | 3.18            | 95.0  |
| 498      | 6/22/2011 20:01 | 14.51  | 50.04  | 32.78        | 7.91    | 7.81 | 8.9               | 3.09            | 94.9  |
| 499      | 6/22/2011 20:16 | 14.34  | 50.19  | 32.88        | 8.03    | 7.82 | 9.7               | 3.01            | 96.2  |
| 500      | 6/22/2011 20:31 | 14.32  | 49.97  | 32.72        | 8.10    | 7.83 | 8.9               | 2.95            | 96.9  |
| 501      | 6/22/2011 20:46 | 14.31  | 49.97  | 32.72        | 8.15    | 7.84 | 8.9               | 2.88            | 97.4  |
| 502      | 6/22/2011 21:01 | 14.32  | 50.14  | 32.85        | 8.07    | 7.83 | 9.6               | 2.80            | 96.6  |
| 503      | 6/22/2011 21:16 | 14.62  | 50.03  | 32.78        | 8.05    | 7.84 | 10.9              | 2.74            | 96.8  |
| 504      | 6/22/2011 21:31 | 15.05  | 49.76  | 32.59        | 8.11    | 7.86 | 11.3              | 2.67            | 98.3  |
| 505      | 6/22/2011 21:46 | 15.42  | 49.81  | 32.63        | 8.16    | 7.89 | 11.4              | 2.61            | 99.6  |
| 506      | 6/22/2011 22:01 | 15.24  |        |              | 8.33    | 7.87 | 10.4              | 2.54            | 97.5  |
| 507      | 6/22/2011 22:16 | 15.64  | 47.76  | 31.15        | 8.16    | 7.88 | 11.8              | 2.47            | 99.2  |
| 508      | 6/22/2011 22:31 | 15.94  | 49.78  | 32.62        | 7.97    | 7.88 | 10.7              | 2.40            | 98.3  |
| 509      | 6/22/2011 22:46 | 15.36  | 47.34  | 30.83        | 8.07    | 7.84 | 10.1              | 2.34            | 97.4  |
| 510      | 6/22/2011 23:01 | 16.30  | 48.34  | 31.57        | 8.05    | 7.89 | 10.4              | 2.30            | 99.4  |
| 511      | 6/22/2011 23:16 | 16.14  | 49.74  | 32.59        | 7.97    | 7.87 | 9.7               | 2.22            | 98.7  |
| 512      | 6/22/2011 23:31 | 16.57  | 49.81  | 32.66        | 8.07    | 7.90 | 9.2               | 2.19            | 100.8 |
| 513      | 6/22/2011 23:46 | 16.54  | 50.09  | 32.85        | 7.97    | 7.90 | 8.1               | 2.16            | 99.6  |
| 514      | 6/23/2011 0:01  | 16.74  | 49.79  | 32.64        | 8.03    | 7.91 | 7.9               | 2.13            | 100.7 |
| 515      | 6/23/2011 0:16  | 16.86  | 50.12  | 32.88        | 7.87    | 7.91 | 6.9               | 2.12            | 99.0  |
| 516      | 6/23/2011 0:31  | 16.90  | 49.68  | 32.57        | 7.91    | 7.92 | 8.8               | 2.11            | 99.4  |
| 517      | 6/23/2011 0:46  | 16.93  | 50.02  | 32.81        | 8.04    | 7.92 | 9.2               | 2.14            | 101.3 |
| 518      | 6/23/2011 1:01  | 16.83  | 49.85  | 32.69        | 8.04    | 7.91 | 8.5               | 2.15            | 101.0 |
| 519      | 6/23/2011 1:16  | 16.77  | 49.81  | 32.66        | 8.03    | 7.91 | 8.0               | 2.19            | 100.7 |
| 520      | 6/23/2011 1:31  | 16.90  | 50.09  | 32.87        | 8.03    | 7.92 | 7.9               | 2.22            | 101.1 |
| 521      | 6/23/2011 1:46  | 16.85  | 50.08  | 32.85        | 7.96    | 7.91 | 9.3               | 2.27            | 100.2 |
| 522      | 6/23/2011 2:01  | 16.79  | 50.10  | 32.87        | 7.91    | 7.90 | 9.8               | 2.31            | 99.4  |
| 523      | 6/23/2011 2:16  | 16.86  | 49.96  | 32.77        | 7.84    | 7.90 | 11.1              | 2.36            | 98.6  |
| 524      | 6/23/2011 2:31  | 16.75  | 49.78  | 32.63        | 7.79    | 7.89 | 12.3              | 2.43            | 97.7  |
| 525      | 6/23/2011 2:46  | 16.75  | 49.65  | 32.54        | 7.73    | 7.88 | 10.8              | 2.46            | 96.9  |
| 526      | 6/23/2011 3:01  | 16.75  | 49.93  | 32.74        | 7.69    | 7.88 | 12.5              | 2.51            | 96.5  |
| 527      | 6/23/2011 3:16  | 16.68  | 49.76  | 32.62        | 7.73    | 7.88 | 14.1              | 2.55            | 96.8  |
| 528      | 6/23/2011 3:31  | 16.15  | 49.78  | 32.62        | 7.75    | 7.86 | 11.5              | 2.60            | 96.1  |
| 529      | 6/23/2011 3:46  | 16.09  | 50.06  | 32.83        | 7.73    | 7.86 | 9.7               | 2.64            | 95.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 530      | 6/23/2011 4:01  | 15.99  | 49.99  | 32.78        | 7.64    | 7.85 | 8.8        | 2.66            | 94.5  |
| 531      | 6/23/2011 4:16  | 15.78  | 50.11  | 32.86        | 7.63    | 7.84 | 7.2        | 2.71            | 94.1  |
| 532      | 6/23/2011 4:31  | 15.66  | 50.11  | 32.86        | 7.63    | 7.84 | 6.2        | 2.75            | 93.8  |
| 533      | 6/23/2011 4:46  | 15.30  | 49.59  | 32.47        | 7.63    | 7.82 | 5.3        | 2.77            | 92.9  |
| 534      | 6/23/2011 5:01  | 15.28  | 50.21  | 32.92        | 7.59    | 7.82 | 4.9        | 2.80            | 92.6  |
| 535      | 6/23/2011 5:16  | 15.02  | 50.05  | 32.80        | 7.53    | 7.81 | 4.8        | 2.84            | 91.4  |
| 536      | 6/23/2011 5:31  | 14.90  | 49.87  | 32.67        | 7.51    | 7.80 | 4.6        | 2.88            | 90.8  |
| 537      | 6/23/2011 5:46  | 14.87  | 50.07  | 32.81        | 7.41    | 7.80 | 4.9        | 2.88            | 89.6  |
| 538      | 6/23/2011 6:01  | 15.17  | 50.12  | 32.86        | 7.25    | 7.81 | 5.6        | 2.89            | 88.2  |
| 539      | 6/23/2011 6:16  | 14.81  | 50.18  | 32.89        | 7.15    | 7.78 | 2.7        | 2.90            | 86.4  |
| 540      | 6/23/2011 6:31  | 14.82  | 50.17  | 32.88        | 7.17    | 7.78 | 4.6        | 2.90            | 86.6  |
| 541      | 6/23/2011 6:46  | 14.76  | 50.17  | 32.88        | 7.19    | 7.78 | 3.7        | 2.87            | 86.8  |
| 542      | 6/23/2011 7:01  | 14.52  | 50.29  | 32.96        | 6.92    | 7.73 | 13.4       | 2.82            | 83.2  |
| 543      | 6/23/2011 7:16  | 14.50  | 49.73  | 32.55        | 6.98    | 7.72 | 10.1       | 2.81            | 83.7  |
| 544      | 6/23/2011 7:31  | 14.65  | 50.20  | 32.90        | 7.18    | 7.76 | 9.6        | 2.76            | 86.5  |
| 545      | 6/23/2011 7:46  | 15.01  | 50.37  | 33.03        | 7.40    | 7.81 | 7.2        | 2.69            | 89.8  |
| 546      | 6/23/2011 8:01  | 15.69  | 50.20  | 32.93        | 7.67    | 7.85 | 8.9        | 2.63            | 94.4  |
| 547      | 6/23/2011 8:16  | 15.41  | 50.49  | 33.13        | 7.69    | 7.84 | 6.3        | 2.59            | 94.1  |
| 548      | 6/23/2011 8:31  | 15.66  | 50.28  | 32.98        | 7.71    | 7.85 | 7.1        | 2.52            | 94.9  |
| 549      | 6/23/2011 8:46  | 15.42  | 50.55  | 33.18        | 7.84    | 7.85 | 6.3        | 2.45            | 96.0  |
| 550      | 6/23/2011 9:01  | 15.72  | 50.38  | 33.06        | 7.74    | 7.85 | 6.5        | 2.39            | 95.3  |
| 551      | 6/23/2011 9:16  | 15.78  | 50.27  | 32.98        | 7.77    | 7.86 | 6.6        | 2.33            | 95.8  |
| 552      | 6/23/2011 9:31  | 15.69  | 50.35  | 33.03        | 7.97    | 7.87 | 6.5        | 2.28            | 98.1  |
| 553      | 6/23/2011 9:46  | 15.65  | 50.33  | 33.02        | 8.19    | 7.88 | 5.7        | 2.20            | 100.8 |
| 554      | 6/23/2011 10:01 | 15.69  | 50.31  | 33.00        | 8.32    | 7.89 | 6.3        | 2.16            | 102.4 |
| 555      | 6/23/2011 10:16 | 15.87  | 50.30  | 33.00        | 8.13    | 7.89 | 5.1        | 2.12            | 100.5 |
| 556      | 6/23/2011 10:31 | 15.92  | 50.21  | 32.93        | 8.24    | 7.90 | 6.5        | 2.06            | 101.8 |
| 557      | 6/23/2011 10:46 | 16.04  | 50.39  | 33.07        | 8.13    | 7.90 | 5.3        | 2.05            | 100.8 |
| 558      | 6/23/2011 11:01 | 16.09  | 50.59  | 33.22        | 8.02    | 7.89 | 4.9        | 2.00            | 99.6  |
| 559      | 6/23/2011 11:16 | 16.12  | 50.31  | 33.01        | 8.14    | 7.90 | 4.1        | 1.98            | 101.0 |
| 560      | 6/23/2011 11:31 | 16.24  | 50.56  | 33.20        | 7.65    | 7.88 | 2.7        | 1.98            | 95.3  |
| 561      | 6/23/2011 11:46 | 16.31  | 50.37  | 33.06        | 7.66    | 7.88 | 4.2        | 1.96            | 95.5  |
| 562      | 6/23/2011 12:01 | 16.32  | 50.51  | 33.16        | 8.04    | 7.89 | 5.7        | 1.98            | 100.3 |
| 563      | 6/23/2011 12:16 | 16.34  | 50.28  | 32.99        | 7.94    | 7.89 | 5.1        | 1.99            | 99.0  |
| 564      | 6/23/2011 12:31 | 16.29  | 50.49  | 33.15        | 7.93    | 7.88 | 5.1        | 2.02            | 98.9  |
| 565      | 6/23/2011 12:46 | 16.35  | 50.12  | 32.88        | 7.72    | 7.88 | 5.7        | 2.03            | 96.1  |
| 566      | 6/23/2011 13:01 | 16.36  | 50.34  | 33.04        | 7.77    | 7.88 | 5.8        | 2.09            | 96.9  |
| 567      | 6/23/2011 13:16 | 16.34  | 50.28  | 33.00        | 7.70    | 7.87 | 6.1        | 2.13            | 96.0  |
| 568      | 6/23/2011 13:31 | 16.38  | 50.15  | 32.90        | 7.74    | 7.87 | 6.7        | 2.18            | 96.5  |
| 569      | 6/23/2011 13:46 | 16.35  | 50.37  | 33.06        | 7.69    | 7.86 | 6.9        | 2.24            | 95.9  |
| 570      | 6/23/2011 14:01 | 16.54  | 50.11  | 32.87        | 7.75    | 7.87 | 6.2        | 2.30            | 96.9  |
| 571      | 6/23/2011 14:16 | 16.57  | 50.27  | 32.99        | 7.71    | 7.87 | 6.3        | 2.37            | 96.6  |
| 572      | 6/23/2011 14:31 | 16.39  | 50.24  | 32.97        | 7.54    | 7.85 | 5.6        | 2.42            | 94.0  |
| 573      | 6/23/2011 14:46 | 16.24  | 50.01  | 32.80        | 7.43    | 7.84 | 6.2        | 2.50            | 92.3  |
| 574      | 6/23/2011 15:01 | 16.08  | 50.22  | 32.95        | 7.49    | 7.84 | 5.9        | 2.57            | 92.8  |
| 575      | 6/23/2011 15:16 | 15.54  | 50.39  | 33.06        | 7.45    | 7.82 | 5.5        | 2.63            | 91.4  |
| 576      | 6/23/2011 15:31 | 15.28  | 50.46  | 33.11        | 7.52    | 7.81 | 5.6        | 2.71            | 91.9  |
| 577      | 6/23/2011 15:46 | 15.01  | 50.02  | 32.78        | 7.56    | 7.81 | 6.2        | 2.78            | 91.7  |
| 578      | 6/23/2011 16:01 | 14.80  | 50.38  | 33.03        | 7.55    | 7.80 | 5.9        | 2.84            | 91.3  |
| 579      | 6/23/2011 16:16 | 14.64  | 50.35  | 33.01        | 7.52    | 7.80 | 5.7        | 2.91            | 90.6  |
| 580      | 6/23/2011 16:31 | 14.51  | 50.36  | 33.01        | 7.51    | 7.79 | 5.7        | 2.98            | 90.2  |
| 581      | 6/23/2011 16:46 | 14.39  | 50.08  | 32.80        | 7.54    | 7.79 | 5.6        | 3.04            | 90.3  |
| 582      | 6/23/2011 17:01 | 14.27  | 50.49  | 33.10        | 7.58    | 7.79 | 6.0        | 3.11            | 90.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 583      | 6/23/2011 17:16 | 14.09  | 50.58  | 33.16        | 7.66    | 7.79 | 6.0               | 3.17            | 91.4 |
| 584      | 6/23/2011 17:31 | 13.94  | 50.57  | 33.15        | 7.76    | 7.79 | 6.3               | 3.22            | 92.3 |
| 585      | 6/23/2011 17:46 | 13.84  | 50.72  | 33.26        | 7.81    | 7.79 | 5.4               | 3.28            | 92.7 |
| 586      | 6/23/2011 18:01 | 13.70  | 50.60  | 33.16        | 7.86    | 7.79 | 4.7               | 3.32            | 93.0 |
| 587      | 6/23/2011 18:16 | 13.62  | 50.57  | 33.14        | 7.88    | 7.80 | 4.0               | 3.36            | 93.2 |
| 588      | 6/23/2011 18:31 | 13.53  | 50.35  | 32.98        | 7.91    | 7.80 | 3.5               | 3.39            | 93.2 |
| 589      | 6/23/2011 18:46 | 13.47  | 50.72  | 33.24        | 7.68    | 7.78 | 2.2               | 3.41            | 90.5 |
| 590      | 6/23/2011 19:01 | 13.53  | 50.49  | 33.07        | 7.52    | 7.78 | 1.7               | 3.42            | 88.7 |
| 591      | 6/23/2011 19:16 | 13.47  | 50.44  | 33.04        | 7.57    | 7.77 | 2.5               | 3.40            | 89.1 |
| 592      | 6/23/2011 19:31 | 13.55  | 50.65  | 33.19        | 7.62    | 7.78 | 3.2               | 3.37            | 90.0 |
| 593      | 6/23/2011 19:46 | 14.15  |        |              | 8.10    | 7.81 | 5.5               | 3.35            | 93.3 |
| 594      | 6/23/2011 20:01 | 14.61  | 47.62  | 31.02        | 8.12    | 7.82 | 7.6               | 3.30            | 96.6 |
| 595      | 6/23/2011 20:16 | 14.63  |        |              | 8.33    | 7.83 | 9.0               | 3.24            | 97.5 |
| 596      | 6/23/2011 20:31 | 14.78  | 48.25  | 31.48        | 8.06    | 7.83 | 10.8              | 3.16            | 96.5 |
| 597      | 6/23/2011 20:46 | 15.00  | 48.95  | 31.99        | 7.99    | 7.83 | 10.5              | 3.11            | 96.5 |
| 598      | 6/23/2011 21:01 | 15.36  | 50.29  | 32.98        | 7.89    | 7.86 | 9.8               | 3.03            | 96.5 |
| 599      | 6/23/2011 21:16 | 15.62  | 50.47  | 33.12        | 7.93    | 7.87 | 8.7               | 2.96            | 97.6 |
| 600      | 6/23/2011 21:31 | 15.89  | 50.09  | 32.84        | 7.93    | 7.89 | 8.4               | 2.89            | 97.8 |
| 601      | 6/23/2011 21:46 | 16.09  |        |              | 8.19    | 7.90 | 9.9               | 2.82            | 99.0 |
| 602      | 6/23/2011 22:01 | 15.88  |        |              | 8.25    | 7.88 | 10.4              | 2.77            | 99.3 |
| 603      | 6/23/2011 22:16 | 15.78  | 46.48  | 30.22        | 8.09    | 7.88 | 10.0              | 2.70            | 98.0 |
| 604      | 6/23/2011 22:31 | 15.38  | 49.81  | 32.63        | 7.90    | 7.85 | 9.7               | 2.61            | 96.4 |
| 605      | 6/23/2011 22:46 | 16.22  | 48.93  | 32.01        | 7.84    | 7.89 | 9.4               | 2.55            | 96.9 |
| 606      | 6/23/2011 23:01 | 16.26  | 47.61  | 31.04        | 7.84    | 7.89 | 9.6               | 2.48            | 96.4 |
| 607      | 6/23/2011 23:16 | 15.64  | 47.01  | 30.60        | 7.77    | 7.86 | 8.3               | 2.40            | 94.2 |
| 608      | 6/23/2011 23:31 | 15.78  |        |              | 7.95    | 7.87 | 10.1              | 2.33            | 94.7 |
| 609      | 6/23/2011 23:46 | 16.02  | 45.16  | 29.27        | 7.85    | 7.88 | 9.4               | 2.25            | 95.0 |
| 610      | 6/24/2011 0:01  | 16.12  | 49.81  | 32.64        | 7.62    | 7.88 | 9.1               | 2.19            | 94.3 |
| 611      | 6/24/2011 0:16  | 16.23  | 49.88  | 32.70        | 7.61    | 7.88 | 8.1               | 2.12            | 94.5 |
| 612      | 6/24/2011 0:31  | 16.35  | 49.96  | 32.76        | 7.67    | 7.89 | 8.1               | 2.08            | 95.5 |
| 613      | 6/24/2011 0:46  | 16.39  | 50.11  | 32.87        | 7.62    | 7.89 | 6.9               | 2.02            | 95.1 |
| 614      | 6/24/2011 1:01  | 16.62  | 47.65  | 31.08        | 7.62    | 7.90 | 5.7               | 1.99            | 94.5 |
| 615      | 6/24/2011 1:16  | 16.80  | 48.95  | 32.02        | 7.62    | 7.92 | 8.9               | 2.01            | 95.2 |
| 616      | 6/24/2011 1:31  | 16.71  | 50.23  | 32.96        | 7.53    | 7.91 | 8.9               | 1.98            | 94.5 |
| 617      | 6/24/2011 1:46  | 16.84  | 49.99  | 32.79        | 7.68    | 7.92 | 9.8               | 1.98            | 96.5 |
| 618      | 6/24/2011 2:01  | 16.79  | 48.71  | 31.85        | 7.72    | 7.92 | 9.6               | 2.01            | 96.4 |
| 619      | 6/24/2011 2:16  | 16.70  | 49.95  | 32.76        | 7.63    | 7.90 | 11.0              | 2.04            | 95.6 |
| 620      | 6/24/2011 2:31  | 16.75  |        |              | 7.92    | 7.91 | 10.4              | 2.09            | 95.9 |
| 621      | 6/24/2011 2:46  | 16.69  | 49.08  | 32.12        | 7.68    | 7.91 | 10.0              | 2.11            | 95.9 |
| 622      | 6/24/2011 3:01  | 16.64  | 49.89  | 32.71        | 7.63    | 7.90 | 9.6               | 2.15            | 95.5 |
| 623      | 6/24/2011 3:16  | 16.97  | 49.76  | 32.62        | 7.40    | 7.91 | 11.8              | 2.22            | 93.2 |
| 624      | 6/24/2011 3:31  | 16.96  | 49.38  | 32.34        | 7.36    | 7.90 | 14.2              | 2.26            | 92.5 |
| 625      | 6/24/2011 3:46  | 16.92  |        |              | 7.58    | 7.90 | 13.9              | 2.30            | 92.4 |
| 626      | 6/24/2011 4:01  | 16.80  |        |              | 7.65    | 7.90 | 13.6              | 2.35            | 92.8 |
| 627      | 6/24/2011 4:16  | 16.70  | 46.86  | 30.51        | 7.51    | 7.89 | 13.5              | 2.40            | 92.9 |
| 628      | 6/24/2011 4:31  | 16.63  | 48.28  | 31.54        | 7.47    | 7.88 | 16.2              | 2.44            | 92.8 |
| 629      | 6/24/2011 4:46  | 16.30  |        |              | 7.80    | 7.87 | 14.0              | 2.48            | 92.2 |
| 630      | 6/24/2011 5:01  | 16.37  |        |              | 7.62    | 7.87 | 11.0              | 2.53            | 92.7 |
| 631      | 6/24/2011 5:16  | 16.06  |        |              | 7.63    | 7.86 | 10.3              | 2.57            | 92.3 |
| 632      | 6/24/2011 5:31  | 15.62  | 46.33  | 30.11        | 7.67    | 7.84 | 7.0               | 2.61            | 92.6 |
| 633      | 6/24/2011 5:46  | 15.51  | 49.39  | 32.33        | 7.57    | 7.84 | 6.2               | 2.62            | 92.5 |
| 634      | 6/24/2011 6:01  | 15.44  |        |              | 7.89    | 7.84 | 5.9               | 2.67            | 92.3 |
| 635      | 6/24/2011 6:16  | 15.33  |        |              | 8.22    | 7.83 | 4.9               | 2.73            | 93.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 636      | 6/24/2011 6:31  | 15.19  |                 |              | 8.38            | 7.84 | 4.7               | 2.74            | 93.8  |
| 637      | 6/24/2011 6:46  | 15.20  |                 |              | 8.33            | 7.84 | 6.1               | 2.76            | 93.1  |
| 638      | 6/24/2011 7:01  | 15.15  |                 |              | 8.23            | 7.83 | 5.2               | 2.78            | 92.2  |
| 639      | 6/24/2011 7:16  | 15.18  |                 |              | 7.96            | 7.83 | 4.5               | 2.79            | 90.3  |
| 640      | 6/24/2011 7:31  | 15.25  |                 |              | 7.86            | 7.83 | 4.7               | 2.78            | 91.6  |
| 641      | 6/24/2011 7:46  | 15.12  |                 |              | 7.41            | 7.82 | 4.3               | 2.75            | 88.4  |
| 642      | 6/24/2011 8:01  | 15.13  |                 |              | 7.47            | 7.81 | 4.8               | 2.74            | 88.9  |
| 643      | 6/24/2011 8:16  | 15.23  |                 |              | 7.53            | 7.82 | 3.7               | 2.73            | 88.9  |
| 644      | 6/24/2011 8:31  | 15.29  |                 |              | 7.47            | 7.82 | 3.9               | 2.69            | 88.6  |
| 645      | 6/24/2011 8:46  | 15.62  |                 |              | 7.74            | 7.84 | 5.5               | 2.64            | 89.9  |
| 646      | 6/24/2011 9:01  | 15.88  |                 |              | 7.81            | 7.86 | 7.1               | 2.61            | 91.3  |
| 647      | 6/24/2011 9:16  | 16.00  |                 |              | 7.62            | 7.85 | 6.5               | 2.57            | 89.1  |
| 648      | 6/24/2011 9:31  | 16.18  | 50.01           | 32.79        | 7.34            | 7.87 | 11.0              | 2.49            | 91.2  |
| 649      | 6/24/2011 9:46  | 16.23  |                 |              | 7.79            | 7.87 | 7.9               | 2.45            | 92.5  |
| 650      | 6/24/2011 10:01 | 16.30  | 48.07           | 31.38        | 7.57            | 7.87 | 7.5               | 2.39            | 93.4  |
| 651      | 6/24/2011 10:16 | 16.40  |                 |              | 7.75            | 7.88 | 6.7               | 2.36            | 93.1  |
| 652      | 6/24/2011 10:31 | 16.39  | 49.67           | 32.55        | 7.59            | 7.88 | 6.2               | 2.31            | 94.5  |
| 653      | 6/24/2011 10:46 | 16.43  | 49.23           | 32.22        | 7.47            | 7.87 | 5.2               | 2.24            | 92.9  |
| 654      | 6/24/2011 11:01 | 16.42  |                 |              | 8.87            | 7.90 | 6.9               | 2.24            | 101.7 |
| 655      | 6/24/2011 11:16 | 16.49  |                 |              | 8.42            | 7.90 | 7.9               | 2.20            | 101.6 |
| 656      | 6/24/2011 11:31 | 16.55  | 49.80           | 32.64        | 8.02            | 7.89 | 6.7               | 2.16            | 100.2 |
| 657      | 6/24/2011 11:46 | 16.59  |                 |              | 8.33            | 7.89 | 6.7               | 2.14            | 99.0  |
| 658      | 6/24/2011 12:01 | 16.60  |                 |              | 7.84            | 7.89 | 7.1               | 2.13            | 95.7  |
| 659      | 6/24/2011 12:16 | 16.59  |                 |              | 8.76            | 7.89 | 10.2              | 2.15            | 98.3  |
| 660      | 6/24/2011 12:31 | 16.54  |                 |              | 8.57            | 7.89 | 7.5               | 2.14            | 97.4  |
| 661      | 6/24/2011 12:46 | 16.53  |                 |              | 7.85            | 7.88 | 7.1               | 2.12            | 95.7  |
| 662      | 6/24/2011 13:01 | 16.54  |                 |              | 7.90            | 7.88 | 10.0              | 2.14            | 94.9  |
| 663      | 6/24/2011 13:16 | 16.57  |                 |              | 8.16            | 7.88 | 14.3              | 2.16            | 95.3  |
| 664      | 6/24/2011 13:31 | 16.62  |                 |              | 8.46            | 7.88 | 9.5               | 2.20            | 94.8  |
| 665      | 6/24/2011 13:46 | 16.59  |                 |              | 8.61            | 7.88 | 12.8              | 2.24            | 94.5  |
| 666      | 6/24/2011 14:01 | 16.59  |                 |              | 8.55            | 7.87 | 18.0              | 2.28            | 93.5  |
| 667      | 6/24/2011 14:16 | 16.60  |                 |              | 8.46            | 7.87 | 13.0              | 2.32            | 93.2  |
| 668      | 6/24/2011 14:31 | 16.52  |                 |              | 8.39            | 7.86 | 11.5              | 2.37            | 91.8  |
| 669      | 6/24/2011 14:46 | 16.64  |                 |              | 8.53            | 7.88 | 17.8              | 2.43            | 94.4  |
| 670      | 6/24/2011 15:01 | 16.38  | 48.85           | 31.95        | 7.43            | 7.86 | 8.8               | 2.45            | 92.1  |
| 671      | 6/24/2011 15:16 | 16.21  |                 |              | 8.52            | 7.85 | 5.7               | 2.55            | 92.8  |
| 672      | 6/24/2011 15:31 | 15.74  | 50.04           | 32.81        | 7.38            | 7.83 | 6.1               | 2.57            | 90.8  |
| 673      | 6/24/2011 15:46 | 15.36  | 49.88           | 32.68        | 7.50            | 7.82 | 5.7               | 2.63            | 91.6  |
| 674      | 6/24/2011 16:01 | 15.28  | 50.14           | 32.87        | 7.55            | 7.83 | 5.1               | 2.69            | 92.1  |
| 675      | 6/24/2011 16:16 | 15.20  |                 |              | 8.94            | 7.82 | 5.1               | 2.81            | 92.8  |
| 676      | 6/24/2011 16:31 | 15.10  | 49.67           | 32.53        | 7.71            | 7.82 | 5.3               | 2.82            | 93.5  |
| 677      | 6/24/2011 16:46 | 14.89  |                 |              | 8.99            | 7.82 | 5.6               | 2.93            | 93.6  |
| 678      | 6/24/2011 17:01 | 14.74  | 50.08           | 32.82        | 7.76            | 7.82 | 4.8               | 2.94            | 93.6  |
| 679      | 6/24/2011 17:16 | 14.59  | 49.93           | 32.70        | 7.78            | 7.82 | 4.9               | 3.01            | 93.6  |
| 680      | 6/24/2011 17:31 | 14.43  | 50.40           | 33.04        | 7.73            | 7.81 | 5.3               | 3.07            | 92.8  |
| 681      | 6/24/2011 17:46 | 14.22  |                 |              | 9.12            | 7.81 | 5.3               | 3.19            | 93.2  |
| 682      | 6/24/2011 18:01 | 14.13  | 50.00           | 32.74        | 7.90            | 7.81 | 5.2               | 3.19            | 94.1  |
| 683      | 6/24/2011 18:16 | 13.99  | 49.94           | 32.69        | 8.01            | 7.81 | 4.8               | 3.26            | 95.1  |
| 684      | 6/24/2011 18:31 | 13.83  | 50.13           | 32.82        | 8.17            | 7.82 | 4.8               | 3.31            | 96.7  |
| 685      | 6/24/2011 18:46 | 13.70  | 49.84           | 32.61        | 8.35            | 7.83 | 4.5               | 3.35            | 98.6  |
| 686      | 6/24/2011 19:01 | 13.62  | 49.99           | 32.71        | 8.40            | 7.83 | 4.4               | 3.39            | 99.0  |
| 687      | 6/24/2011 19:16 | 13.53  | 50.26           | 32.91        | 8.41            | 7.83 | 3.2               | 3.42            | 99.0  |
| 688      | 6/24/2011 19:31 | 13.52  | 50.16           | 32.84        | 8.29            | 7.82 | 2.7               | 3.43            | 97.6  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 689      | 6/24/2011 19:46 | 13.56  | 50.42  | 33.02        | 8.15    | 7.81 | 2.9               | 3.43            | 96.1  |
| 690      | 6/24/2011 20:01 | 13.57  | 50.15  | 32.83        | 8.17    | 7.82 | 2.1               | 3.43            | 96.2  |
| 691      | 6/24/2011 20:16 | 13.69  | 50.19  | 32.86        | 8.13    | 7.81 | 2.9               | 3.41            | 96.1  |
| 692      | 6/24/2011 20:31 | 13.87  | 49.31  | 32.23        | 8.10    | 7.82 | 3.0               | 3.36            | 95.7  |
| 693      | 6/24/2011 20:46 | 14.11  | 49.86  | 32.64        | 8.31    | 7.85 | 3.9               | 3.30            | 98.9  |
| 694      | 6/24/2011 21:01 | 13.90  | 50.05  | 32.77        | 8.43    | 7.85 | 4.8               | 3.24            | 100.0 |
| 695      | 6/24/2011 21:16 | 14.42  | 50.10  | 32.82        | 8.30    | 7.86 | 8.5               | 3.18            | 99.5  |
| 696      | 6/24/2011 21:31 | 14.57  | 49.97  | 32.73        | 8.17    | 7.85 | 5.7               | 3.11            | 98.2  |
| 697      | 6/24/2011 21:46 | 14.42  |        |              | 8.39    | 7.84 | 6.3               | 3.04            | 96.9  |
| 698      | 6/24/2011 22:01 | 14.72  |        |              | 8.42    | 7.84 | 5.7               | 2.98            | 95.7  |
| 699      | 6/24/2011 22:16 | 14.93  | 46.61  | 30.30        | 8.05    | 7.84 | 6.2               | 2.90            | 96.0  |
| 700      | 6/24/2011 22:31 | 15.53  |        |              | 8.16    | 7.87 | 6.2               | 2.83            | 96.7  |
| 701      | 6/24/2011 22:46 | 15.60  | 50.21  | 32.93        | 7.89    | 7.87 | 6.6               | 2.73            | 96.8  |
| 702      | 6/24/2011 23:01 | 14.29  | 49.84  | 32.62        | 7.84    | 7.80 | 5.1               | 2.65            | 93.7  |
| 703      | 6/24/2011 23:16 | 14.86  | 48.81  | 31.89        | 7.88    | 7.84 | 6.3               | 2.58            | 94.7  |
| 704      | 6/24/2011 23:31 | 15.99  |        |              | 8.34    | 7.88 | 8.0               | 2.52            | 95.5  |
| 705      | 6/24/2011 23:46 | 15.57  |        |              | 8.31    | 7.86 | 7.5               | 2.43            | 93.5  |
| 706      | 6/25/2011 0:01  | 15.88  |        |              | 8.06    | 7.88 | 9.3               | 2.33            | 94.8  |
| 707      | 6/25/2011 0:16  | 16.35  |        |              | 8.03    | 7.91 | 10.2              | 2.26            | 96.0  |
| 708      | 6/25/2011 0:31  | 16.87  |        |              | 8.15    | 7.93 | 10.8              | 2.18            | 97.0  |
| 709      | 6/25/2011 0:46  | 16.80  |        |              | 8.03    | 7.93 | 10.4              | 2.09            | 95.3  |
| 710      | 6/25/2011 1:01  | 17.02  |        |              | 8.21    | 7.94 | 10.0              | 2.04            | 96.7  |
| 711      | 6/25/2011 1:16  | 17.25  | 50.24  | 32.97        | 7.69    | 7.95 | 9.4               | 1.97            | 97.6  |
| 712      | 6/25/2011 1:31  | 17.44  |        |              | 8.17    | 7.96 | 8.5               | 1.94            | 97.1  |
| 713      | 6/25/2011 1:46  | 17.46  | 50.27  | 33.00        | 7.63    | 7.96 | 8.1               | 1.86            | 97.1  |
| 714      | 6/25/2011 2:01  | 17.48  | 50.25  | 32.99        | 7.68    | 7.96 | 9.3               | 1.85            | 97.8  |
| 715      | 6/25/2011 2:16  | 17.46  |        |              | 8.18    | 7.95 | 9.8               | 1.87            | 96.3  |
| 716      | 6/25/2011 2:31  | 17.42  | 49.92  | 32.75        | 7.62    | 7.95 | 9.7               | 1.82            | 96.8  |
| 717      | 6/25/2011 2:46  | 17.36  |        |              | 8.02    | 7.95 | 18.4              | 1.85            | 97.1  |
| 718      | 6/25/2011 3:01  | 17.27  | 49.98  | 32.79        | 7.62    | 7.94 | 13.4              | 1.86            | 96.6  |
| 719      | 6/25/2011 3:16  | 17.21  |        |              | 8.84    | 7.94 | 14.5              | 1.93            | 96.3  |
| 720      | 6/25/2011 3:31  | 17.12  |        |              | 8.12    | 7.93 | 14.6              | 1.94            | 96.0  |
| 721      | 6/25/2011 3:46  | 17.05  | 50.29  | 33.01        | 7.59    | 7.93 | 8.4               | 1.96            | 95.9  |
| 722      | 6/25/2011 4:01  | 16.99  | 50.31  | 33.03        | 7.52    | 7.92 | 10.1              | 2.01            | 94.9  |
| 723      | 6/25/2011 4:16  | 17.00  |        |              | 7.83    | 7.91 | 8.7               | 2.06            | 93.5  |
| 724      | 6/25/2011 4:31  | 17.01  | 49.67  | 32.55        | 7.37    | 7.90 | 9.3               | 2.10            | 92.8  |
| 725      | 6/25/2011 4:46  | 17.00  | 49.77  | 32.63        | 7.33    | 7.90 | 10.8              | 2.15            | 92.3  |
| 726      | 6/25/2011 5:01  | 16.96  | 49.66  | 32.55        | 7.31    | 7.89 | 11.1              | 2.19            | 92.0  |
| 727      | 6/25/2011 5:16  | 16.88  | 49.48  | 32.42        | 7.28    | 7.88 | 14.2              | 2.24            | 91.5  |
| 728      | 6/25/2011 5:31  | 16.73  | 49.58  | 32.49        | 7.35    | 7.88 | 13.4              | 2.28            | 92.0  |
| 729      | 6/25/2011 5:46  | 16.48  | 48.87  | 31.96        | 7.39    | 7.87 | 13.1              | 2.35            | 91.7  |
| 730      | 6/25/2011 6:01  | 16.40  | 49.62  | 32.51        | 7.32    | 7.87 | 12.2              | 2.38            | 91.1  |
| 731      | 6/25/2011 6:16  | 16.12  | 49.98  | 32.77        | 7.37    | 7.86 | 9.6               | 2.42            | 91.4  |
| 732      | 6/25/2011 6:31  | 15.85  | 49.92  | 32.72        | 7.50    | 7.86 | 6.3               | 2.48            | 92.4  |
| 733      | 6/25/2011 6:46  | 15.82  | 49.96  | 32.75        | 7.52    | 7.86 | 6.5               | 2.52            | 92.7  |
| 734      | 6/25/2011 7:01  | 15.68  | 46.62  | 30.32        | 7.72    | 7.86 | 5.5               | 2.56            | 93.4  |
| 735      | 6/25/2011 7:16  | 15.60  | 45.34  | 29.39        | 7.81    | 7.86 | 5.6               | 2.60            | 93.8  |
| 736      | 6/25/2011 7:31  | 15.52  | 48.13  | 31.41        | 7.73    | 7.86 | 4.9               | 2.63            | 93.9  |
| 737      | 6/25/2011 7:46  | 15.46  | 48.79  | 31.89        | 7.76    | 7.86 | 4.1               | 2.68            | 94.4  |
| 738      | 6/25/2011 8:01  | 15.42  | 48.97  | 32.02        | 7.72    | 7.86 | 4.2               | 2.69            | 93.9  |
| 739      | 6/25/2011 8:16  | 15.42  | 48.96  | 32.01        | 7.66    | 7.86 | 3.8               | 2.70            | 93.2  |
| 740      | 6/25/2011 8:31  | 15.35  | 50.21  | 32.92        | 7.60    | 7.86 | 3.3               | 2.73            | 92.9  |
| 741      | 6/25/2011 8:46  | 15.28  | 50.54  | 33.16        | 7.53    | 7.85 | 2.9               | 2.74            | 92.0  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 742      | 6/25/2011 9:01  | 15.45  | 50.09  | 32.84        | 7.42    | 7.85 | 3.7               | 2.73            | 90.8  |
| 743      | 6/25/2011 9:16  | 15.34  | 50.10  | 32.84        | 7.34    | 7.83 | 3.1               | 2.72            | 89.7  |
| 744      | 6/25/2011 9:31  | 15.27  | 50.39  | 33.06        | 7.30    | 7.84 | 2.7               | 2.71            | 89.1  |
| 745      | 6/25/2011 9:46  | 15.31  | 50.06  | 32.82        | 7.34    | 7.84 | 2.9               | 2.69            | 89.6  |
| 746      | 6/25/2011 10:01 | 15.34  | 50.38  | 33.05        | 7.43    | 7.84 | 3.7               | 2.65            | 90.8  |
| 747      | 6/25/2011 10:16 | 15.47  | 50.01  | 32.78        | 7.47    | 7.85 | 3.5               | 2.61            | 91.4  |
| 748      | 6/25/2011 10:31 | 15.76  | 49.86  | 32.67        | 7.62    | 7.87 | 4.6               | 2.57            | 93.7  |
| 749      | 6/25/2011 10:46 | 15.98  | 50.02  | 32.80        | 7.73    | 7.88 | 4.2               | 2.54            | 95.6  |
| 750      | 6/25/2011 11:01 | 16.19  | 50.35  | 33.05        | 7.88    | 7.89 | 4.3               | 2.48            | 98.0  |
| 751      | 6/25/2011 11:16 | 16.36  | 50.09  | 32.85        | 8.02    | 7.90 | 4.1               | 2.44            | 99.9  |
| 752      | 6/25/2011 11:31 | 16.56  | 50.30  | 33.01        | 8.22    | 7.92 | 4.6               | 2.40            | 102.9 |
| 753      | 6/25/2011 11:46 | 16.91  | 50.26  | 32.99        | 8.01    | 7.92 | 5.3               | 2.36            | 101.0 |
| 754      | 6/25/2011 12:01 | 16.92  | 50.21  | 32.95        | 7.97    | 7.92 | 3.5               | 2.32            | 100.4 |
| 755      | 6/25/2011 12:16 | 16.97  | 50.09  | 32.86        | 8.46    | 7.94 | 3.7               | 2.27            | 106.7 |
| 756      | 6/25/2011 12:31 | 17.12  | 50.18  | 32.93        | 8.45    | 7.95 | 4.2               | 2.25            | 106.9 |
| 757      | 6/25/2011 12:46 | 17.24  | 50.11  | 32.88        | 8.41    | 7.96 | 5.1               | 2.24            | 106.6 |
| 758      | 6/25/2011 13:01 | 17.26  | 50.22  | 32.96        | 8.71    | 7.96 | 4.6               | 2.21            | 110.5 |
| 759      | 6/25/2011 13:16 | 17.14  | 50.10  | 32.87        | 8.78    | 7.95 | 5.9               | 2.20            | 111.1 |
| 760      | 6/25/2011 13:31 | 17.03  | 50.30  | 33.01        | 8.51    | 7.94 | 5.1               | 2.22            | 107.5 |
| 761      | 6/25/2011 13:46 | 16.89  | 49.94  | 32.75        | 8.27    | 7.92 | 5.2               | 2.23            | 104.0 |
| 762      | 6/25/2011 14:01 | 16.89  | 50.15  | 32.90        | 8.14    | 7.91 | 4.8               | 2.24            | 102.5 |
| 763      | 6/25/2011 14:16 | 16.85  | 50.13  | 32.89        | 8.01    | 7.91 | 4.3               | 2.28            | 100.8 |
| 764      | 6/25/2011 14:31 | 16.67  | 50.09  | 32.86        | 7.80    | 7.89 | 4.4               | 2.30            | 97.8  |
| 765      | 6/25/2011 14:46 | 16.70  | 49.98  | 32.78        | 7.79    | 7.89 | 4.9               | 2.35            | 97.6  |
| 766      | 6/25/2011 15:01 | 16.80  | 49.95  | 32.76        | 7.99    | 7.90 | 7.2               | 2.39            | 100.3 |
| 767      | 6/25/2011 15:16 | 16.99  | 50.17  | 32.92        | 8.13    | 7.90 | 5.4               | 2.43            | 102.6 |
| 768      | 6/25/2011 15:31 | 16.82  | 48.86  | 31.97        | 8.17    | 7.89 | 4.8               | 2.48            | 102.2 |
| 769      | 6/25/2011 15:46 | 16.34  | 50.15  | 32.89        | 7.82    | 7.87 | 4.1               | 2.53            | 97.4  |
| 770      | 6/25/2011 16:01 | 15.98  | 50.33  | 33.02        | 7.70    | 7.86 | 4.3               | 2.58            | 95.3  |
| 771      | 6/25/2011 16:16 | 15.75  | 50.07  | 32.83        | 7.63    | 7.85 | 4.6               | 2.62            | 94.0  |
| 772      | 6/25/2011 16:31 | 15.78  | 50.38  | 33.06        | 7.76    | 7.86 | 4.3               | 2.68            | 95.6  |
| 773      | 6/25/2011 16:46 | 15.51  | 50.10  | 32.85        | 7.81    | 7.85 | 4.2               | 2.74            | 95.7  |
| 774      | 6/25/2011 17:01 | 15.29  | 50.19  | 32.91        | 7.83    | 7.84 | 4.2               | 2.80            | 95.5  |
| 775      | 6/25/2011 17:16 | 15.02  | 50.44  | 33.08        | 7.86    | 7.84 | 4.9               | 2.86            | 95.5  |
| 776      | 6/25/2011 17:31 | 14.75  | 50.23  | 32.93        | 7.93    | 7.84 | 4.7               | 2.92            | 95.8  |
| 777      | 6/25/2011 17:46 | 14.63  | 50.13  | 32.85        | 8.03    | 7.84 | 4.3               | 2.98            | 96.7  |
| 778      | 6/25/2011 18:01 | 14.45  | 50.48  | 33.10        | 8.11    | 7.84 | 4.8               | 3.04            | 97.4  |
| 779      | 6/25/2011 18:16 | 14.20  |        |              | 9.51    | 7.83 | 4.5               | 3.17            | 97.7  |
| 780      | 6/25/2011 18:31 | 13.95  |        |              | 9.43    | 7.83 | 5.3               | 3.22            | 98.7  |
| 781      | 6/25/2011 18:46 | 13.83  |        |              | 9.40    | 7.84 | 4.5               | 3.28            | 100.0 |
| 782      | 6/25/2011 19:01 | 13.78  |        |              | 9.80    | 7.85 | 4.8               | 3.34            | 101.8 |
| 783      | 6/25/2011 19:16 | 13.72  |        |              | 9.90    | 7.86 | 4.5               | 3.40            | 103.0 |
| 784      | 6/25/2011 19:31 | 13.55  |        |              | 10.12   | 7.86 | 4.2               | 3.43            | 104.9 |
| 785      | 6/25/2011 19:46 | 13.45  |        |              | 10.15   | 7.86 | 3.6               | 3.47            | 105.0 |
| 786      | 6/25/2011 20:01 | 13.35  |        |              | 10.12   | 7.87 | 3.4               | 3.50            | 105.2 |
| 787      | 6/25/2011 20:16 | 13.70  |        |              | 9.85    | 7.87 | 4.2               | 3.50            | 103.6 |
| 788      | 6/25/2011 20:31 | 13.35  |        |              | 10.07   | 7.85 | 1.6               | 3.52            | 101.4 |
| 789      | 6/25/2011 20:46 | 13.30  |        |              | 10.10   | 7.85 | 2.0               | 3.51            | 101.8 |
| 790      | 6/25/2011 21:01 | 13.38  |        |              | 10.16   | 7.85 | 2.4               | 3.46            | 102.5 |
| 791      | 6/25/2011 21:16 | 13.65  |        |              | 10.00   | 7.86 | 3.1               | 3.43            | 101.5 |
| 792      | 6/25/2011 21:31 | 14.62  |        |              | 9.20    | 7.87 | 3.6               | 3.37            | 99.8  |
| 793      | 6/25/2011 21:46 | 15.08  |        |              | 9.55    | 7.91 | 3.7               | 3.30            | 104.1 |
| 794      | 6/25/2011 22:01 | 15.39  |        |              | 9.88    | 7.94 | 4.8               | 3.22            | 109.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 795      | 6/25/2011 22:16 | 15.61  |                 |              | 9.95            | 7.95 | 5.7               | 3.15            | 109.4 |
| 796      | 6/25/2011 22:31 | 15.39  |                 |              | 9.35            | 7.93 | 4.1               | 3.07            | 107.2 |
| 797      | 6/25/2011 22:46 | 15.57  |                 |              | 10.07           | 7.92 | 4.2               | 3.00            | 107.0 |
| 798      | 6/25/2011 23:01 | 15.75  |                 |              | 9.92            | 7.92 | 4.9               | 2.92            | 105.8 |
| 799      | 6/25/2011 23:16 | 15.97  |                 |              | 9.83            | 7.92 | 4.9               | 2.83            | 105.2 |
| 800      | 6/25/2011 23:31 | 16.26  |                 |              | 9.97            | 7.94 | 4.5               | 2.76            | 107.1 |
| 801      | 6/25/2011 23:46 | 16.19  |                 |              | 10.00           | 7.95 | 5.3               | 2.66            | 107.4 |
| 802      | 6/26/2011 0:01  | 16.60  |                 |              | 9.90            | 7.94 | 8.4               | 2.55            | 107.2 |
| 803      | 6/26/2011 0:16  | 16.54  |                 |              | 9.91            | 7.96 | 6.2               | 2.46            | 107.7 |
| 804      | 6/26/2011 0:31  | 16.40  |                 |              | 10.03           | 7.97 | 7.3               | 2.37            | 108.2 |
| 805      | 6/26/2011 0:46  | 16.73  |                 |              | 9.85            | 7.96 | 6.9               | 2.27            | 107.0 |
| 806      | 6/26/2011 1:01  | 16.98  | 49.77           | 32.63        | 8.42            | 7.96 | 6.7               | 2.13            | 106.0 |
| 807      | 6/26/2011 1:16  | 16.76  | 50.13           | 32.89        | 8.33            | 7.95 | 6.0               | 2.03            | 104.6 |
| 808      | 6/26/2011 1:31  | 17.09  |                 |              | 9.74            | 7.97 | 5.6               | 2.00            | 106.9 |
| 809      | 6/26/2011 1:46  | 17.33  |                 |              | 9.64            | 7.98 | 4.9               | 1.92            | 107.3 |
| 810      | 6/26/2011 2:01  | 17.41  | 50.32           | 33.03        | 8.44            | 7.99 | 4.8               | 1.79            | 107.4 |
| 811      | 6/26/2011 2:16  | 17.59  | 50.34           | 33.05        | 8.40            | 7.99 | 4.0               | 1.74            | 107.3 |
| 812      | 6/26/2011 2:31  | 17.77  | 50.26           | 32.99        | 8.44            | 8.00 | 4.4               | 1.72            | 108.1 |
| 813      | 6/26/2011 2:46  | 17.86  | 50.10           | 32.88        | 8.43            | 8.00 | 3.0               | 1.67            | 108.1 |
| 814      | 6/26/2011 3:01  | 17.87  |                 |              | 9.62            | 8.00 | 3.4               | 1.66            | 107.0 |
| 815      | 6/26/2011 3:16  | 17.83  |                 |              | 9.50            | 8.00 | 3.8               | 1.68            | 105.9 |
| 816      | 6/26/2011 3:31  | 17.85  |                 |              | 9.80            | 8.00 | 4.1               | 1.69            | 109.4 |
| 817      | 6/26/2011 3:46  | 17.83  |                 |              | 8.83            | 8.00 | 4.0               | 1.68            | 109.1 |
| 818      | 6/26/2011 4:01  | 17.78  | 50.53           | 33.20        | 8.46            | 8.00 | 4.0               | 1.70            | 108.6 |
| 819      | 6/26/2011 4:16  | 17.76  | 50.13           | 32.90        | 8.45            | 7.99 | 4.3               | 1.75            | 108.2 |
| 820      | 6/26/2011 4:31  | 17.75  | 49.96           | 32.77        | 8.47            | 7.98 | 4.6               | 1.80            | 108.3 |
| 821      | 6/26/2011 4:46  | 17.78  | 49.88           | 32.72        | 8.29            | 7.97 | 6.0               | 1.84            | 106.1 |
| 822      | 6/26/2011 5:01  | 17.76  | 50.19           | 32.95        | 8.23            | 7.97 | 6.3               | 1.88            | 105.5 |
| 823      | 6/26/2011 5:16  | 17.73  | 50.05           | 32.84        | 8.21            | 7.97 | 6.6               | 1.94            | 105.0 |
| 824      | 6/26/2011 5:31  | 17.74  | 50.21           | 32.96        | 8.11            | 7.96 | 6.7               | 2.00            | 103.8 |
| 825      | 6/26/2011 5:46  | 17.62  | 50.11           | 32.88        | 8.12            | 7.96 | 6.3               | 2.05            | 103.6 |
| 826      | 6/26/2011 6:01  | 17.55  | 50.01           | 32.81        | 8.10            | 7.95 | 6.3               | 2.11            | 103.3 |
| 827      | 6/26/2011 6:16  | 17.49  | 50.11           | 32.88        | 8.06            | 7.95 | 7.1               | 2.17            | 102.7 |
| 828      | 6/26/2011 6:31  | 17.18  | 50.29           | 33.01        | 7.98            | 7.92 | 11.8              | 2.23            | 101.2 |
| 829      | 6/26/2011 6:46  | 16.90  |                 |              | 9.13            | 7.91 | 9.5               | 2.33            | 99.7  |
| 830      | 6/26/2011 7:01  | 16.79  |                 |              | 9.07            | 7.91 | 8.1               | 2.38            | 98.8  |
| 831      | 6/26/2011 7:16  | 16.49  |                 |              | 8.55            | 7.89 | 5.1               | 2.42            | 97.5  |
| 832      | 6/26/2011 7:31  | 16.30  |                 |              | 8.53            | 7.89 | 4.6               | 2.48            | 97.9  |
| 833      | 6/26/2011 7:46  | 16.10  |                 |              | 9.19            | 7.89 | 4.5               | 2.55            | 98.6  |
| 834      | 6/26/2011 8:01  | 16.01  |                 |              | 9.20            | 7.89 | 4.1               | 2.59            | 98.7  |
| 835      | 6/26/2011 8:16  | 15.95  |                 |              | 9.23            | 7.89 | 3.8               | 2.65            | 98.9  |
| 836      | 6/26/2011 8:31  | 15.91  | 50.10           | 32.86        | 8.00            | 7.89 | 3.6               | 2.64            | 98.8  |
| 837      | 6/26/2011 8:46  | 15.81  | 48.01           | 31.33        | 8.09            | 7.89 | 3.3               | 2.69            | 98.8  |
| 838      | 6/26/2011 9:01  | 15.73  | 45.24           | 29.33        | 8.18            | 7.88 | 2.9               | 2.72            | 98.5  |
| 839      | 6/26/2011 9:16  | 15.69  |                 |              | 8.99            | 7.88 | 2.9               | 2.78            | 98.0  |
| 840      | 6/26/2011 9:31  | 15.62  |                 |              | 8.94            | 7.87 | 2.6               | 2.81            | 97.3  |
| 841      | 6/26/2011 9:46  | 15.56  |                 |              | 9.12            | 7.87 | 2.3               | 2.84            | 96.9  |
| 842      | 6/26/2011 10:01 | 15.42  |                 |              | 9.09            | 7.86 | 1.8               | 2.85            | 96.3  |
| 843      | 6/26/2011 10:16 | 15.58  |                 |              | 8.92            | 7.87 | 2.4               | 2.85            | 94.8  |
| 844      | 6/26/2011 10:31 | 15.54  |                 |              | 8.79            | 7.85 | 2.0               | 2.83            | 93.4  |
| 845      | 6/26/2011 10:46 | 15.46  |                 |              | 8.84            | 7.85 | 1.7               | 2.83            | 93.8  |
| 846      | 6/26/2011 11:01 | 15.51  |                 |              | 8.86            | 7.86 | 2.6               | 2.80            | 94.1  |
| 847      | 6/26/2011 11:16 | 15.59  |                 |              | 8.95            | 7.86 | 2.4               | 2.75            | 95.2  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 848      | 6/26/2011 11:31 | 15.80  |                 |              | 9.14            | 7.88 | 3.4               | 2.70            | 97.7  |
| 849      | 6/26/2011 11:46 | 16.07  |                 |              | 9.34            | 7.90 | 2.9               | 2.67            | 100.4 |
| 850      | 6/26/2011 12:01 | 16.28  |                 |              | 9.52            | 7.92 | 3.0               | 2.62            | 102.8 |
| 851      | 6/26/2011 12:16 | 16.62  |                 |              | 9.85            | 7.94 | 3.5               | 2.56            | 107.1 |
| 852      | 6/26/2011 12:31 | 16.73  |                 |              | 9.90            | 7.95 | 3.1               | 2.50            | 108.0 |
| 853      | 6/26/2011 12:46 | 17.16  |                 |              | 10.18           | 7.97 | 3.1               | 2.46            | 112.1 |
| 854      | 6/26/2011 13:01 | 17.39  |                 |              | 10.17           | 7.97 | 2.8               | 2.44            | 112.5 |
| 855      | 6/26/2011 13:16 | 17.45  |                 |              | 10.02           | 7.98 | 2.3               | 2.40            | 110.9 |
| 856      | 6/26/2011 13:31 | 17.72  |                 |              | 10.51           | 7.99 | 2.5               | 2.36            | 117.0 |
| 857      | 6/26/2011 13:46 | 17.73  |                 |              | 9.52            | 7.97 | 1.2               | 2.33            | 112.1 |
| 858      | 6/26/2011 14:01 | 17.40  |                 |              | 9.50            | 7.95 | 2.7               | 2.33            | 109.9 |
| 859      | 6/26/2011 14:16 | 17.52  |                 |              | 10.33           | 7.98 | 3.4               | 2.34            | 117.9 |
| 860      | 6/26/2011 14:31 | 17.43  |                 |              | 9.36            | 7.96 | 2.9               | 2.30            | 111.9 |
| 861      | 6/26/2011 14:46 | 17.67  |                 |              | 10.18           | 7.98 | 2.8               | 2.34            | 115.5 |
| 862      | 6/26/2011 15:01 | 17.47  |                 |              | 9.85            | 7.96 | 3.1               | 2.37            | 113.9 |
| 863      | 6/26/2011 15:16 | 17.07  |                 |              | 9.14            | 7.94 | 2.9               | 2.37            | 107.9 |
| 864      | 6/26/2011 15:31 | 17.01  |                 |              | 8.99            | 7.93 | 2.8               | 2.39            | 106.8 |
| 865      | 6/26/2011 15:46 | 17.09  |                 |              | 9.55            | 7.94 | 3.3               | 2.45            | 109.4 |
| 866      | 6/26/2011 16:01 | 17.46  |                 |              | 10.22           | 7.96 | 3.7               | 2.51            | 113.2 |
| 867      | 6/26/2011 16:16 | 17.59  |                 |              | 10.03           | 7.96 | 3.2               | 2.54            | 114.2 |
| 868      | 6/26/2011 16:31 | 17.66  |                 |              | 10.17           | 7.95 | 3.1               | 2.58            | 113.2 |
| 869      | 6/26/2011 16:46 | 17.30  |                 |              | 10.02           | 7.94 | 2.7               | 2.64            | 110.7 |
| 870      | 6/26/2011 17:01 | 16.60  |                 |              | 9.12            | 7.90 | 3.1               | 2.68            | 104.9 |
| 871      | 6/26/2011 17:16 | 16.63  |                 |              | 9.78            | 7.91 | 2.9               | 2.75            | 106.6 |
| 872      | 6/26/2011 17:31 | 16.39  |                 |              | 9.71            | 7.90 | 3.2               | 2.81            | 105.3 |
| 873      | 6/26/2011 17:46 | 16.39  |                 |              | 9.87            | 7.91 | 3.9               | 2.88            | 107.1 |
| 874      | 6/26/2011 18:01 | 15.85  |                 |              | 9.73            | 7.89 | 3.3               | 2.94            | 104.4 |
| 875      | 6/26/2011 18:16 | 14.93  |                 |              | 9.87            | 7.87 | 3.1               | 3.01            | 103.8 |
| 876      | 6/26/2011 18:31 | 14.50  |                 |              | 9.82            | 7.87 | 3.5               | 3.08            | 102.7 |
| 877      | 6/26/2011 18:46 | 14.31  |                 |              | 9.89            | 7.87 | 4.5               | 3.14            | 102.7 |
| 878      | 6/26/2011 19:01 | 14.10  |                 |              | 10.02           | 7.87 | 4.5               | 3.21            | 103.5 |
| 879      | 6/26/2011 19:16 | 14.17  |                 |              | 10.16           | 7.88 | 4.3               | 3.29            | 105.1 |
| 880      | 6/26/2011 19:31 | 13.74  |                 |              | 10.19           | 7.88 | 5.0               | 3.34            | 105.4 |
| 881      | 6/26/2011 19:46 | 13.53  |                 |              | 10.29           | 7.88 | 4.9               | 3.41            | 105.0 |
| 882      | 6/26/2011 20:01 | 13.48  | 50.25           | 32.90        | 8.98            | 7.88 | 3.7               | 3.41            | 105.6 |
| 883      | 6/26/2011 20:16 | 13.48  |                 |              | 10.45           | 7.89 | 4.1               | 3.50            | 106.4 |
| 884      | 6/26/2011 20:31 | 13.36  |                 |              | 10.56           | 7.89 | 3.7               | 3.54            | 107.4 |
| 885      | 6/26/2011 20:46 | 13.25  |                 |              | 10.57           | 7.89 | 2.6               | 3.57            | 107.1 |
| 886      | 6/26/2011 21:01 | 13.50  |                 |              | 10.33           | 7.89 | 3.2               | 3.58            | 105.3 |
| 887      | 6/26/2011 21:16 | 13.20  | 50.49           | 33.06        | 8.73            | 7.87 | 1.3               | 3.52            | 102.2 |
| 888      | 6/26/2011 21:31 | 13.20  | 50.84           | 33.32        | 8.83            | 7.88 | 2.6               | 3.49            | 103.6 |
| 889      | 6/26/2011 21:46 | 13.22  | 50.43           | 33.02        | 8.85            | 7.88 | 2.9               | 3.46            | 103.6 |
| 890      | 6/26/2011 22:01 | 14.40  |                 |              | 9.83            | 7.89 | 3.0               | 3.47            | 102.2 |
| 891      | 6/26/2011 22:16 | 14.75  |                 |              | 9.62            | 7.88 | 4.0               | 3.41            | 100.9 |
| 892      | 6/26/2011 22:31 | 15.21  |                 |              | 9.99            | 7.93 | 3.7               | 3.34            | 105.8 |
| 893      | 6/26/2011 22:46 | 15.63  |                 |              | 10.32           | 7.96 | 4.9               | 3.25            | 110.3 |
| 894      | 6/26/2011 23:01 | 15.47  | 49.82           | 32.64        | 8.97            | 7.95 | 4.6               | 3.12            | 109.7 |
| 895      | 6/26/2011 23:16 | 15.50  |                 |              | 10.31           | 7.95 | 4.4               | 3.09            | 109.9 |
| 896      | 6/26/2011 23:31 | 15.79  |                 |              | 10.09           | 7.94 | 4.6               | 3.00            | 108.4 |
| 897      | 6/26/2011 23:46 | 16.16  |                 |              | 9.92            | 7.95 | 6.2               | 2.90            | 108.5 |
| 898      | 6/27/2011 0:01  | 16.43  | 49.65           | 32.54        | 8.70            | 7.95 | 9.5               | 2.76            | 108.3 |
| 899      | 6/27/2011 0:16  | 16.91  |                 |              | 10.04           | 7.97 | 9.9               | 2.71            | 110.3 |
| 900      | 6/27/2011 0:31  | 16.92  |                 |              | 10.05           | 7.97 | 8.2               | 2.60            | 110.6 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 901      | 6/27/2011 0:46  | 17.16  |                 |              | 9.97            | 7.98 | 7.1               | 2.50            | 110.3 |
| 902      | 6/27/2011 1:01  | 17.21  |                 |              | 10.02           | 7.98 | 6.0               | 2.40            | 110.9 |
| 903      | 6/27/2011 1:16  | 17.07  |                 |              | 9.96            | 7.98 | 7.7               | 2.27            | 109.9 |
| 904      | 6/27/2011 1:31  | 17.07  |                 |              | 9.84            | 7.97 | 7.6               | 2.18            | 108.7 |
| 905      | 6/27/2011 1:46  | 17.11  |                 |              | 9.78            | 7.98 | 6.6               | 2.08            | 108.0 |
| 906      | 6/27/2011 2:01  | 17.20  |                 |              | 9.77            | 7.98 | 6.1               | 1.95            | 108.1 |
| 907      | 6/27/2011 2:16  | 17.38  |                 |              | 9.82            | 7.99 | 5.5               | 1.86            | 109.1 |
| 908      | 6/27/2011 2:31  | 17.59  |                 |              | 9.81            | 8.00 | 5.4               | 1.77            | 109.6 |
| 909      | 6/27/2011 2:46  | 17.79  |                 |              | 9.72            | 8.01 | 4.9               | 1.69            | 108.9 |
| 910      | 6/27/2011 3:01  | 17.93  |                 |              | 9.68            | 8.01 | 4.5               | 1.61            | 108.8 |
| 911      | 6/27/2011 3:16  | 18.34  |                 |              | 9.81            | 8.04 | 4.3               | 1.54            | 111.3 |
| 912      | 6/27/2011 3:31  | 18.53  |                 |              | 9.92            | 8.05 | 4.3               | 1.53            | 113.0 |
| 913      | 6/27/2011 3:46  | 18.58  |                 |              | 9.89            | 8.05 | 4.5               | 1.50            | 113.0 |
| 914      | 6/27/2011 4:01  | 18.43  |                 |              | 9.81            | 8.04 | 4.2               | 1.50            | 111.6 |
| 915      | 6/27/2011 4:16  | 18.50  |                 |              | 9.93            | 8.04 | 3.4               | 1.51            | 113.2 |
| 916      | 6/27/2011 4:31  | 18.51  |                 |              | 9.88            | 8.04 | 3.6               | 1.55            | 112.6 |
| 917      | 6/27/2011 4:46  | 18.46  | 50.23           | 32.98        | 8.67            | 8.03 | 4.0               | 1.57            | 112.5 |
| 918      | 6/27/2011 5:01  | 18.46  | 50.24           | 32.98        | 8.64            | 8.03 | 4.5               | 1.60            | 112.2 |
| 919      | 6/27/2011 5:16  | 18.44  | 50.25           | 32.99        | 8.64            | 8.03 | 4.9               | 1.65            | 112.1 |
| 920      | 6/27/2011 5:31  | 18.51  | 50.25           | 32.99        | 8.46            | 8.01 | 5.7               | 1.70            | 109.9 |
| 921      | 6/27/2011 5:46  | 18.43  | 50.33           | 33.05        | 8.51            | 8.01 | 5.4               | 1.77            | 110.4 |
| 922      | 6/27/2011 6:01  | 18.38  | 50.24           | 32.98        | 8.42            | 8.00 | 6.3               | 1.81            | 109.2 |
| 923      | 6/27/2011 6:16  | 18.36  | 50.07           | 32.86        | 8.34            | 7.99 | 6.7               | 1.85            | 108.0 |
| 924      | 6/27/2011 6:31  | 18.31  | 49.76           | 32.63        | 8.34            | 7.99 | 8.5               | 1.94            | 107.7 |
| 925      | 6/27/2011 6:46  | 18.28  | 49.90           | 32.73        | 8.29            | 7.99 | 8.7               | 2.00            | 107.2 |
| 926      | 6/27/2011 7:01  | 18.18  | 49.72           | 32.60        | 8.33            | 7.99 | 9.5               | 2.05            | 107.4 |
| 927      | 6/27/2011 7:16  | 17.64  | 49.67           | 32.56        | 8.21            | 7.95 | 11.4              | 2.13            | 104.7 |
| 928      | 6/27/2011 7:31  | 17.54  | 47.79           | 31.19        | 8.22            | 7.95 | 8.9               | 2.21            | 103.8 |
| 929      | 6/27/2011 7:46  | 17.02  | 48.57           | 31.75        | 8.18            | 7.93 | 5.3               | 2.28            | 102.6 |
| 930      | 6/27/2011 8:01  | 16.74  | 50.08           | 32.85        | 8.16            | 7.92 | 4.7               | 2.34            | 102.4 |
| 931      | 6/27/2011 8:16  | 16.50  | 50.18           | 32.92        | 8.23            | 7.92 | 4.2               | 2.41            | 102.8 |
| 932      | 6/27/2011 8:31  | 16.42  | 50.14           | 32.89        | 8.24            | 7.92 | 4.1               | 2.48            | 102.8 |
| 933      | 6/27/2011 8:46  | 16.37  | 49.88           | 32.70        | 8.25            | 7.92 | 3.7               | 2.53            | 102.8 |
| 934      | 6/27/2011 9:01  | 16.33  | 50.19           | 32.92        | 8.27            | 7.92 | 3.7               | 2.59            | 103.0 |
| 935      | 6/27/2011 9:16  | 16.16  | 50.27           | 32.98        | 8.25            | 7.91 | 3.5               | 2.65            | 102.4 |
| 936      | 6/27/2011 9:31  | 16.03  |                 |              | 8.87            | 7.91 | 3.6               | 2.71            | 102.7 |
| 937      | 6/27/2011 9:46  | 15.93  | 49.77           | 32.61        | 8.30            | 7.91 | 3.1               | 2.74            | 102.4 |
| 938      | 6/27/2011 10:01 | 15.80  | 50.25           | 32.96        | 8.26            | 7.90 | 3.5               | 2.78            | 101.9 |
| 939      | 6/27/2011 10:16 | 15.48  |                 |              | 8.99            | 7.90 | 2.9               | 2.84            | 102.2 |
| 940      | 6/27/2011 10:31 | 15.39  |                 |              | 9.57            | 7.90 | 3.0               | 2.89            | 102.6 |
| 941      | 6/27/2011 10:46 | 15.36  |                 |              | 9.16            | 7.90 | 2.7               | 2.90            | 102.5 |
| 942      | 6/27/2011 11:01 | 15.32  |                 |              | 9.52            | 7.90 | 2.1               | 2.93            | 102.0 |
| 943      | 6/27/2011 11:16 | 15.67  |                 |              | 9.49            | 7.91 | 2.3               | 2.93            | 102.4 |
| 944      | 6/27/2011 11:31 | 15.41  | 50.11           | 32.85        | 8.09            | 7.88 | 1.7               | 2.88            | 99.0  |
| 945      | 6/27/2011 11:46 | 15.36  |                 |              | 9.30            | 7.89 | 2.2               | 2.90            | 99.8  |
| 946      | 6/27/2011 12:01 | 15.40  |                 |              | 9.27            | 7.89 | 2.3               | 2.87            | 99.4  |
| 947      | 6/27/2011 12:16 | 15.60  |                 |              | 9.27            | 7.89 | 2.4               | 2.82            | 99.8  |
| 948      | 6/27/2011 12:31 | 15.92  |                 |              | 9.25            | 7.92 | 2.7               | 2.78            | 102.9 |
| 949      | 6/27/2011 12:46 | 16.06  |                 |              | 9.26            | 7.92 | 2.4               | 2.73            | 102.8 |
| 950      | 6/27/2011 13:01 | 16.54  |                 |              | 9.68            | 7.95 | 2.9               | 2.67            | 108.7 |
| 951      | 6/27/2011 13:16 | 16.80  |                 |              | 9.99            | 7.96 | 2.9               | 2.62            | 110.5 |
| 952      | 6/27/2011 13:31 | 16.97  |                 |              | 9.72            | 7.97 | 2.8               | 2.57            | 110.6 |
| 953      | 6/27/2011 13:46 | 17.25  |                 |              | 10.18           | 7.98 | 2.5               | 2.53            | 113.7 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 954      | 6/27/2011 14:01 | 17.67  |                 |              | 10.35           | 8.01 | 2.1               | 2.50            | 118.0 |
| 955      | 6/27/2011 14:16 | 17.93  |                 |              | 10.27           | 8.01 | 1.5               | 2.46            | 117.6 |
| 956      | 6/27/2011 14:31 | 17.96  |                 |              | 10.76           | 8.02 | 3.1               | 2.44            | 122.1 |
| 957      | 6/27/2011 14:46 | 18.41  |                 |              | 10.71           | 8.04 | 2.6               | 2.42            | 122.7 |
| 958      | 6/27/2011 15:01 | 18.31  |                 |              | 11.33           | 8.05 | 3.2               | 2.43            | 129.5 |
| 959      | 6/27/2011 15:16 | 17.60  |                 |              | 10.52           | 7.99 | 2.8               | 2.42            | 118.5 |
| 960      | 6/27/2011 15:31 | 17.98  |                 |              | 10.74           | 8.02 | 3.1               | 2.43            | 122.0 |
| 961      | 6/27/2011 15:46 | 18.16  |                 |              | 10.82           | 8.02 | 3.3               | 2.45            | 123.3 |
| 962      | 6/27/2011 16:01 | 17.69  |                 |              | 10.45           | 7.99 | 2.9               | 2.48            | 118.1 |
| 963      | 6/27/2011 16:16 | 17.56  |                 |              | 9.83            | 7.98 | 3.0               | 2.49            | 116.7 |
| 964      | 6/27/2011 16:31 | 17.71  |                 |              | 10.35           | 7.99 | 3.1               | 2.54            | 116.9 |
| 965      | 6/27/2011 16:46 | 17.90  |                 |              | 9.99            | 7.98 | 3.9               | 2.58            | 117.3 |
| 966      | 6/27/2011 17:01 | 17.62  |                 |              | 10.11           | 7.98 | 3.1               | 2.63            | 117.4 |
| 967      | 6/27/2011 17:16 | 17.13  |                 |              | 9.85            | 7.96 | 3.2               | 2.68            | 112.5 |
| 968      | 6/27/2011 17:31 | 16.84  | 46.45           | 30.21        | 8.89            | 7.94 | 3.4               | 2.71            | 110.0 |
| 969      | 6/27/2011 17:46 | 16.42  |                 |              | 9.03            | 7.93 | 3.5               | 2.76            | 109.0 |
| 970      | 6/27/2011 18:01 | 15.75  |                 |              | 9.50            | 7.91 | 3.7               | 2.85            | 108.3 |
| 971      | 6/27/2011 18:16 | 15.15  |                 |              | 9.63            | 7.91 | 3.5               | 2.91            | 108.1 |
| 972      | 6/27/2011 18:31 | 14.74  | 45.83           | 29.73        | 9.14            | 7.91 | 3.8               | 2.94            | 108.2 |
| 973      | 6/27/2011 18:46 | 14.54  | 48.17           | 31.42        | 9.12            | 7.91 | 4.0               | 3.01            | 108.6 |
| 974      | 6/27/2011 19:01 | 14.48  | 48.95           | 31.99        | 9.10            | 7.91 | 4.5               | 3.08            | 108.6 |
| 975      | 6/27/2011 19:16 | 14.23  | 45.84           | 29.72        | 9.35            | 7.91 | 4.1               | 3.16            | 109.5 |
| 976      | 6/27/2011 19:31 | 14.12  | 45.95           | 29.80        | 9.35            | 7.91 | 4.0               | 3.22            | 109.3 |
| 977      | 6/27/2011 19:46 | 14.02  |                 |              | 9.68            | 7.93 | 4.8               | 3.30            | 111.3 |
| 978      | 6/27/2011 20:01 | 13.57  |                 |              | 9.72            | 7.92 | 5.0               | 3.37            | 110.5 |
| 979      | 6/27/2011 20:16 | 13.37  |                 |              | 9.62            | 7.92 | 4.5               | 3.43            | 110.0 |
| 980      | 6/27/2011 20:31 | 13.11  |                 |              | 9.79            | 7.92 | 3.8               | 3.50            | 109.8 |
| 981      | 6/27/2011 20:46 | 12.90  |                 |              | 9.83            | 7.92 | 3.5               | 3.53            | 111.0 |
| 982      | 6/27/2011 21:01 | 12.82  |                 |              | 9.95            | 7.93 | 2.8               | 3.59            | 112.0 |
| 983      | 6/27/2011 21:16 | 12.80  |                 |              | 10.31           | 7.94 | 2.9               | 3.64            | 113.2 |
| 984      | 6/27/2011 21:31 | 12.66  | 46.78           | 30.35        | 10.36           | 7.97 | 2.0               | 3.63            | 118.0 |
| 985      | 6/27/2011 21:46 | 13.06  |                 |              | 10.38           | 7.93 | 3.4               | 3.69            | 110.2 |
| 986      | 6/27/2011 22:01 | 12.68  |                 |              | 11.18           | 7.96 | 2.3               | 3.70            | 116.2 |
| 987      | 6/27/2011 22:16 | 12.63  |                 |              | 11.68           | 7.97 | 2.2               | 3.67            | 118.5 |
| 988      | 6/27/2011 22:31 | 12.78  |                 |              | 11.30           | 7.96 | 1.6               | 3.64            | 115.0 |
| 989      | 6/27/2011 22:46 | 14.60  |                 |              | 9.74            | 7.92 | 5.9               | 3.57            | 103.2 |
| 990      | 6/27/2011 23:01 | 14.13  |                 |              | 10.31           | 7.93 | 3.8               | 3.51            | 108.2 |
| 991      | 6/27/2011 23:16 | 14.94  |                 |              | 10.23           | 7.95 | 3.6               | 3.44            | 109.2 |
| 992      | 6/27/2011 23:31 | 14.99  |                 |              | 10.25           | 7.95 | 3.5               | 3.34            | 109.6 |
| 993      | 6/27/2011 23:46 | 15.06  |                 |              | 10.42           | 7.97 | 3.4               | 3.25            | 111.5 |
| 994      | 6/28/2011 0:01  | 15.00  |                 |              | 10.34           | 7.96 | 4.4               | 3.16            | 110.6 |
| 995      | 6/28/2011 0:16  | 15.21  |                 |              | 10.21           | 7.96 | 3.7               | 3.06            | 109.5 |
| 996      | 6/28/2011 0:31  | 15.22  |                 |              | 10.04           | 7.94 | 3.9               | 2.94            | 107.9 |
| 997      | 6/28/2011 0:46  | 15.95  |                 |              | 9.92            | 7.96 | 4.2               | 2.85            | 108.2 |
| 998      | 6/28/2011 1:01  | 15.96  |                 |              | 9.93            | 7.96 | 4.5               | 2.74            | 108.5 |
| 999      | 6/28/2011 1:16  | 16.15  |                 |              | 9.76            | 7.94 | 4.9               | 2.62            | 107.0 |
| 1000     | 6/28/2011 1:31  | 16.39  |                 |              | 9.30            | 7.95 | 5.4               | 2.51            | 102.4 |
| 1001     | 6/28/2011 1:46  | 16.23  |                 |              | 9.53            | 7.93 | 5.5               | 2.42            | 104.8 |
| 1002     | 6/28/2011 2:01  | 17.32  |                 |              | 9.65            | 7.99 | 6.2               | 2.28            | 109.1 |
| 1003     | 6/28/2011 2:16  | 17.27  |                 |              | 9.66            | 7.98 | 7.6               | 2.16            | 108.8 |
| 1004     | 6/28/2011 2:31  | 17.43  |                 |              | 9.25            | 7.98 | 6.0               | 2.06            | 104.5 |
| 1005     | 6/28/2011 2:46  | 17.51  | 49.08           | 32.13        | 8.43            | 7.98 | 7.0               | 1.90            | 106.9 |
| 1006     | 6/28/2011 3:01  | 17.65  | 49.31           | 32.30        | 8.27            | 7.98 | 5.6               | 1.80            | 105.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1007     | 6/28/2011 3:16  | 18.04  |                 |              | 8.88            | 7.99 | 5.3               | 1.71            | 105.9 |
| 1008     | 6/28/2011 3:31  | 18.53  |                 |              | 9.09            | 8.01 | 5.7               | 1.61            | 105.8 |
| 1009     | 6/28/2011 3:46  | 18.90  |                 |              | 9.23            | 8.03 | 4.4               | 1.55            | 107.6 |
| 1010     | 6/28/2011 4:01  | 19.02  |                 |              | 9.15            | 8.03 | 4.6               | 1.47            | 107.0 |
| 1011     | 6/28/2011 4:16  | 19.07  |                 |              | 9.07            | 8.02 | 4.3               | 1.40            | 106.1 |
| 1012     | 6/28/2011 4:31  | 19.03  |                 |              | 9.14            | 8.02 | 5.9               | 1.40            | 106.8 |
| 1013     | 6/28/2011 4:46  | 18.70  |                 |              | 8.91            | 7.99 | 5.2               | 1.39            | 103.6 |
| 1014     | 6/28/2011 5:01  | 18.73  |                 |              | 9.08            | 8.01 | 5.2               | 1.41            | 105.3 |
| 1015     | 6/28/2011 5:16  | 18.47  |                 |              | 8.96            | 7.99 | 5.7               | 1.43            | 103.5 |
| 1016     | 6/28/2011 5:31  | 18.49  |                 |              | 9.18            | 8.00 | 4.6               | 1.48            | 106.0 |
| 1017     | 6/28/2011 5:46  | 18.51  |                 |              | 9.13            | 8.00 | 4.8               | 1.54            | 105.5 |
| 1018     | 6/28/2011 6:01  | 18.54  |                 |              | 9.07            | 8.00 | 4.8               | 1.60            | 106.3 |
| 1019     | 6/28/2011 6:16  | 18.57  |                 |              | 8.98            | 7.99 | 6.3               | 1.66            | 104.0 |
| 1020     | 6/28/2011 6:31  | 18.54  |                 |              | 8.96            | 7.98 | 5.6               | 1.73            | 103.6 |
| 1021     | 6/28/2011 6:46  | 18.55  |                 |              | 8.97            | 7.98 | 5.7               | 1.82            | 103.9 |
| 1022     | 6/28/2011 7:01  | 18.53  |                 |              | 8.90            | 7.98 | 6.1               | 1.86            | 103.1 |
| 1023     | 6/28/2011 7:16  | 18.45  |                 |              | 8.99            | 7.98 | 5.3               | 1.95            | 103.8 |
| 1024     | 6/28/2011 7:31  | 18.25  |                 |              | 9.11            | 7.98 | 5.3               | 2.03            | 104.7 |
| 1025     | 6/28/2011 7:46  | 18.07  |                 |              | 9.03            | 7.97 | 6.0               | 2.09            | 103.4 |
| 1026     | 6/28/2011 8:01  | 17.69  |                 |              | 8.76            | 7.95 | 4.8               | 2.17            | 103.0 |
| 1027     | 6/28/2011 8:16  | 17.38  | 48.21           | 31.50        | 8.15            | 7.95 | 5.2               | 2.23            | 102.8 |
| 1028     | 6/28/2011 8:31  | 17.15  | 49.81           | 32.66        | 8.12            | 7.94 | 4.4               | 2.29            | 102.6 |
| 1029     | 6/28/2011 8:46  | 16.98  |                 |              | 8.99            | 7.94 | 4.0               | 2.41            | 102.7 |
| 1030     | 6/28/2011 9:01  | 16.91  |                 |              | 8.89            | 7.94 | 4.3               | 2.48            | 102.7 |
| 1031     | 6/28/2011 9:16  | 16.82  |                 |              | 8.94            | 7.94 | 5.1               | 2.55            | 102.6 |
| 1032     | 6/28/2011 9:31  | 16.48  |                 |              | 9.01            | 7.93 | 4.6               | 2.63            | 102.6 |
| 1033     | 6/28/2011 9:46  | 16.31  |                 |              | 9.03            | 7.92 | 4.6               | 2.68            | 102.3 |
| 1034     | 6/28/2011 10:01 | 16.13  |                 |              | 9.03            | 7.92 | 5.0               | 2.75            | 102.0 |
| 1035     | 6/28/2011 10:16 | 15.89  |                 |              | 9.11            | 7.92 | 4.6               | 2.82            | 102.0 |
| 1036     | 6/28/2011 10:31 | 15.68  |                 |              | 9.18            | 7.92 | 4.7               | 2.87            | 102.2 |
| 1037     | 6/28/2011 10:46 | 15.52  |                 |              | 9.27            | 7.92 | 3.7               | 2.92            | 102.3 |
| 1038     | 6/28/2011 11:01 | 15.35  |                 |              | 9.51            | 7.91 | 4.0               | 2.98            | 102.5 |
| 1039     | 6/28/2011 11:16 | 15.19  |                 |              | 9.52            | 7.91 | 3.6               | 3.01            | 102.5 |
| 1040     | 6/28/2011 11:31 | 15.12  |                 |              | 9.50            | 7.91 | 2.8               | 3.04            | 102.1 |
| 1041     | 6/28/2011 11:46 | 15.05  |                 |              | 9.41            | 7.91 | 2.0               | 3.06            | 100.9 |
| 1042     | 6/28/2011 12:01 | 15.03  |                 |              | 9.19            | 7.90 | 1.0               | 3.07            | 98.6  |
| 1043     | 6/28/2011 12:16 | 14.82  |                 |              | 9.20            | 7.89 | 1.3               | 3.07            | 98.2  |
| 1044     | 6/28/2011 12:31 | 14.88  |                 |              | 9.26            | 7.90 | 2.3               | 3.05            | 99.1  |
| 1045     | 6/28/2011 12:46 | 15.10  |                 |              | 9.25            | 7.90 | 3.0               | 3.00            | 99.6  |
| 1046     | 6/28/2011 13:01 | 15.37  | 49.81           | 32.64        | 8.19            | 7.91 | 3.2               | 2.92            | 99.9  |
| 1047     | 6/28/2011 13:16 | 15.52  |                 |              | 9.32            | 7.92 | 2.6               | 2.92            | 101.1 |
| 1048     | 6/28/2011 13:31 | 15.81  | 49.78           | 32.62        | 8.32            | 7.93 | 3.4               | 2.80            | 102.4 |
| 1049     | 6/28/2011 13:46 | 16.42  | 49.48           | 32.41        | 8.54            | 7.96 | 2.7               | 2.76            | 106.2 |
| 1050     | 6/28/2011 14:01 | 16.57  | 49.76           | 32.62        | 8.79            | 7.97 | 3.2               | 2.71            | 109.8 |
| 1051     | 6/28/2011 14:16 | 16.62  | 49.53           | 32.45        | 8.71            | 7.96 | 2.8               | 2.65            | 108.8 |
| 1052     | 6/28/2011 14:31 | 16.70  | 50.00           | 32.80        | 9.20            | 8.01 | 3.1               | 2.60            | 115.3 |
| 1053     | 6/28/2011 14:46 | 16.75  | 49.83           | 32.67        | 9.18            | 8.00 | 3.2               | 2.57            | 115.1 |
| 1054     | 6/28/2011 15:01 | 16.85  | 49.31           | 32.29        | 8.83            | 7.99 | 2.0               | 2.52            | 110.7 |
| 1055     | 6/28/2011 15:16 | 17.05  |                 |              | 9.82            | 7.99 | 2.1               | 2.53            | 109.9 |
| 1056     | 6/28/2011 15:31 | 16.96  |                 |              | 10.38           | 8.02 | 2.8               | 2.51            | 116.0 |
| 1057     | 6/28/2011 15:46 | 17.34  |                 |              | 9.96            | 8.00 | 2.3               | 2.48            | 112.2 |
| 1058     | 6/28/2011 16:01 | 17.46  |                 |              | 9.80            | 8.00 | 1.1               | 2.47            | 110.7 |
| 1059     | 6/28/2011 16:16 | 16.96  |                 |              | 10.09           | 8.01 | 3.2               | 2.46            | 117.4 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1060     | 6/28/2011 16:31 | 17.10  |                 |              | 9.65            | 8.00 | 2.7               | 2.46            | 114.2 |
| 1061     | 6/28/2011 16:46 | 17.11  |                 |              | 9.38            | 7.99 | 2.7               | 2.49            | 112.0 |
| 1062     | 6/28/2011 17:01 | 17.08  | 49.96           | 32.77        | 8.71            | 7.98 | 2.8               | 2.49            | 110.1 |
| 1063     | 6/28/2011 17:16 | 17.24  |                 |              | 9.04            | 7.98 | 3.4               | 2.54            | 109.4 |
| 1064     | 6/28/2011 17:31 | 17.05  |                 |              | 9.07            | 7.97 | 4.2               | 2.60            | 109.0 |
| 1065     | 6/28/2011 17:46 | 16.95  | 49.16           | 32.18        | 8.63            | 7.96 | 4.1               | 2.62            | 108.3 |
| 1066     | 6/28/2011 18:01 | 16.68  | 48.88           | 31.97        | 8.63            | 7.96 | 3.9               | 2.67            | 107.7 |
| 1067     | 6/28/2011 18:16 | 16.33  | 46.50           | 30.24        | 8.55            | 7.94 | 4.0               | 2.75            | 104.8 |
| 1068     | 6/28/2011 18:31 | 15.93  |                 |              | 9.41            | 7.92 | 4.0               | 2.84            | 103.2 |
| 1069     | 6/28/2011 18:46 | 15.58  |                 |              | 8.93            | 7.93 | 4.9               | 2.88            | 104.2 |
| 1070     | 6/28/2011 19:01 | 15.04  |                 |              | 9.53            | 7.92 | 4.4               | 2.98            | 105.2 |
| 1071     | 6/28/2011 19:16 | 14.87  |                 |              | 9.02            | 7.93 | 4.5               | 3.03            | 105.1 |
| 1072     | 6/28/2011 19:31 | 14.68  |                 |              | 9.96            | 7.93 | 5.0               | 3.13            | 106.2 |
| 1073     | 6/28/2011 19:46 | 14.40  |                 |              | 10.00           | 7.93 | 4.9               | 3.21            | 106.4 |
| 1074     | 6/28/2011 20:01 | 13.97  |                 |              | 9.90            | 7.93 | 5.0               | 3.28            | 106.4 |
| 1075     | 6/28/2011 20:16 | 13.58  | 47.33           | 30.78        | 9.29            | 7.94 | 6.2               | 3.32            | 108.1 |
| 1076     | 6/28/2011 20:31 | 13.24  | 50.37           | 32.98        | 9.68            | 7.97 | 6.6               | 3.38            | 113.3 |
| 1077     | 6/28/2011 20:46 | 12.89  | 50.11           | 32.78        | 10.35           | 8.00 | 5.8               | 3.46            | 120.2 |
| 1078     | 6/28/2011 21:01 | 12.70  | 50.32           | 32.92        | 10.61           | 8.02 | 6.3               | 3.54            | 122.8 |
| 1079     | 6/28/2011 21:16 | 12.47  | 50.28           | 32.88        | 10.67           | 8.02 | 16.0              | 3.58            | 123.0 |
| 1080     | 6/28/2011 21:31 | 12.33  | 49.65           | 32.42        | 10.66           | 8.02 |                   | 3.65            | 122.1 |
| 1081     | 6/28/2011 21:46 | 12.20  | 50.49           | 33.02        | 10.77           | 8.03 |                   | 3.69            | 123.5 |
| 1082     | 6/28/2011 22:01 | 12.11  | 50.52           | 33.04        | 10.86           | 8.04 |                   | 3.73            | 124.3 |
| 1083     | 6/28/2011 22:16 | 12.15  | 50.63           | 33.12        | 10.68           | 8.03 | 2.1               | 3.75            | 122.5 |
| 1084     | 6/28/2011 22:31 | 12.46  | 50.49           | 33.04        | 10.41           | 8.02 | 3.1               | 3.77            | 120.0 |
| 1085     | 6/28/2011 22:46 | 12.15  | 50.43           | 32.98        | 10.49           | 8.02 | 2.0               | 3.76            | 120.1 |
| 1086     | 6/28/2011 23:01 | 12.11  | 50.45           | 32.99        | 10.72           | 8.03 | 2.4               | 3.72            | 122.6 |
| 1087     | 6/28/2011 23:16 | 12.13  | 50.65           | 33.13        | 10.75           | 8.04 | 2.8               | 3.68            | 123.2 |
| 1088     | 6/28/2011 23:31 | 13.44  | 50.31           | 32.94        | 9.38            | 7.96 | 3.3               | 3.63            | 110.3 |
| 1089     | 6/28/2011 23:46 | 13.58  | 49.88           | 32.64        | 9.26            | 7.96 | 3.6               | 3.55            | 109.1 |
| 1090     | 6/29/2011 0:01  | 14.09  | 50.13           | 32.83        | 9.08            | 7.96 | 4.0               | 3.45            | 108.1 |
| 1091     | 6/29/2011 0:16  | 14.48  | 50.16           | 32.87        | 9.13            | 7.98 | 4.5               | 3.35            | 109.6 |
| 1092     | 6/29/2011 0:31  | 14.53  | 49.30           | 32.24        | 9.06            | 7.97 | 4.6               | 3.26            | 108.5 |
| 1093     | 6/29/2011 0:46  | 14.61  |                 |              | 9.88            | 7.96 | 7.4               | 3.20            | 107.0 |
| 1094     | 6/29/2011 1:01  | 14.50  | 49.38           | 32.30        | 9.01            | 7.96 | 4.9               | 3.04            | 107.8 |
| 1095     | 6/29/2011 1:16  | 15.33  | 49.75           | 32.58        | 8.63            | 7.94 | 5.4               | 2.92            | 105.1 |
| 1096     | 6/29/2011 1:31  | 14.92  |                 |              | 9.72            | 7.94 | 5.0               | 2.86            | 104.4 |
| 1097     | 6/29/2011 1:46  | 15.76  | 49.60           | 32.48        | 8.31            | 7.94 | 5.7               | 2.71            | 102.1 |
| 1098     | 6/29/2011 2:01  | 15.64  | 49.93           | 32.72        | 8.25            | 7.93 | 4.8               | 2.57            | 101.3 |
| 1099     | 6/29/2011 2:16  | 15.42  | 50.00           | 32.77        | 8.17            | 7.92 | 5.2               | 2.45            | 99.9  |
| 1100     | 6/29/2011 2:31  | 16.19  |                 |              | 9.19            | 7.94 | 7.6               | 2.38            | 101.5 |
| 1101     | 6/29/2011 2:46  | 16.28  | 49.32           | 32.29        | 8.13            | 7.95 | 7.0               | 2.22            | 100.9 |
| 1102     | 6/29/2011 3:01  | 16.51  | 49.83           | 32.67        | 8.11            | 7.95 | 6.5               | 2.09            | 101.2 |
| 1103     | 6/29/2011 3:16  | 16.71  | 49.66           | 32.54        | 8.10            | 7.96 | 6.7               | 1.95            | 101.4 |
| 1104     | 6/29/2011 3:31  | 16.84  |                 |              | 9.01            | 7.96 | 6.8               | 1.86            | 100.9 |
| 1105     | 6/29/2011 3:46  | 17.09  |                 |              | 8.70            | 7.97 | 6.2               | 1.73            | 100.3 |
| 1106     | 6/29/2011 4:01  | 17.26  |                 |              | 8.70            | 7.96 | 5.7               | 1.60            | 99.3  |
| 1107     | 6/29/2011 4:16  | 17.56  |                 |              | 8.66            | 7.97 | 5.6               | 1.50            | 99.4  |
| 1108     | 6/29/2011 4:31  | 17.62  | 49.64           | 32.54        | 7.76            | 7.97 | 5.0               | 1.39            | 98.9  |
| 1109     | 6/29/2011 4:46  | 17.98  | 49.84           | 32.69        | 7.71            | 7.98 | 4.6               | 1.30            | 99.0  |
| 1110     | 6/29/2011 5:01  | 18.07  | 49.58           | 32.50        | 7.64            | 7.98 | 6.8               | 1.27            | 98.2  |
| 1111     | 6/29/2011 5:16  | 18.21  | 49.55           | 32.48        | 7.61            | 7.98 | 3.8               | 1.23            | 98.0  |
| 1112     | 6/29/2011 5:31  | 18.06  | 49.60           | 32.51        | 7.42            | 7.97 | 4.7               | 1.25            | 95.3  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1113     | 6/29/2011 5:46  | 18.15  | 49.23  | 32.24        | 7.67    | 7.98 | 4.2               | 1.28            | 98.6  |
| 1114     | 6/29/2011 6:01  | 18.18  | 49.26  | 32.26        | 7.70    | 7.98 | 4.4               | 1.32            | 99.0  |
| 1115     | 6/29/2011 6:16  | 18.12  | 49.46  | 32.41        | 7.65    | 7.97 | 4.6               | 1.37            | 98.4  |
| 1116     | 6/29/2011 6:31  | 18.15  | 49.66  | 32.56        | 7.68    | 7.98 | 3.8               | 1.44            | 98.9  |
| 1117     | 6/29/2011 6:46  | 18.07  |        |              | 7.84    | 7.98 | 4.9               | 1.53            | 98.6  |
| 1118     | 6/29/2011 7:01  | 18.01  | 49.21  | 32.23        | 7.63    | 7.96 | 6.5               | 1.58            | 97.8  |
| 1119     | 6/29/2011 7:16  | 17.99  | 48.80  | 31.92        | 7.57    | 7.95 | 6.2               | 1.65            | 96.8  |
| 1120     | 6/29/2011 7:31  | 17.96  | 48.73  | 31.88        | 7.54    | 7.95 | 6.0               | 1.73            | 96.3  |
| 1121     | 6/29/2011 7:46  | 17.93  | 48.59  | 31.77        | 7.50    | 7.94 | 6.5               | 1.81            | 95.6  |
| 1122     | 6/29/2011 8:01  | 17.84  | 49.02  | 32.08        | 7.51    | 7.94 | 5.7               | 1.87            | 95.8  |
| 1123     | 6/29/2011 8:16  | 17.78  | 49.03  | 32.09        | 7.50    | 7.94 | 5.6               | 1.96            | 95.6  |
| 1124     | 6/29/2011 8:31  | 17.48  | 49.28  | 32.28        | 7.65    | 7.95 | 7.9               | 2.06            | 97.1  |
| 1125     | 6/29/2011 8:46  | 17.17  | 49.53  | 32.46        | 7.60    | 7.93 | 6.2               | 2.14            | 96.0  |
| 1126     | 6/29/2011 9:01  | 17.02  | 49.60  | 32.51        | 7.63    | 7.93 | 5.6               | 2.23            | 96.1  |
| 1127     | 6/29/2011 9:16  | 16.77  | 49.80  | 32.65        | 7.68    | 7.92 | 5.4               | 2.32            | 96.4  |
| 1128     | 6/29/2011 9:31  | 16.60  | 49.75  | 32.61        | 7.75    | 7.92 | 5.2               | 2.41            | 96.9  |
| 1129     | 6/29/2011 9:46  | 16.51  | 50.00  | 32.79        | 7.76    | 7.92 | 4.8               | 2.49            | 97.0  |
| 1130     | 6/29/2011 10:01 | 16.47  | 49.66  | 32.54        | 7.80    | 7.92 | 4.7               | 2.56            | 97.2  |
| 1131     | 6/29/2011 10:16 | 16.27  | 49.79  | 32.63        | 7.84    | 7.92 | 4.8               | 2.65            | 97.4  |
| 1132     | 6/29/2011 10:31 | 16.06  | 49.84  | 32.67        | 7.87    | 7.92 | 5.1               | 2.72            | 97.4  |
| 1133     | 6/29/2011 10:46 | 15.86  | 49.83  | 32.66        | 7.94    | 7.92 | 4.4               | 2.78            | 97.9  |
| 1134     | 6/29/2011 11:01 | 15.49  | 49.61  | 32.49        | 8.10    | 7.91 | 5.4               | 2.86            | 99.0  |
| 1135     | 6/29/2011 11:16 | 15.26  | 50.12  | 32.86        | 8.18    | 7.92 | 5.1               | 2.91            | 99.8  |
| 1136     | 6/29/2011 11:31 | 15.17  | 49.62  | 32.49        | 8.25    | 7.92 | 4.8               | 2.97            | 100.2 |
| 1137     | 6/29/2011 11:46 | 15.08  | 49.79  | 32.61        | 8.31    | 7.92 | 4.2               | 3.01            | 100.9 |
| 1138     | 6/29/2011 12:01 | 14.82  | 49.84  | 32.64        | 8.42    | 7.92 | 4.1               | 3.05            | 101.6 |
| 1139     | 6/29/2011 12:16 | 14.31  | 50.12  | 32.83        | 8.73    | 7.94 | 4.4               | 3.10            | 104.4 |
| 1140     | 6/29/2011 12:31 | 14.20  | 49.79  | 32.59        | 8.82    | 7.95 | 2.2               | 3.10            | 105.1 |
| 1141     | 6/29/2011 12:46 | 14.33  | 50.03  | 32.77        | 8.32    | 7.93 | 0.6               | 3.10            | 99.6  |
| 1142     | 6/29/2011 13:01 | 14.34  | 49.85  | 32.64        | 8.49    | 7.93 | 1.3               | 3.10            | 101.5 |
| 1143     | 6/29/2011 13:16 | 14.41  | 50.14  | 32.85        | 8.56    | 7.94 | 2.6               | 3.09            | 102.6 |
| 1144     | 6/29/2011 13:31 | 14.67  | 49.83  | 32.63        | 8.38    | 7.93 | 3.8               | 3.03            | 100.8 |
| 1145     | 6/29/2011 13:46 | 15.64  | 49.28  | 32.25        | 8.39    | 7.94 | 4.0               | 2.97            | 102.7 |
| 1146     | 6/29/2011 14:01 | 15.87  | 49.98  | 32.77        | 8.45    | 7.95 | 5.8               | 2.93            | 104.2 |
| 1147     | 6/29/2011 14:16 | 16.51  | 49.96  | 32.76        | 8.91    | 7.99 | 3.4               | 2.88            | 111.3 |
| 1148     | 6/29/2011 14:31 | 16.65  | 49.69  | 32.57        | 8.85    | 7.98 | 2.8               | 2.81            | 110.7 |
| 1149     | 6/29/2011 14:46 | 16.65  | 49.56  | 32.47        | 8.70    | 7.97 | 2.6               | 2.74            | 108.8 |
| 1150     | 6/29/2011 15:01 | 17.13  | 48.30  | 31.56        | 9.28    | 8.01 | 3.7               | 2.69            | 116.4 |
| 1151     | 6/29/2011 15:16 | 17.15  | 49.73  | 32.60        | 8.87    | 8.00 | 3.0               | 2.65            | 112.0 |
| 1152     | 6/29/2011 15:31 | 17.40  | 50.09  | 32.87        | 9.12    | 8.01 | 2.4               | 2.59            | 115.9 |
| 1153     | 6/29/2011 15:46 | 17.71  | 49.56  | 32.48        | 9.69    | 8.05 | 3.1               | 2.53            | 123.6 |
| 1154     | 6/29/2011 16:01 | 17.85  | 49.51  | 32.44        | 9.83    | 8.06 | 3.1               | 2.52            | 125.7 |
| 1155     | 6/29/2011 16:16 | 17.91  | 49.85  | 32.69        | 10.07   | 8.07 | 3.2               | 2.48            | 129.1 |
| 1156     | 6/29/2011 16:31 | 18.04  | 49.50  | 32.44        | 9.65    | 8.05 | 1.8               | 2.44            | 123.8 |
| 1157     | 6/29/2011 16:46 | 18.08  | 49.74  | 32.61        | 9.42    | 8.05 | 2.0               | 2.44            | 121.1 |
| 1158     | 6/29/2011 17:01 | 18.10  | 49.61  | 32.52        | 9.88    | 8.07 | 4.7               | 2.44            | 127.0 |
| 1159     | 6/29/2011 17:16 | 17.80  | 49.66  | 32.55        | 9.87    | 8.05 | 2.9               | 2.43            | 126.3 |
| 1160     | 6/29/2011 17:31 | 17.94  | 49.61  | 32.52        | 9.70    | 8.05 | 2.1               | 2.47            | 124.4 |
| 1161     | 6/29/2011 17:46 | 17.90  | 49.75  | 32.62        | 9.70    | 8.05 | 2.4               | 2.48            | 124.3 |
| 1162     | 6/29/2011 18:01 | 17.64  | 49.37  | 32.34        | 9.16    | 8.01 | 3.3               | 2.53            | 116.6 |
| 1163     | 6/29/2011 18:16 | 17.42  | 48.60  | 31.78        | 9.00    | 7.99 | 3.8               | 2.58            | 113.7 |
| 1164     | 6/29/2011 18:31 | 17.70  | 49.57  | 32.49        | 9.12    | 8.01 | 4.1               | 2.62            | 116.3 |
| 1165     | 6/29/2011 18:46 | 17.39  | 49.64  | 32.54        | 8.88    | 7.99 | 3.6               | 2.69            | 112.6 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1166     | 6/29/2011 19:01 | 16.97  | 49.95  | 32.76        | 8.83    | 7.98 | 3.7        | 2.76   | 111.3 |
| 1167     | 6/29/2011 19:16 | 16.48  | 49.97  | 32.77        | 8.81    | 7.97 | 4.4        | 2.83   | 110.0 |
| 1168     | 6/29/2011 19:31 | 15.85  | 49.91  | 32.72        | 8.89    | 7.96 | 4.0        | 2.90   | 109.5 |
| 1169     | 6/29/2011 19:46 | 15.52  | 49.94  | 32.73        | 9.01    | 7.97 | 4.2        | 2.97   | 110.3 |
| 1170     | 6/29/2011 20:01 | 14.98  | 49.85  | 32.66        | 9.17    | 7.97 | 4.6        | 3.05   | 111.0 |
| 1171     | 6/29/2011 20:16 | 14.78  | 50.06  | 32.80        | 9.29    | 7.98 | 5.2        | 3.13   | 112.1 |
| 1172     | 6/29/2011 20:31 | 14.50  | 50.12  | 32.84        | 9.33    | 7.98 | 5.7        | 3.20   | 112.1 |
| 1173     | 6/29/2011 20:46 | 14.07  | 50.29  | 32.95        | 9.47    | 7.98 | 7.1        | 3.29   | 112.8 |
| 1174     | 6/29/2011 21:01 | 13.68  |        |              | 10.68   | 8.00 | 7.1        | 3.41   | 115.7 |
| 1175     | 6/29/2011 21:16 | 13.42  | 49.94  | 32.67        | 10.20   | 8.02 | 7.0        | 3.45   | 119.7 |
| 1176     | 6/29/2011 21:31 | 13.17  | 50.27  | 32.90        | 10.61   | 8.04 | 6.5        | 3.52   | 124.1 |
| 1177     | 6/29/2011 21:46 | 12.94  | 50.24  | 32.87        | 11.09   | 8.07 | 6.8        | 3.60   | 129.1 |
| 1178     | 6/29/2011 22:01 | 12.75  | 49.98  | 32.68        | 11.41   | 8.09 | 7.0        | 3.67   | 132.1 |
| 1179     | 6/29/2011 22:16 | 12.61  | 50.37  | 32.95        | 11.61   | 8.10 | 6.4        | 3.72   | 134.2 |
| 1180     | 6/29/2011 22:31 | 12.52  | 50.02  | 32.69        | 11.74   | 8.11 | 6.0        | 3.78   | 135.3 |
| 1181     | 6/29/2011 22:46 | 12.38  | 50.07  | 32.72        | 11.94   | 8.12 | 4.6        | 3.81   | 137.1 |
| 1182     | 6/29/2011 23:01 | 12.44  | 50.46  | 33.01        | 11.72   | 8.12 | 2.0        | 3.83   | 135.1 |
| 1183     | 6/29/2011 23:16 | 12.77  | 50.05  | 32.73        | 11.12   | 8.09 | 2.4        | 3.85   | 128.8 |
| 1184     | 6/29/2011 23:31 | 12.53  | 50.40  | 32.97        | 11.35   | 8.09 | 7.2        | 3.82   | 131.0 |
| 1185     | 6/29/2011 23:46 | 12.56  | 50.18  | 32.81        | 11.50   | 8.10 | 4.4        | 3.79   | 132.7 |
| 1186     | 6/30/2011 0:01  | 12.69  | 50.21  | 32.84        | 11.28   | 8.09 | 4.4        | 3.74   | 130.5 |
| 1187     | 6/30/2011 0:16  | 13.50  | 50.14  | 32.82        | 9.94    | 8.02 | 4.6        | 3.66   | 117.0 |
| 1188     | 6/30/2011 0:31  | 13.86  | 50.16  | 32.85        | 10.12   | 8.04 | 4.3        | 3.57   | 120.0 |
| 1189     | 6/30/2011 0:46  | 14.66  | 50.13  | 32.85        | 9.52    | 8.01 | 5.6        | 3.48   | 114.7 |
| 1190     | 6/30/2011 1:01  | 14.40  | 49.87  | 32.65        | 9.73    | 8.03 | 4.6        | 3.38   | 116.5 |
| 1191     | 6/30/2011 1:16  | 14.20  | 50.21  | 32.90        | 9.79    | 8.02 | 5.0        | 3.27   | 116.9 |
| 1192     | 6/30/2011 1:31  | 14.48  | 50.04  | 32.78        | 9.61    | 8.02 | 4.1        | 3.16   | 115.4 |
| 1193     | 6/30/2011 1:46  | 15.34  | 49.83  | 32.65        | 8.99    | 7.99 | 4.9        | 3.04   | 109.6 |
| 1194     | 6/30/2011 2:01  | 15.13  | 49.96  | 32.74        | 9.00    | 7.98 | 4.9        | 2.92   | 109.4 |
| 1195     | 6/30/2011 2:16  | 15.67  | 49.84  | 32.66        | 8.63    | 7.97 | 4.5        | 2.82   | 105.9 |
| 1196     | 6/30/2011 2:31  | 15.61  | 49.87  | 32.68        | 8.51    | 7.95 | 5.6        | 2.68   | 104.3 |
| 1197     | 6/30/2011 2:46  | 15.66  | 49.87  | 32.68        | 8.51    | 7.96 | 5.4        | 2.56   | 104.4 |
| 1198     | 6/30/2011 3:01  | 16.21  | 49.84  | 32.67        | 8.61    | 7.98 | 7.3        | 2.44   | 106.8 |
| 1199     | 6/30/2011 3:16  | 16.62  | 49.76  | 32.62        | 8.45    | 7.98 | 7.9        | 2.29   | 105.6 |
| 1200     | 6/30/2011 3:31  | 16.72  | 49.66  | 32.55        | 8.34    | 7.99 | 9.3        | 2.14   | 104.5 |
| 1201     | 6/30/2011 3:46  | 16.88  | 49.65  | 32.54        | 8.36    | 7.99 | 7.8        | 2.00   | 105.0 |
| 1202     | 6/30/2011 4:01  | 17.12  | 49.71  | 32.59        | 8.37    | 7.99 | 6.3        | 1.87   | 105.6 |
| 1203     | 6/30/2011 4:16  | 17.07  | 49.59  | 32.50        | 8.22    | 7.98 | 6.6        | 1.72   | 103.6 |
| 1204     | 6/30/2011 4:31  | 17.25  | 49.63  | 32.53        | 8.14    | 7.98 | 6.6        | 1.59   | 102.9 |
| 1205     | 6/30/2011 4:46  | 17.41  | 49.92  | 32.74        | 8.06    | 7.98 | 7.1        | 1.46   | 102.4 |
| 1206     | 6/30/2011 5:01  | 17.70  | 49.63  | 32.53        | 8.05    | 7.98 | 6.2        | 1.35   | 102.7 |
| 1207     | 6/30/2011 5:16  | 17.73  | 49.27  | 32.27        | 7.98    | 7.98 | 4.9        | 1.26   | 101.7 |
| 1208     | 6/30/2011 5:31  | 18.22  | 49.15  | 32.18        | 7.87    | 7.99 | 8.5        | 1.18   | 101.2 |
| 1209     | 6/30/2011 5:46  | 18.15  | 49.25  | 32.26        | 7.87    | 7.98 | 4.8        | 1.14   | 101.1 |
| 1210     | 6/30/2011 6:01  | 18.13  | 49.04  | 32.10        | 7.89    | 7.98 | 5.6        | 1.13   | 101.2 |
| 1211     | 6/30/2011 6:16  | 18.16  | 49.32  | 32.31        | 7.83    | 7.98 | 4.5        | 1.16   | 100.7 |
| 1212     | 6/30/2011 6:31  | 18.07  | 48.90  | 32.00        | 7.88    | 7.98 | 4.3        | 1.19   | 100.9 |
| 1213     | 6/30/2011 6:46  | 18.05  | 49.10  | 32.14        | 7.87    | 7.97 | 4.8        | 1.27   | 100.8 |
| 1214     | 6/30/2011 7:01  | 18.08  | 49.46  | 32.41        | 7.89    | 7.98 | 4.7        | 1.34   | 101.4 |
| 1215     | 6/30/2011 7:16  | 18.09  | 49.54  | 32.47        | 7.87    | 7.98 | 4.5        | 1.39   | 101.2 |
| 1216     | 6/30/2011 7:31  | 18.05  | 48.77  | 31.90        | 7.87    | 7.97 | 6.0        | 1.48   | 100.7 |
| 1217     | 6/30/2011 7:46  | 18.05  | 49.03  | 32.10        | 7.79    | 7.96 | 5.7        | 1.52   | 99.8  |
| 1218     | 6/30/2011 8:01  | 18.01  | 49.08  | 32.13        | 7.77    | 7.96 | 6.0        | 1.60   | 99.6  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1219     | 6/30/2011 8:16  | 17.92  | 49.17  | 32.20        | 7.78    | 7.96 | 5.5               | 1.69            | 99.5  |
| 1220     | 6/30/2011 8:31  | 17.87  | 48.96  | 32.05        | 7.74    | 7.95 | 6.2               | 1.76            | 98.7  |
| 1221     | 6/30/2011 8:46  | 17.79  | 49.15  | 32.18        | 7.74    | 7.95 | 6.4               | 1.85            | 98.8  |
| 1222     | 6/30/2011 9:01  | 17.63  | 48.73  | 31.88        | 7.80    | 7.95 | 7.3               | 1.94            | 99.0  |
| 1223     | 6/30/2011 9:16  | 17.37  | 49.31  | 32.29        | 7.81    | 7.94 | 6.0               | 2.04            | 98.9  |
| 1224     | 6/30/2011 9:31  | 17.34  | 48.77  | 31.90        | 7.84    | 7.94 | 6.0               | 2.13            | 99.0  |
| 1225     | 6/30/2011 9:46  | 17.29  | 48.82  | 31.93        | 7.88    | 7.94 | 5.3               | 2.25            | 99.4  |
| 1226     | 6/30/2011 10:01 | 16.83  | 49.62  | 32.52        | 7.96    | 7.93 | 4.6               | 2.34            | 99.9  |
| 1227     | 6/30/2011 10:16 | 16.74  | 49.49  | 32.42        | 7.99    | 7.93 | 5.4               | 2.42            | 100.1 |
| 1228     | 6/30/2011 10:31 | 16.66  | 49.79  | 32.64        | 8.06    | 7.94 | 5.5               | 2.53            | 100.9 |
| 1229     | 6/30/2011 10:46 | 16.48  | 49.74  | 32.60        | 8.13    | 7.94 | 5.7               | 2.61            | 101.4 |
| 1230     | 6/30/2011 11:01 | 16.34  | 49.91  | 32.73        | 8.21    | 7.95 | 5.6               | 2.70            | 102.2 |
| 1231     | 6/30/2011 11:16 | 16.17  | 49.82  | 32.65        | 8.29    | 7.95 | 5.1               | 2.76            | 102.8 |
| 1232     | 6/30/2011 11:31 | 15.86  | 49.53  | 32.43        | 8.41    | 7.95 | 5.4               | 2.84            | 103.5 |
| 1233     | 6/30/2011 11:46 | 15.56  | 49.88  | 32.68        | 8.57    | 7.96 | 6.8               | 2.92            | 105.0 |
| 1234     | 6/30/2011 12:01 | 15.27  | 49.75  | 32.59        | 8.71    | 7.96 | 6.5               | 2.97            | 106.1 |
| 1235     | 6/30/2011 12:16 | 14.96  | 49.78  | 32.60        | 8.87    | 7.97 | 7.3               | 3.03            | 107.3 |
| 1236     | 6/30/2011 12:31 | 14.58  | 50.03  | 32.77        | 9.09    | 7.98 | 6.6               | 3.08            | 109.3 |
| 1237     | 6/30/2011 12:46 | 14.28  | 50.01  | 32.75        | 9.32    | 7.99 | 5.2               | 3.12            | 111.3 |
| 1238     | 6/30/2011 13:01 | 14.16  | 50.01  | 32.74        | 9.40    | 7.99 | 4.3               | 3.14            | 112.0 |
| 1239     | 6/30/2011 13:16 | 14.53  | 50.10  | 32.82        | 9.31    | 8.00 | 3.6               | 3.15            | 111.8 |
| 1240     | 6/30/2011 13:31 | 14.12  | 49.95  | 32.70        | 8.95    | 7.98 | 1.0               | 3.15            | 106.6 |
| 1241     | 6/30/2011 13:46 | 14.19  | 50.03  | 32.76        | 9.11    | 7.98 | 3.4               | 3.13            | 108.7 |
| 1242     | 6/30/2011 14:01 | 14.47  | 49.81  | 32.61        | 9.09    | 7.98 | 4.8               | 3.09            | 109.0 |
| 1243     | 6/30/2011 14:16 | 15.55  | 49.62  | 32.50        | 8.92    | 7.99 | 5.8               | 3.04            | 109.1 |
| 1244     | 6/30/2011 14:31 | 16.04  | 49.70  | 32.57        | 9.08    | 8.01 | 8.2               | 2.98            | 112.3 |
| 1245     | 6/30/2011 14:46 | 16.17  | 49.38  | 32.33        | 9.14    | 8.01 | 7.8               | 2.94            | 113.1 |
| 1246     | 6/30/2011 15:01 | 16.20  | 49.64  | 32.53        | 9.35    | 8.02 | 7.7               | 2.85            | 115.8 |
| 1247     | 6/30/2011 15:16 | 16.26  | 49.83  | 32.66        | 9.41    | 8.02 | 11.5              | 2.78            | 116.9 |
| 1248     | 6/30/2011 15:31 | 16.41  | 49.47  | 32.40        | 9.29    | 8.02 | 8.2               | 2.73            | 115.6 |
| 1249     | 6/30/2011 15:46 | 16.66  | 49.56  | 32.47        | 9.16    | 8.02 | 9.0               | 2.66            | 114.5 |
| 1250     | 6/30/2011 16:01 | 16.90  | 49.38  | 32.34        | 9.20    | 8.04 | 9.5               | 2.61            | 115.5 |
| 1251     | 6/30/2011 16:16 | 17.09  | 49.55  | 32.47        | 9.11    | 8.04 | 8.2               | 2.54            | 114.9 |
| 1252     | 6/30/2011 16:31 | 17.32  | 49.69  | 32.58        | 9.10    | 8.03 | 9.9               | 2.48            | 115.3 |
| 1253     | 6/30/2011 16:46 | 17.74  | 49.23  | 32.24        | 8.83    | 8.03 | 9.8               | 2.46            | 112.6 |
| 1254     | 6/30/2011 17:01 | 18.01  | 49.12  | 32.16        | 8.76    | 8.02 | 9.3               | 2.41            | 112.1 |
| 1255     | 6/30/2011 17:16 | 18.09  | 49.28  | 32.28        | 8.83    | 8.04 | 8.4               | 2.37            | 113.3 |
| 1256     | 6/30/2011 17:31 | 18.23  | 49.40  | 32.37        | 8.83    | 8.06 | 6.8               | 2.37            | 113.7 |
| 1257     | 6/30/2011 17:46 | 18.26  | 49.40  | 32.37        | 8.46    | 8.02 | 4.9               | 2.36            | 109.0 |
| 1258     | 6/30/2011 18:01 | 18.17  | 49.20  | 32.22        | 8.95    | 8.05 | 7.9               | 2.38            | 115.1 |
| 1259     | 6/30/2011 18:16 | 18.02  | 49.41  | 32.37        | 8.71    | 8.02 | 7.5               | 2.38            | 111.7 |
| 1260     | 6/30/2011 18:31 | 18.07  | 48.97  | 32.05        | 8.60    | 8.00 | 6.7               | 2.43            | 110.2 |
| 1261     | 6/30/2011 18:46 | 18.04  | 49.07  | 32.12        | 8.47    | 7.99 | 8.6               | 2.48            | 108.5 |
| 1262     | 6/30/2011 19:01 | 17.83  | 49.02  | 32.09        | 8.40    | 7.98 | 7.4               | 2.53            | 107.2 |
| 1263     | 6/30/2011 19:16 | 17.68  | 49.19  | 32.21        | 8.52    | 7.98 | 7.3               | 2.59            | 108.5 |
| 1264     | 6/30/2011 19:31 | 17.92  | 48.88  | 31.99        | 8.46    | 7.98 | 8.4               | 2.65            | 108.1 |
| 1265     | 6/30/2011 19:46 | 17.73  | 49.31  | 32.30        | 8.42    | 7.97 | 6.7               | 2.73            | 107.4 |
| 1266     | 6/30/2011 20:01 | 17.42  | 49.31  | 32.30        | 8.45    | 7.97 | 7.2               | 2.79            | 107.2 |
| 1267     | 6/30/2011 20:16 | 16.80  | 49.50  | 32.43        | 8.73    | 7.98 | 7.1               | 2.88            | 109.5 |
| 1268     | 6/30/2011 20:31 | 16.17  | 49.81  | 32.65        | 9.00    | 8.00 | 6.1               | 2.95            | 111.6 |
| 1269     | 6/30/2011 20:46 | 15.27  | 49.69  | 32.54        | 9.30    | 8.00 | 8.2               | 3.02            | 113.3 |
| 1270     | 6/30/2011 21:01 | 14.99  | 49.90  | 32.69        | 9.35    | 8.01 | 7.3               | 3.10            | 113.3 |
| 1271     | 6/30/2011 21:16 | 14.61  | 49.75  | 32.57        | 9.45    | 8.01 | 8.4               | 3.19            | 113.6 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time     | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                 |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1272     | 6/30/2011 21:31 | 14.43  | 49.90  | 32.68        | 9.41    | 8.01 | 8.5               | 3.28            | 112.8 |
| 1273     | 6/30/2011 21:46 | 14.30  | 49.88  | 32.66        | 9.48    | 8.00 | 9.5               | 3.36            | 113.2 |
| 1274     | 6/30/2011 22:01 | 13.92  | 49.87  | 32.64        | 9.65    | 8.02 | 11.0              | 3.44            | 114.4 |
| 1275     | 6/30/2011 22:16 | 13.68  | 49.80  | 32.58        | 9.86    | 8.03 | 9.0               | 3.53            | 116.2 |
| 1276     | 6/30/2011 22:31 | 13.33  | 49.99  | 32.71        | 10.20   | 8.05 | 8.8               | 3.61            | 119.5 |
| 1277     | 6/30/2011 22:46 | 13.02  | 50.10  | 32.77        | 10.46   | 8.06 | 8.4               | 3.67            | 121.8 |
| 1278     | 6/30/2011 23:01 | 12.85  | 50.35  | 32.95        | 10.52   | 8.06 | 7.9               | 3.74            | 122.3 |
| 1279     | 6/30/2011 23:16 | 12.60  | 50.12  | 32.77        | 10.61   | 8.06 | 7.4               | 3.79            | 122.5 |
| 1280     | 6/30/2011 23:31 | 12.45  | 50.30  | 32.90        | 10.66   | 8.07 | 4.7               | 3.82            | 122.7 |
| 1281     | 6/30/2011 23:46 | 12.40  | 50.32  | 32.91        | 10.59   | 8.07 | 2.3               | 3.85            | 121.9 |
| 1282     | 7/1/2011 0:01   | 12.72  | 50.37  | 32.96        | 10.11   | 8.05 | 1.5               | 3.85            | 117.1 |
| 1283     | 7/1/2011 0:16   | 12.59  | 50.33  | 32.92        | 10.17   | 8.05 | 3.6               | 3.83            | 117.6 |
| 1284     | 7/1/2011 0:31   | 12.67  | 50.18  | 32.82        | 10.18   | 8.05 | 4.6               | 3.80            | 117.7 |
| 1285     | 7/1/2011 0:46   | 13.07  | 50.17  | 32.82        | 9.76    | 8.03 | 5.7               | 3.73            | 113.8 |
| 1286     | 7/1/2011 1:01   | 13.15  | 50.01  | 32.71        | 9.77    | 8.03 | 5.9               | 3.65            | 114.0 |
| 1287     | 7/1/2011 1:16   | 13.71  | 49.87  | 32.63        | 9.51    | 8.02 | 7.9               | 3.56            | 112.2 |
| 1288     | 7/1/2011 1:31   | 14.45  | 49.62  | 32.47        | 8.98    | 8.00 | 7.7               | 3.45            | 107.5 |
| 1289     | 7/1/2011 1:46   | 14.65  | 49.69  | 32.53        | 8.94    | 8.01 | 7.5               | 3.34            | 107.5 |
| 1290     | 7/1/2011 2:01   | 14.68  | 49.79  | 32.60        | 8.94    | 8.01 | 8.4               | 3.23            | 107.6 |
| 1291     | 7/1/2011 2:16   | 14.77  | 49.52  | 32.41        | 8.83    | 8.00 | 6.8               | 3.11            | 106.3 |
| 1292     | 7/1/2011 2:31   | 15.10  | 49.71  | 32.55        | 8.55    | 7.99 | 6.7               | 2.99            | 103.7 |
| 1293     | 7/1/2011 2:46   | 15.83  | 49.59  | 32.48        | 8.28    | 7.97 | 10.2              | 2.87            | 101.8 |
| 1294     | 7/1/2011 3:01   | 15.97  | 49.71  | 32.57        | 8.24    | 7.98 | 11.1              | 2.73            | 101.7 |
| 1295     | 7/1/2011 3:16   | 16.00  | 49.60  | 32.49        | 8.20    | 7.97 | 10.9              | 2.61            | 101.3 |
| 1296     | 7/1/2011 3:31   | 15.83  | 49.46  | 32.39        | 8.24    | 7.97 | 10.2              | 2.46            | 101.3 |
| 1297     | 7/1/2011 3:46   | 15.83  | 49.79  | 32.63        | 8.17    | 7.97 | 12.6              | 2.31            | 100.6 |
| 1298     | 7/1/2011 4:01   | 16.07  | 49.69  | 32.56        | 8.02    | 7.97 | 14.5              | 2.17            | 99.2  |
| 1299     | 7/1/2011 4:16   | 16.12  | 49.80  | 32.64        | 7.90    | 7.96 | 12.8              | 2.03            | 97.8  |
| 1300     | 7/1/2011 4:31   | 16.46  | 49.91  | 32.73        | 7.71    | 7.96 | 12.1              | 1.89            | 96.2  |
| 1301     | 7/1/2011 4:46   | 16.69  | 49.70  | 32.57        | 7.56    | 7.95 | 12.1              | 1.73            | 94.6  |
| 1302     | 7/1/2011 5:01   | 16.84  | 49.55  | 32.47        | 7.44    | 7.94 | 10.6              | 1.59            | 93.3  |
| 1303     | 7/1/2011 5:16   | 17.22  | 49.46  | 32.40        | 7.37    | 7.95 | 12.6              | 1.46            | 93.1  |
| 1304     | 7/1/2011 5:31   | 17.42  | 49.27  | 32.26        | 7.28    | 7.94 | 11.0              | 1.32            | 92.3  |
| 1305     | 7/1/2011 5:46   | 17.51  | 49.17  | 32.20        | 7.23    | 7.94 | 11.2              | 1.21            | 91.7  |
| 1306     | 7/1/2011 6:01   | 17.63  | 49.34  | 32.32        | 7.05    | 7.94 | 9.3               | 1.12            | 89.8  |
| 1307     | 7/1/2011 6:16   | 17.78  | 49.16  | 32.19        | 6.97    | 7.93 | 8.8               | 1.04            | 88.9  |
| 1308     | 7/1/2011 6:31   | 17.79  | 49.27  | 32.27        | 7.04    | 7.94 | 8.4               | 1.02            | 89.8  |
| 1309     | 7/1/2011 6:46   | 17.62  | 49.43  | 32.39        | 7.08    | 7.93 | 9.6               | 1.02            | 90.2  |
| 1310     | 7/1/2011 7:01   | 17.88  | 49.16  | 32.19        | 7.06    | 7.93 | 8.4               | 1.07            | 90.3  |
| 1311     | 7/1/2011 7:16   | 17.82  | 49.34  | 32.32        | 7.06    | 7.93 | 8.2               | 1.13            | 90.2  |
| 1312     | 7/1/2011 7:31   | 17.81  | 49.21  | 32.23        | 7.01    | 7.93 | 7.6               | 1.19            | 89.5  |
| 1313     | 7/1/2011 7:46   | 17.81  | 49.27  | 32.27        | 7.01    | 7.93 | 8.1               | 1.26            | 89.4  |
| 1314     | 7/1/2011 8:01   | 17.76  | 48.85  | 31.96        | 7.01    | 7.92 | 8.5               | 1.34            | 89.2  |
| 1315     | 7/1/2011 8:16   | 17.70  | 48.27  | 31.54        | 6.98    | 7.91 | 9.8               | 1.41            | 88.5  |
| 1316     | 7/1/2011 8:31   | 17.71  | 48.66  | 31.83        | 6.96    | 7.92 | 8.7               | 1.48            | 88.4  |
| 1317     | 7/1/2011 8:46   | 17.66  | 48.82  | 31.94        | 6.92    | 7.91 | 9.0               | 1.56            | 87.9  |
| 1318     | 7/1/2011 9:01   | 17.58  | 48.90  | 32.00        | 6.92    | 7.91 | 8.5               | 1.64            | 87.9  |
| 1319     | 7/1/2011 9:16   | 17.53  | 48.79  | 31.92        | 6.90    | 7.91 | 8.3               | 1.72            | 87.4  |
| 1320     | 7/1/2011 9:31   | 17.34  | 49.10  | 32.14        | 6.99    | 7.92 | 10.1              | 1.82            | 88.4  |
| 1321     | 7/1/2011 9:46   | 17.22  | 48.87  | 31.97        | 7.16    | 7.92 | 9.2               | 1.93            | 90.2  |
| 1322     | 7/1/2011 10:01  | 17.25  | 48.55  | 31.74        | 7.34    | 7.93 | 6.2               | 2.03            | 92.5  |
| 1323     | 7/1/2011 10:16  | 16.63  | 49.47  | 32.41        | 7.48    | 7.93 | 7.3               | 2.13            | 93.4  |
| 1324     | 7/1/2011 10:31  | 16.55  | 49.46  | 32.40        | 7.60    | 7.95 | 7.0               | 2.23            | 94.8  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1325     | 7/1/2011 10:46 | 16.52  | 49.39  | 32.34        | 7.67    | 7.95 | 8.7        | 2.35   | 95.5  |
| 1326     | 7/1/2011 11:01 | 16.38  | 49.68  | 32.56        | 7.72    | 7.95 | 10.7       | 2.45   | 96.1  |
| 1327     | 7/1/2011 11:16 | 16.27  | 49.69  | 32.56        | 7.80    | 7.96 | 9.0        | 2.54   | 96.8  |
| 1328     | 7/1/2011 11:31 | 16.04  | 49.77  | 32.61        | 7.91    | 7.96 | 9.9        | 2.63   | 97.8  |
| 1329     | 7/1/2011 11:46 | 15.77  | 49.30  | 32.27        | 8.02    | 7.96 | 11.5       | 2.71   | 98.5  |
| 1330     | 7/1/2011 12:01 | 15.51  | 49.57  | 32.46        | 8.24    | 7.97 | 13.1       | 2.80   | 100.8 |
| 1331     | 7/1/2011 12:16 | 15.36  | 49.61  | 32.48        | 8.37    | 7.97 | 13.1       | 2.87   | 102.0 |
| 1332     | 7/1/2011 12:31 | 14.86  | 50.02  | 32.77        | 8.57    | 7.98 | 14.0       | 2.94   | 103.7 |
| 1333     | 7/1/2011 12:46 | 14.42  | 49.91  | 32.68        | 8.86    | 8.00 | 13.9       | 3.01   | 106.1 |
| 1334     | 7/1/2011 13:01 | 14.12  | 50.08  | 32.80        | 9.07    | 8.01 | 13.1       | 3.06   | 108.1 |
| 1335     | 7/1/2011 13:16 | 14.05  | 49.99  | 32.73        | 9.19    | 8.02 | 10.5       | 3.12   | 109.2 |
| 1336     | 7/1/2011 13:31 | 14.00  | 50.24  | 32.91        | 9.20    | 8.02 | 7.1        | 3.16   | 109.4 |
| 1337     | 7/1/2011 13:46 | 13.99  | 50.11  | 32.81        | 9.23    | 8.02 | 5.4        | 3.19   | 109.7 |
| 1338     | 7/1/2011 14:01 | 14.04  | 49.99  | 32.73        | 9.04    | 8.01 | 4.6        | 3.20   | 107.5 |
| 1339     | 7/1/2011 14:16 | 14.11  | 49.99  | 32.73        | 8.89    | 8.00 | 4.0        | 3.20   | 105.8 |
| 1340     | 7/1/2011 14:31 | 14.02  | 50.24  | 32.91        | 8.84    | 8.00 | 5.1        | 3.17   | 105.2 |
| 1341     | 7/1/2011 14:46 | 13.99  | 50.14  | 32.84        | 8.87    | 8.00 | 6.1        | 3.13   | 105.4 |
| 1342     | 7/1/2011 15:01 | 14.96  | 50.00  | 32.76        | 9.03    | 8.03 | 6.6        | 3.07   | 109.4 |
| 1343     | 7/1/2011 15:16 | 15.19  | 49.70  | 32.55        | 9.12    | 8.03 | 8.2        | 2.99   | 110.8 |
| 1344     | 7/1/2011 15:31 | 16.05  | 49.79  | 32.63        | 9.31    | 8.05 | 7.2        | 2.93   | 115.2 |
| 1345     | 7/1/2011 15:46 | 16.09  | 49.83  | 32.66        | 9.20    | 8.04 | 8.4        | 2.85   | 113.9 |
| 1346     | 7/1/2011 16:01 | 16.40  | 49.61  | 32.50        | 9.18    | 8.04 | 7.1        | 2.76   | 114.3 |
| 1347     | 7/1/2011 16:16 | 16.59  | 49.57  | 32.48        | 9.89    | 8.08 | 6.5        | 2.70   | 123.5 |
| 1348     | 7/1/2011 16:31 | 16.75  | 49.39  | 32.34        | 9.87    | 8.07 | 5.3        | 2.63   | 123.6 |
| 1349     | 7/1/2011 16:46 | 17.19  | 49.73  | 32.60        | 9.91    | 8.09 | 6.3        | 2.56   | 125.2 |
| 1350     | 7/1/2011 17:01 | 17.41  | 49.69  | 32.57        | 10.16   | 8.11 | 4.6        | 2.49   | 128.9 |
| 1351     | 7/1/2011 17:16 | 17.63  | 49.43  | 32.39        | 10.13   | 8.11 | 3.9        | 2.43   | 129.0 |
| 1352     | 7/1/2011 17:31 | 17.85  | 49.49  | 32.43        | 10.07   | 8.11 | 4.8        | 2.40   | 128.8 |
| 1353     | 7/1/2011 17:46 | 18.05  | 49.43  | 32.39        | 9.92    | 8.10 | 2.6        | 2.35   | 127.4 |
| 1354     | 7/1/2011 18:01 | 18.18  | 49.15  | 32.18        | 9.81    | 8.09 | 2.5        | 2.30   | 126.1 |
| 1355     | 7/1/2011 18:16 | 18.17  | 49.52  | 32.45        | 9.74    | 8.10 | 2.2        | 2.28   | 125.4 |
| 1356     | 7/1/2011 18:31 | 18.26  | 49.37  | 32.34        | 9.75    | 8.11 | 5.5        | 2.28   | 125.6 |
| 1357     | 7/1/2011 18:46 | 18.05  | 49.30  | 32.29        | 9.93    | 8.10 | 3.7        | 2.28   | 127.3 |
| 1358     | 7/1/2011 19:01 | 17.77  | 49.34  | 32.32        | 9.41    | 8.06 | 3.1        | 2.29   | 120.1 |
| 1359     | 7/1/2011 19:16 | 18.04  | 49.04  | 32.10        | 9.48    | 8.06 | 2.4        | 2.34   | 121.5 |
| 1360     | 7/1/2011 19:31 | 17.89  | 49.58  | 32.50        | 9.40    | 8.06 | 3.5        | 2.38   | 120.3 |
| 1361     | 7/1/2011 19:46 | 17.57  | 49.30  | 32.29        | 9.12    | 8.04 | 5.8        | 2.44   | 115.9 |
| 1362     | 7/1/2011 20:01 | 17.92  | 49.28  | 32.28        | 9.10    | 8.04 | 5.4        | 2.50   | 116.5 |
| 1363     | 7/1/2011 20:16 | 17.49  | 49.25  | 32.25        | 8.92    | 8.02 | 4.3        | 2.57   | 113.2 |
| 1364     | 7/1/2011 20:31 | 17.12  | 49.32  | 32.30        | 8.92    | 8.02 | 6.0        | 2.66   | 112.4 |
| 1365     | 7/1/2011 20:46 | 16.80  | 49.60  | 32.50        | 8.97    | 8.02 | 6.4        | 2.73   | 112.5 |
| 1366     | 7/1/2011 21:01 | 16.11  | 49.46  | 32.39        | 8.91    | 8.01 | 6.7        | 2.81   | 110.1 |
| 1367     | 7/1/2011 21:16 | 15.62  | 49.85  | 32.67        | 8.83    | 8.00 | 7.7        | 2.90   | 108.4 |
| 1368     | 7/1/2011 21:31 | 15.09  | 50.05  | 32.80        | 8.80    | 8.00 | 8.1        | 2.98   | 106.9 |
| 1369     | 7/1/2011 21:46 | 14.80  | 50.05  | 32.80        | 8.79    | 7.99 | 7.9        | 3.06   | 106.2 |
| 1370     | 7/1/2011 22:01 | 14.59  | 50.08  | 32.81        | 8.77    | 8.00 | 7.6        | 3.15   | 105.4 |
| 1371     | 7/1/2011 22:16 | 14.16  | 50.02  | 32.75        | 8.81    | 7.99 | 9.3        | 3.24   | 105.0 |
| 1372     | 7/1/2011 22:31 | 13.51  | 50.22  | 32.88        | 8.87    | 7.99 | 10.0       | 3.33   | 104.4 |
| 1373     | 7/1/2011 22:46 | 13.10  | 50.23  | 32.87        | 8.80    | 7.98 | 9.5        | 3.42   | 102.7 |
| 1374     | 7/1/2011 23:01 | 12.81  | 50.32  | 32.92        | 8.85    | 7.98 | 7.4        | 3.51   | 102.8 |
| 1375     | 7/1/2011 23:16 | 12.50  | 50.47  | 33.02        | 8.94    | 7.98 | 6.4        | 3.59   | 103.2 |
| 1376     | 7/1/2011 23:31 | 12.38  | 50.49  | 33.03        | 8.92    | 7.98 | 5.7        | 3.66   | 102.7 |
| 1377     | 7/1/2011 23:46 | 12.22  | 50.08  | 32.72        | 8.95    | 7.98 | 6.2        | 3.72   | 102.4 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1378     | 7/2/2011 0:01  | 11.93  | 50.20  | 32.80        | 8.96    | 7.97 | 4.7               | 3.77            | 102.0 |
| 1379     | 7/2/2011 0:16  | 11.87  | 50.59  | 33.08        | 8.90    | 7.97 | 3.8               | 3.81            | 101.4 |
| 1380     | 7/2/2011 0:31  | 11.82  | 50.60  | 33.08        | 8.79    | 7.97 | 7.1               | 3.83            | 100.0 |
| 1381     | 7/2/2011 0:46  | 12.13  | 50.33  | 32.90        | 8.66    | 7.97 | 4.8               | 3.83            | 99.1  |
| 1382     | 7/2/2011 1:01  | 11.85  | 50.44  | 32.97        | 8.58    | 7.95 | 3.8               | 3.81            | 97.6  |
| 1383     | 7/2/2011 1:16  | 11.81  | 50.45  | 32.97        | 8.68    | 7.96 | 5.2               | 3.77            | 98.7  |
| 1384     | 7/2/2011 1:31  | 12.68  | 50.19  | 32.83        | 8.52    | 7.97 | 5.1               | 3.71            | 98.5  |
| 1385     | 7/2/2011 1:46  | 12.77  | 50.28  | 32.89        | 8.58    | 7.97 | 8.3               | 3.61            | 99.5  |
| 1386     | 7/2/2011 2:01  | 13.38  | 50.12  | 32.80        | 8.53    | 7.98 | 4.9               | 3.51            | 100.1 |
| 1387     | 7/2/2011 2:16  | 13.74  | 50.04  | 32.75        | 8.44    | 7.98 | 4.3               | 3.43            | 99.8  |
| 1388     | 7/2/2011 2:31  | 14.19  | 49.91  | 32.68        | 8.57    | 8.00 | 5.7               | 3.30            | 102.1 |
| 1389     | 7/2/2011 2:46  | 14.23  | 49.70  | 32.52        | 8.56    | 7.99 | 7.1               | 3.18            | 102.0 |
| 1390     | 7/2/2011 3:01  | 15.13  | 49.43  | 32.35        | 8.41    | 7.99 | 7.0               | 3.06            | 102.0 |
| 1391     | 7/2/2011 3:16  | 15.51  | 49.43  | 32.36        | 8.37    | 8.00 | 6.9               | 2.95            | 102.3 |
| 1392     | 7/2/2011 3:31  | 15.28  | 49.26  | 32.22        | 8.35    | 7.99 | 6.0               | 2.82            | 101.4 |
| 1393     | 7/2/2011 3:46  | 15.61  | 49.21  | 32.20        | 8.20    | 7.99 | 7.6               | 2.68            | 100.2 |
| 1394     | 7/2/2011 4:01  | 15.86  | 48.30  | 31.54        | 8.22    | 7.99 | 6.8               | 2.55            | 100.6 |
| 1395     | 7/2/2011 4:16  | 16.05  | 49.22  | 32.21        | 8.19    | 7.99 | 8.9               | 2.41            | 101.1 |
| 1396     | 7/2/2011 4:31  | 16.49  | 41.87  | 26.92        | 8.42    | 8.00 | 9.6               | 2.28            | 101.4 |
| 1397     | 7/2/2011 4:46  | 15.74  | 49.60  | 32.49        | 8.03    | 7.97 | 7.8               | 2.13            | 98.6  |
| 1398     | 7/2/2011 5:01  | 16.30  | 48.00  | 31.33        | 8.00    | 7.98 | 9.8               | 1.97            | 98.6  |
| 1399     | 7/2/2011 5:16  | 16.58  | 49.31  | 32.29        | 7.93    | 7.98 | 9.6               | 1.84            | 98.9  |
| 1400     | 7/2/2011 5:31  | 16.92  | 49.12  | 32.15        | 7.85    | 7.99 | 9.9               | 1.68            | 98.5  |
| 1401     | 7/2/2011 5:46  | 17.21  | 49.25  | 32.25        | 7.82    | 7.99 | 10.1              | 1.53            | 98.7  |
| 1402     | 7/2/2011 6:01  | 17.40  | 49.28  | 32.28        | 7.81    | 7.99 | 9.2               | 1.39            | 98.9  |
| 1403     | 7/2/2011 6:16  | 17.52  | 49.52  | 32.45        | 7.77    | 7.99 | 9.3               | 1.24            | 98.8  |
| 1404     | 7/2/2011 6:31  | 17.77  | 49.56  | 32.48        | 7.70    | 7.99 | 8.4               | 1.15            | 98.3  |
| 1405     | 7/2/2011 6:46  | 18.09  | 49.08  | 32.13        | 7.66    | 7.99 | 8.6               | 1.04            | 98.3  |
| 1406     | 7/2/2011 7:01  | 18.14  | 49.35  | 32.33        | 7.58    | 7.99 | 9.4               | 0.98            | 97.4  |
| 1407     | 7/2/2011 7:16  | 17.97  | 49.36  | 32.33        | 7.45    | 7.98 | 9.5               | 0.93            | 95.4  |
| 1408     | 7/2/2011 7:31  | 18.11  | 49.35  | 32.33        | 7.65    | 7.99 | 5.9               | 0.96            | 98.2  |
| 1409     | 7/2/2011 7:46  | 18.08  | 49.26  | 32.26        | 7.66    | 7.99 | 4.8               | 1.01            | 98.3  |
| 1410     | 7/2/2011 8:01  | 18.06  | 49.49  | 32.43        | 7.66    | 7.99 | 4.3               | 1.09            | 98.3  |
| 1411     | 7/2/2011 8:16  | 18.03  | 47.50  | 30.98        | 7.77    | 7.99 | 5.1               | 1.18            | 98.8  |
| 1412     | 7/2/2011 8:31  | 17.98  | 49.33  | 32.31        | 7.70    | 7.99 | 4.7               | 1.25            | 98.7  |
| 1413     | 7/2/2011 8:46  | 17.95  | 49.29  | 32.29        | 7.64    | 7.98 | 5.2               | 1.34            | 97.9  |
| 1414     | 7/2/2011 9:01  | 18.08  | 48.18  | 31.48        | 7.46    | 7.96 | 6.8               | 1.40            | 95.3  |
| 1415     | 7/2/2011 9:16  | 17.99  | 48.61  | 31.79        | 7.47    | 7.96 | 5.7               | 1.48            | 95.5  |
| 1416     | 7/2/2011 9:31  | 17.90  | 48.75  | 31.89        | 7.47    | 7.96 | 5.2               | 1.57            | 95.3  |
| 1417     | 7/2/2011 9:46  | 17.84  | 48.49  | 31.70        | 7.43    | 7.95 | 5.0               | 1.65            | 94.6  |
| 1418     | 7/2/2011 10:01 | 17.65  | 49.28  | 32.28        | 7.48    | 7.96 | 5.8               | 1.76            | 95.2  |
| 1419     | 7/2/2011 10:16 | 17.28  | 49.37  | 32.34        | 7.56    | 7.96 | 6.6               | 1.85            | 95.5  |
| 1420     | 7/2/2011 10:31 | 17.13  | 49.53  | 32.45        | 7.54    | 7.96 | 6.2               | 1.96            | 95.1  |
| 1421     | 7/2/2011 10:46 | 17.03  | 49.70  | 32.58        | 7.56    | 7.96 | 6.2               | 2.07            | 95.3  |
| 1422     | 7/2/2011 11:01 | 16.74  | 49.44  | 32.38        | 7.71    | 7.96 | 7.9               | 2.19            | 96.5  |
| 1423     | 7/2/2011 11:16 | 16.66  | 49.85  | 32.68        | 7.73    | 7.96 | 7.1               | 2.30            | 96.7  |
| 1424     | 7/2/2011 11:31 | 16.58  | 49.89  | 32.71        | 7.76    | 7.97 | 7.8               | 2.40            | 97.0  |
| 1425     | 7/2/2011 11:46 | 16.38  | 49.90  | 32.71        | 7.81    | 7.96 | 7.5               | 2.51            | 97.3  |
| 1426     | 7/2/2011 12:01 | 16.13  | 49.82  | 32.66        | 7.84    | 7.96 | 8.2               | 2.60            | 97.1  |
| 1427     | 7/2/2011 12:16 | 15.79  | 49.69  | 32.55        | 7.91    | 7.96 | 10.4              | 2.70            | 97.2  |
| 1428     | 7/2/2011 12:31 | 15.48  | 49.79  | 32.62        | 7.98    | 7.96 | 13.2              | 2.78            | 97.6  |
| 1429     | 7/2/2011 12:46 | 15.10  | 49.96  | 32.73        | 8.02    | 7.96 | 16.4              | 2.86            | 97.5  |
| 1430     | 7/2/2011 13:01 | 14.49  | 50.03  | 32.77        | 8.12    | 7.95 | 15.3              | 2.94            | 97.5  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1431     | 7/2/2011 13:16 | 14.00  | 50.07  | 32.79        | 8.26    | 7.95 | 17.6              | 3.02            | 98.1  |
| 1432     | 7/2/2011 13:31 | 13.71  | 50.40  | 33.02        | 8.27    | 7.95 | 18.8              | 3.09            | 97.9  |
| 1433     | 7/2/2011 13:46 | 13.54  | 50.30  | 32.94        | 8.28    | 7.94 | 17.7              | 3.15            | 97.6  |
| 1434     | 7/2/2011 14:01 | 13.42  | 50.22  | 32.88        | 8.28    | 7.94 | 11.3              | 3.21            | 97.2  |
| 1435     | 7/2/2011 14:16 | 13.39  | 50.15  | 32.83        | 8.25    | 7.94 | 8.9               | 3.25            | 96.8  |
| 1436     | 7/2/2011 14:31 | 13.12  | 50.52  | 33.08        | 8.07    | 7.92 | 4.1               | 3.27            | 94.3  |
| 1437     | 7/2/2011 14:46 | 13.50  | 49.77  | 32.55        | 7.99    | 7.92 | 7.3               | 3.29            | 93.8  |
| 1438     | 7/2/2011 15:01 | 13.08  | 50.04  | 32.73        | 7.77    | 7.90 | 3.8               | 3.25            | 90.5  |
| 1439     | 7/2/2011 15:16 | 13.16  | 50.27  | 32.90        | 7.92    | 7.92 | 7.7               | 3.21            | 92.6  |
| 1440     | 7/2/2011 15:31 | 13.65  | 50.29  | 32.93        | 8.08    | 7.94 | 8.9               | 3.14            | 95.4  |
| 1441     | 7/2/2011 15:46 | 14.76  | 49.92  | 32.69        | 8.49    | 7.99 | 9.0               | 3.07            | 102.4 |
| 1442     | 7/2/2011 16:01 | 14.72  | 50.04  | 32.78        | 8.67    | 7.99 | 6.8               | 3.00            | 104.6 |
| 1443     | 7/2/2011 16:16 | 14.83  | 50.25  | 32.94        | 8.77    | 8.00 | 7.1               | 2.89            | 106.1 |
| 1444     | 7/2/2011 16:31 | 15.16  | 49.98  | 32.75        | 8.86    | 8.01 | 8.9               | 2.81            | 107.7 |
| 1445     | 7/2/2011 16:46 | 15.33  | 49.84  | 32.65        | 8.96    | 8.03 | 7.8               | 2.74            | 109.3 |
| 1446     | 7/2/2011 17:01 | 15.48  | 49.90  | 32.70        | 8.96    | 8.03 | 6.4               | 2.65            | 109.6 |
| 1447     | 7/2/2011 17:16 | 15.75  | 49.77  | 32.61        | 9.02    | 8.04 | 6.8               | 2.58            | 110.9 |
| 1448     | 7/2/2011 17:31 | 15.93  | 49.57  | 32.47        | 9.11    | 8.05 | 5.9               | 2.51            | 112.3 |
| 1449     | 7/2/2011 17:46 | 16.23  | 49.80  | 32.64        | 9.18    | 8.07 | 5.6               | 2.44            | 114.0 |
| 1450     | 7/2/2011 18:01 | 16.73  | 49.44  | 32.39        | 9.09    | 8.07 | 4.2               | 2.39            | 113.8 |
| 1451     | 7/2/2011 18:16 | 16.98  | 49.35  | 32.32        | 9.15    | 8.07 | 4.5               | 2.30            | 115.0 |
| 1452     | 7/2/2011 18:31 | 17.26  | 49.22  | 32.23        | 9.07    | 8.07 | 3.3               | 2.27            | 114.6 |
| 1453     | 7/2/2011 18:46 | 17.41  | 49.27  | 32.27        | 8.95    | 8.07 | 3.6               | 2.21            | 113.5 |
| 1454     | 7/2/2011 19:01 | 17.48  | 49.02  | 32.09        | 8.85    | 8.05 | 2.1               | 2.20            | 112.1 |
| 1455     | 7/2/2011 19:16 | 17.54  | 49.09  | 32.14        | 8.61    | 8.05 | 1.1               | 2.18            | 109.3 |
| 1456     | 7/2/2011 19:31 | 17.59  | 49.18  | 32.20        | 7.93    | 8.02 | 1.0               | 2.18            | 100.8 |
| 1457     | 7/2/2011 19:46 | 17.49  | 49.22  | 32.23        | 8.83    | 8.05 | 2.4               | 2.21            | 112.0 |
| 1458     | 7/2/2011 20:01 | 17.40  | 49.11  | 32.15        | 8.88    | 8.05 | 2.7               | 2.25            | 112.4 |
| 1459     | 7/2/2011 20:16 | 17.43  | 49.02  | 32.09        | 8.74    | 8.04 | 3.3               | 2.30            | 110.7 |
| 1460     | 7/2/2011 20:31 | 17.25  | 49.34  | 32.31        | 8.67    | 8.03 | 4.3               | 2.35            | 109.6 |
| 1461     | 7/2/2011 20:46 | 17.10  | 49.27  | 32.27        | 8.52    | 8.02 | 4.0               | 2.42            | 107.4 |
| 1462     | 7/2/2011 21:01 | 17.20  | 49.29  | 32.28        | 8.47    | 8.02 | 5.6               | 2.51            | 107.0 |
| 1463     | 7/2/2011 21:16 | 16.98  | 49.12  | 32.15        | 8.49    | 8.01 | 4.6               | 2.58            | 106.7 |
| 1464     | 7/2/2011 21:31 | 16.58  | 46.16  | 30.00        | 8.59    | 8.00 | 4.4               | 2.67            | 105.6 |
| 1465     | 7/2/2011 21:46 | 16.19  | 49.39  | 32.34        | 8.38    | 8.00 | 5.4               | 2.75            | 103.7 |
| 1466     | 7/2/2011 22:01 | 15.40  | 47.96  | 31.29        | 8.32    | 7.97 | 6.6               | 2.83            | 100.8 |
| 1467     | 7/2/2011 22:16 | 15.02  | 49.46  | 32.37        | 8.16    | 7.96 | 5.9               | 2.92            | 98.8  |
| 1468     | 7/2/2011 22:31 | 14.86  | 49.68  | 32.53        | 8.12    | 7.96 | 5.8               | 3.00            | 98.1  |
| 1469     | 7/2/2011 22:46 | 14.50  | 49.82  | 32.61        | 8.08    | 7.95 | 6.2               | 3.09            | 96.9  |
| 1470     | 7/2/2011 23:01 | 13.89  | 49.99  | 32.73        | 8.01    | 7.93 | 8.1               | 3.17            | 94.9  |
| 1471     | 7/2/2011 23:16 | 13.29  | 50.07  | 32.76        | 8.01    | 7.91 | 8.9               | 3.26            | 93.8  |
| 1472     | 7/2/2011 23:31 | 12.87  | 50.08  | 32.75        | 7.94    | 7.90 | 8.7               | 3.35            | 92.2  |
| 1473     | 7/2/2011 23:46 | 12.43  | 50.32  | 32.91        | 7.94    | 7.89 | 8.1               | 3.44            | 91.4  |
| 1474     | 7/3/2011 0:01  | 12.20  | 50.45  | 32.99        | 7.92    | 7.88 | 8.8               | 3.52            | 90.8  |
| 1475     | 7/3/2011 0:16  | 12.06  | 50.36  | 32.92        | 7.99    | 7.88 | 10.0              | 3.59            | 91.3  |
| 1476     | 7/3/2011 0:31  | 11.70  | 50.61  | 33.09        | 8.13    | 7.88 | 10.0              | 3.66            | 92.3  |
| 1477     | 7/3/2011 0:46  | 11.58  | 50.68  | 33.13        | 8.22    | 7.89 | 8.1               | 3.71            | 93.1  |
| 1478     | 7/3/2011 1:01  | 11.49  | 50.71  | 33.15        | 8.23    | 7.89 | 5.6               | 3.76            | 93.1  |
| 1479     | 7/3/2011 1:16  | 11.47  | 50.72  | 33.15        | 8.13    | 7.88 | 2.3               | 3.78            | 91.9  |
| 1480     | 7/3/2011 1:31  | 11.90  | 50.81  | 33.24        | 7.79    | 7.87 | 4.2               | 3.79            | 88.8  |
| 1481     | 7/3/2011 1:46  | 11.58  | 50.63  | 33.09        | 7.87    | 7.87 | 3.6               | 3.77            | 89.1  |
| 1482     | 7/3/2011 2:01  | 11.62  | 50.39  | 32.92        | 7.94    | 7.87 | 4.8               | 3.73            | 89.8  |
| 1483     | 7/3/2011 2:16  | 12.17  | 50.27  | 32.86        | 7.76    | 7.87 | 4.8               | 3.66            | 88.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 1484     | 7/3/2011 2:31  | 12.32  | 50.39  | 32.95        | 7.78    | 7.88 | 7.3               | 3.57            | 89.5 |
| 1485     | 7/3/2011 2:46  | 13.02  | 50.30  | 32.92        | 7.82    | 7.90 | 4.0               | 3.47            | 91.1 |
| 1486     | 7/3/2011 3:01  | 13.95  | 50.09  | 32.80        | 7.71    | 7.93 | 6.2               | 3.36            | 91.5 |
| 1487     | 7/3/2011 3:16  | 13.68  | 50.27  | 32.92        | 7.78    | 7.92 | 6.1               | 3.25            | 92.0 |
| 1488     | 7/3/2011 3:31  | 13.67  | 49.64  | 32.46        | 7.78    | 7.92 | 6.3               | 3.14            | 91.7 |
| 1489     | 7/3/2011 3:46  | 13.98  | 49.84  | 32.61        | 7.74    | 7.92 | 6.8               | 3.01            | 91.8 |
| 1490     | 7/3/2011 4:01  | 14.61  | 49.62  | 32.48        | 7.72    | 7.94 | 8.1               | 2.90            | 92.7 |
| 1491     | 7/3/2011 4:16  | 15.20  | 49.82  | 32.63        | 7.76    | 7.95 | 7.6               | 2.77            | 94.4 |
| 1492     | 7/3/2011 4:31  | 15.44  | 49.30  | 32.26        | 7.76    | 7.96 | 7.8               | 2.64            | 94.6 |
| 1493     | 7/3/2011 4:46  | 15.09  | 49.46  | 32.37        | 7.51    | 7.93 | 6.3               | 2.50            | 91.0 |
| 1494     | 7/3/2011 5:01  | 15.09  | 49.46  | 32.37        | 7.64    | 7.93 | 8.2               | 2.36            | 92.6 |
| 1495     | 7/3/2011 5:16  | 15.55  | 49.55  | 32.45        | 7.49    | 7.95 | 10.6              | 2.20            | 91.7 |
| 1496     | 7/3/2011 5:31  | 15.61  | 49.72  | 32.57        | 7.56    | 7.95 | 9.2               | 2.06            | 92.7 |
| 1497     | 7/3/2011 5:46  | 15.57  | 49.69  | 32.55        | 7.49    | 7.94 | 9.6               | 1.92            | 91.7 |
| 1498     | 7/3/2011 6:01  | 15.97  | 46.17  | 30.00        | 7.60    | 7.95 | 9.7               | 1.78            | 92.4 |
| 1499     | 7/3/2011 6:16  | 16.09  | 49.17  | 32.18        | 7.46    | 7.95 | 9.2               | 1.62            | 92.1 |
| 1500     | 7/3/2011 6:31  | 16.27  | 49.25  | 32.24        | 7.49    | 7.95 | 8.7               | 1.46            | 92.8 |
| 1501     | 7/3/2011 6:46  | 16.45  | 48.42  | 31.63        | 7.49    | 7.96 | 7.6               | 1.33            | 92.8 |
| 1502     | 7/3/2011 7:01  | 16.69  | 48.76  | 31.89        | 7.45    | 7.96 | 7.9               | 1.20            | 92.9 |
| 1503     | 7/3/2011 7:16  | 16.80  | 49.13  | 32.16        | 7.40    | 7.96 | 6.6               | 1.09            | 92.6 |
| 1504     | 7/3/2011 7:31  | 16.90  | 49.30  | 32.29        | 7.31    | 7.96 | 4.6               | 1.01            | 91.7 |
| 1505     | 7/3/2011 7:46  | 16.97  | 48.95  | 32.03        | 7.42    | 7.96 | 4.9               | 0.95            | 93.1 |
| 1506     | 7/3/2011 8:01  | 16.98  | 46.58  | 30.30        | 7.44    | 7.96 | 5.1               | 0.96            | 92.5 |
| 1507     | 7/3/2011 8:16  | 17.50  | 49.41  | 32.37        | 7.40    | 7.98 | 5.0               | 0.99            | 93.9 |
| 1508     | 7/3/2011 8:31  | 17.43  | 49.52  | 32.45        | 7.43    | 7.98 | 4.2               | 1.07            | 94.3 |
| 1509     | 7/3/2011 8:46  | 17.46  | 49.48  | 32.42        | 7.42    | 7.98 | 7.3               | 1.15            | 94.1 |
| 1510     | 7/3/2011 9:01  | 17.46  | 49.53  | 32.46        | 7.42    | 7.98 | 6.2               | 1.23            | 94.2 |
| 1511     | 7/3/2011 9:16  | 17.43  | 49.17  | 32.19        | 7.40    | 7.98 | 6.5               | 1.32            | 93.8 |
| 1512     | 7/3/2011 9:31  | 17.34  | 49.15  | 32.18        | 7.39    | 7.97 | 4.9               | 1.39            | 93.5 |
| 1513     | 7/3/2011 9:46  | 17.32  | 48.73  | 31.87        | 7.20    | 7.94 | 6.8               | 1.47            | 90.9 |
| 1514     | 7/3/2011 10:01 | 17.22  | 49.15  | 32.18        | 7.21    | 7.94 | 5.6               | 1.55            | 90.9 |
| 1515     | 7/3/2011 10:16 | 17.15  | 48.87  | 31.97        | 7.21    | 7.94 | 6.4               | 1.64            | 90.7 |
| 1516     | 7/3/2011 10:31 | 16.95  | 49.30  | 32.29        | 7.24    | 7.95 | 5.0               | 1.73            | 90.9 |
| 1517     | 7/3/2011 10:46 | 16.84  | 49.41  | 32.36        | 7.28    | 7.95 | 4.9               | 1.83            | 91.3 |
| 1518     | 7/3/2011 11:01 | 16.67  | 49.49  | 32.42        | 7.30    | 7.95 | 5.2               | 1.94            | 91.2 |
| 1519     | 7/3/2011 11:16 | 16.58  | 49.03  | 32.08        | 7.34    | 7.94 | 4.9               | 2.04            | 91.4 |
| 1520     | 7/3/2011 11:31 | 16.25  | 49.40  | 32.35        | 7.42    | 7.94 | 6.5               | 2.17            | 92.0 |
| 1521     | 7/3/2011 11:46 | 16.16  | 49.47  | 32.39        | 7.44    | 7.94 | 6.8               | 2.28            | 92.1 |
| 1522     | 7/3/2011 12:01 | 16.11  | 49.74  | 32.59        | 7.47    | 7.94 | 6.5               | 2.39            | 92.4 |
| 1523     | 7/3/2011 12:16 | 15.98  | 47.86  | 31.22        | 7.56    | 7.94 | 7.1               | 2.50            | 92.6 |
| 1524     | 7/3/2011 12:31 | 15.80  | 49.85  | 32.67        | 7.53    | 7.93 | 7.3               | 2.59            | 92.7 |
| 1525     | 7/3/2011 12:46 | 15.49  | 47.35  | 30.85        | 7.57    | 7.93 | 9.9               | 2.69            | 91.5 |
| 1526     | 7/3/2011 13:01 | 15.13  | 50.02  | 32.78        | 7.56    | 7.92 | 11.4              | 2.77            | 91.9 |
| 1527     | 7/3/2011 13:16 | 14.84  | 50.04  | 32.78        | 7.59    | 7.91 | 13.7              | 2.87            | 91.8 |
| 1528     | 7/3/2011 13:31 | 14.33  | 50.06  | 32.79        | 7.60    | 7.90 | 19.7              | 2.95            | 90.9 |
| 1529     | 7/3/2011 13:46 | 13.68  | 50.12  | 32.81        | 7.82    | 7.89 | 16.0              | 3.03            | 92.3 |
| 1530     | 7/3/2011 14:01 | 13.41  | 50.35  | 32.97        | 7.89    | 7.89 | 17.4              | 3.11            | 92.7 |
| 1531     | 7/3/2011 14:16 | 13.23  | 50.11  | 32.79        | 7.93    | 7.89 | 20.0              | 3.17            | 92.8 |
| 1532     | 7/3/2011 14:31 | 12.97  | 50.09  | 32.77        | 7.94    | 7.88 | 16.4              | 3.24            | 92.3 |
| 1533     | 7/3/2011 14:46 | 12.75  | 50.51  | 33.06        | 7.88    | 7.87 | 11.7              | 3.28            | 91.5 |
| 1534     | 7/3/2011 15:01 | 12.57  | 50.63  | 33.14        | 7.79    | 7.87 | 7.9               | 3.31            | 90.1 |
| 1535     | 7/3/2011 15:16 | 12.85  | 50.17  | 32.82        | 7.83    | 7.88 | 4.3               | 3.34            | 90.9 |
| 1536     | 7/3/2011 15:31 | 12.71  | 50.38  | 32.97        | 7.55    | 7.85 | 4.7               | 3.33            | 87.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 1537     | 7/3/2011 15:46 | 12.59  | 50.43  | 33.00        | 7.56    | 7.85 | 5.7        | 3.29            | 87.4  |
| 1538     | 7/3/2011 16:01 | 12.81  | 50.46  | 33.03        | 7.61    | 7.86 | 10.6       | 3.24            | 88.4  |
| 1539     | 7/3/2011 16:16 | 14.85  | 50.21  | 32.91        | 8.12    | 7.95 | 6.7        | 3.17            | 98.3  |
| 1540     | 7/3/2011 16:31 | 15.02  | 50.04  | 32.79        | 8.35    | 7.95 | 11.9       | 3.09            | 101.2 |
| 1541     | 7/3/2011 16:46 | 15.15  | 50.15  | 32.88        | 8.49    | 7.97 | 11.2       | 2.99            | 103.3 |
| 1542     | 7/3/2011 17:01 | 15.25  | 50.07  | 32.82        | 8.55    | 7.97 | 11.4       | 2.89            | 104.1 |
| 1543     | 7/3/2011 17:16 | 15.76  | 49.77  | 32.61        | 8.67    | 8.00 | 9.0        | 2.81            | 106.6 |
| 1544     | 7/3/2011 17:31 | 15.82  | 49.95  | 32.75        | 8.49    | 7.99 | 8.0        | 2.73            | 104.7 |
| 1545     | 7/3/2011 17:46 | 16.30  | 49.65  | 32.53        | 8.74    | 8.02 | 8.7        | 2.64            | 108.6 |
| 1546     | 7/3/2011 18:01 | 16.85  | 49.71  | 32.58        | 9.01    | 8.05 | 10.1       | 2.55            | 113.1 |
| 1547     | 7/3/2011 18:16 | 17.10  | 49.67  | 32.55        | 9.42    | 8.07 | 7.2        | 2.49            | 118.9 |
| 1548     | 7/3/2011 18:31 | 17.29  | 49.59  | 32.50        | 10.26   | 8.13 | 3.8        | 2.42            | 129.8 |
| 1549     | 7/3/2011 18:46 | 17.55  | 49.56  | 32.48        | 10.14   | 8.13 | 3.8        | 2.34            | 129.1 |
| 1550     | 7/3/2011 19:01 | 17.71  | 49.29  | 32.29        | 10.06   | 8.13 | 4.2        | 2.27            | 128.2 |
| 1551     | 7/3/2011 19:16 | 17.76  | 49.60  | 32.51        | 9.90    | 8.12 | 2.9        | 2.21            | 126.5 |
| 1552     | 7/3/2011 19:31 | 17.92  | 49.66  | 32.55        | 9.73    | 8.11 | 2.7        | 2.17            | 124.8 |
| 1553     | 7/3/2011 19:46 | 18.06  | 49.40  | 32.37        | 9.50    | 8.10 | 2.3        | 2.14            | 122.0 |
| 1554     | 7/3/2011 20:01 | 18.06  | 47.90  | 31.27        | 9.26    | 8.09 | 1.4        | 2.11            | 118.1 |
| 1555     | 7/3/2011 20:16 | 18.07  | 49.36  | 32.34        | 9.11    | 8.08 | 2.4        | 2.12            | 117.0 |
| 1556     | 7/3/2011 20:31 | 17.95  | 47.45  | 30.94        | 9.54    | 8.09 | 2.7        | 2.14            | 121.1 |
| 1557     | 7/3/2011 20:46 | 17.85  | 49.58  | 32.50        | 9.34    | 8.08 | 2.3        | 2.16            | 119.5 |
| 1558     | 7/3/2011 21:01 | 17.75  | 49.70  | 32.59        | 9.14    | 8.06 | 3.4        | 2.21            | 116.7 |
| 1559     | 7/3/2011 21:16 | 17.73  | 49.45  | 32.40        | 8.86    | 8.05 | 4.0        | 2.27            | 113.1 |
| 1560     | 7/3/2011 21:31 | 17.58  | 49.63  | 32.53        | 8.71    | 8.03 | 4.2        | 2.36            | 110.9 |
| 1561     | 7/3/2011 21:46 | 17.79  |        |              | 9.04    | 8.02 | 5.1        | 2.45            | 109.2 |
| 1562     | 7/3/2011 22:01 | 17.54  | 49.35  | 32.33        | 8.61    | 8.02 | 4.3        | 2.51            | 109.5 |
| 1563     | 7/3/2011 22:16 | 17.06  | 49.55  | 32.47        | 8.58    | 8.01 | 4.2        | 2.59            | 108.1 |
| 1564     | 7/3/2011 22:31 | 16.54  | 49.14  | 32.16        | 8.39    | 7.98 | 4.9        | 2.67            | 104.5 |
| 1565     | 7/3/2011 22:46 | 15.94  | 49.61  | 32.49        | 8.12    | 7.95 | 6.6        | 2.75            | 100.1 |
| 1566     | 7/3/2011 23:01 | 15.42  | 49.57  | 32.46        | 8.01    | 7.94 | 5.6        | 2.83            | 97.8  |
| 1567     | 7/3/2011 23:16 | 15.13  | 49.72  | 32.56        | 7.95    | 7.93 | 5.2        | 2.91            | 96.5  |
| 1568     | 7/3/2011 23:31 | 14.91  | 50.03  | 32.78        | 7.91    | 7.92 | 5.7        | 2.99            | 95.8  |
| 1569     | 7/3/2011 23:46 | 14.32  | 49.98  | 32.73        | 7.86    | 7.90 | 6.7        | 3.07            | 94.0  |
| 1570     | 7/4/2011 0:01  | 13.70  | 50.15  | 32.83        | 7.81    | 7.88 | 9.1        | 3.16            | 92.2  |
| 1571     | 7/4/2011 0:16  | 13.38  | 50.05  | 32.75        | 7.83    | 7.88 | 8.5        | 3.24            | 91.8  |
| 1572     | 7/4/2011 0:31  | 13.17  | 50.27  | 32.90        | 7.76    | 7.87 | 6.9        | 3.33            | 90.7  |
| 1573     | 7/4/2011 0:46  | 12.70  | 50.23  | 32.85        | 7.69    | 7.85 | 5.3        | 3.41            | 89.0  |
| 1574     | 7/4/2011 1:01  | 12.39  | 50.06  | 32.72        | 7.64    | 7.84 | 3.9        | 3.48            | 87.8  |
| 1575     | 7/4/2011 1:16  | 12.23  | 50.63  | 33.12        | 7.56    | 7.83 | 4.4        | 3.55            | 86.8  |
| 1576     | 7/4/2011 1:31  | 11.86  | 50.48  | 33.00        | 7.59    | 7.83 | 3.4        | 3.61            | 86.4  |
| 1577     | 7/4/2011 1:46  | 11.80  | 50.72  | 33.17        | 7.54    | 7.83 | 3.3        | 3.65            | 85.9  |
| 1578     | 7/4/2011 2:01  | 11.73  | 50.59  | 33.07        | 7.52    | 7.82 | 2.0        | 3.68            | 85.4  |
| 1579     | 7/4/2011 2:16  | 12.06  | 50.68  | 33.16        | 7.43    | 7.83 | 2.0        | 3.69            | 85.0  |
| 1580     | 7/4/2011 2:31  | 11.71  | 50.74  | 33.18        | 7.37    | 7.81 | 1.6        | 3.68            | 83.7  |
| 1581     | 7/4/2011 2:46  | 11.64  | 50.66  | 33.12        | 7.45    | 7.82 | 3.0        | 3.64            | 84.5  |
| 1582     | 7/4/2011 3:01  | 11.75  | 50.50  | 33.01        | 7.40    | 7.82 | 2.2        | 3.58            | 84.0  |
| 1583     | 7/4/2011 3:16  | 13.20  | 50.32  | 32.94        | 7.42    | 7.86 | 4.8        | 3.50            | 86.8  |
| 1584     | 7/4/2011 3:31  | 13.44  | 50.56  | 33.12        | 7.40    | 7.87 | 3.5        | 3.41            | 87.2  |
| 1585     | 7/4/2011 3:46  | 13.95  | 50.29  | 32.94        | 7.49    | 7.89 | 5.9        | 3.30            | 89.0  |
| 1586     | 7/4/2011 4:01  | 13.74  | 50.06  | 32.77        | 7.58    | 7.89 | 5.0        | 3.18            | 89.6  |
| 1587     | 7/4/2011 4:16  | 14.12  | 50.14  | 32.84        | 7.52    | 7.89 | 4.6        | 3.08            | 89.6  |
| 1588     | 7/4/2011 4:31  | 14.11  | 50.13  | 32.83        | 7.56    | 7.89 | 5.1        | 2.97            | 90.1  |
| 1589     | 7/4/2011 4:46  | 14.57  | 50.18  | 32.88        | 7.49    | 7.90 | 4.8        | 2.84            | 90.1  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1590     | 7/4/2011 5:01  | 15.60  | 49.88  | 32.69        | 7.61    | 7.94 | 8.1        | 2.72   | 93.3  |
| 1591     | 7/4/2011 5:16  | 15.81  | 49.73  | 32.58        | 7.49    | 7.93 | 5.9        | 2.60   | 92.2  |
| 1592     | 7/4/2011 5:31  | 16.05  | 49.39  | 32.33        | 7.49    | 7.95 | 5.9        | 2.47   | 92.5  |
| 1593     | 7/4/2011 5:46  | 15.93  | 49.63  | 32.51        | 7.39    | 7.93 | 7.1        | 2.32   | 91.2  |
| 1594     | 7/4/2011 6:01  | 15.92  | 49.31  | 32.28        | 7.42    | 7.93 | 8.5        | 2.19   | 91.4  |
| 1595     | 7/4/2011 6:16  | 16.09  | 49.55  | 32.45        | 7.44    | 7.94 | 10.0       | 2.05   | 92.0  |
| 1596     | 7/4/2011 6:31  | 16.18  | 49.62  | 32.50        | 7.41    | 7.93 | 9.4        | 1.90   | 91.8  |
| 1597     | 7/4/2011 6:46  | 16.42  | 49.70  | 32.57        | 7.32    | 7.93 | 8.9        | 1.76   | 91.2  |
| 1598     | 7/4/2011 7:01  | 16.61  | 49.50  | 32.43        | 7.43    | 7.95 | 8.0        | 1.62   | 92.8  |
| 1599     | 7/4/2011 7:16  | 16.78  | 49.39  | 32.35        | 7.45    | 7.96 | 7.9        | 1.47   | 93.2  |
| 1600     | 7/4/2011 7:31  | 17.06  | 49.49  | 32.42        | 7.45    | 7.97 | 7.1        | 1.34   | 93.9  |
| 1601     | 7/4/2011 7:46  | 17.10  | 49.44  | 32.39        | 7.43    | 7.96 | 6.8        | 1.23   | 93.7  |
| 1602     | 7/4/2011 8:01  | 17.32  | 49.31  | 32.29        | 7.43    | 7.97 | 5.3        | 1.14   | 94.0  |
| 1603     | 7/4/2011 8:16  | 17.48  | 49.43  | 32.38        | 7.34    | 7.97 | 4.9        | 1.07   | 93.2  |
| 1604     | 7/4/2011 8:31  | 17.52  |        |              | 7.72    | 7.98 | 4.9        | 1.03   | 93.9  |
| 1605     | 7/4/2011 8:46  | 17.47  | 49.37  | 32.34        | 7.39    | 7.97 | 3.9        | 1.05   | 93.8  |
| 1606     | 7/4/2011 9:01  | 17.53  | 49.47  | 32.42        | 7.41    | 7.97 | 3.6        | 1.09   | 94.2  |
| 1607     | 7/4/2011 9:16  | 17.39  | 49.45  | 32.40        | 7.42    | 7.97 | 3.0        | 1.17   | 94.0  |
| 1608     | 7/4/2011 9:31  | 17.53  | 49.45  | 32.40        | 7.40    | 7.97 | 4.0        | 1.24   | 94.1  |
| 1609     | 7/4/2011 9:46  | 17.50  | 49.32  | 32.30        | 7.44    | 7.97 | 3.5        | 1.32   | 94.5  |
| 1610     | 7/4/2011 10:01 | 17.47  | 49.22  | 32.23        | 7.28    | 7.96 | 5.1        | 1.41   | 92.4  |
| 1611     | 7/4/2011 10:16 | 17.40  | 47.30  | 30.83        | 7.36    | 7.96 | 4.0        | 1.49   | 92.4  |
| 1612     | 7/4/2011 10:31 | 17.35  | 49.13  | 32.16        | 7.21    | 7.95 | 5.1        | 1.57   | 91.2  |
| 1613     | 7/4/2011 10:46 | 17.30  | 48.12  | 31.42        | 7.19    | 7.94 | 4.4        | 1.65   | 90.4  |
| 1614     | 7/4/2011 11:01 | 17.27  | 46.37  | 30.15        | 7.22    | 7.94 | 4.5        | 1.75   | 90.1  |
| 1615     | 7/4/2011 11:16 | 17.17  | 45.91  | 29.82        | 7.31    | 7.94 | 4.4        | 1.84   | 90.9  |
| 1616     | 7/4/2011 11:31 | 17.04  | 44.20  | 28.59        | 7.42    | 7.94 | 3.9        | 1.95   | 91.3  |
| 1617     | 7/4/2011 11:46 | 16.66  | 49.10  | 32.13        | 7.30    | 7.93 | 5.4        | 2.05   | 91.0  |
| 1618     | 7/4/2011 12:01 | 16.51  | 49.40  | 32.35        | 7.34    | 7.93 | 4.8        | 2.16   | 91.5  |
| 1619     | 7/4/2011 12:16 | 16.37  | 49.40  | 32.35        | 7.34    | 7.93 | 5.6        | 2.27   | 91.2  |
| 1620     | 7/4/2011 12:31 | 16.29  | 49.63  | 32.52        | 7.36    | 7.93 | 5.8        | 2.38   | 91.3  |
| 1621     | 7/4/2011 12:46 | 16.18  | 49.55  | 32.45        | 7.39    | 7.93 | 5.8        | 2.48   | 91.5  |
| 1622     | 7/4/2011 13:01 | 15.99  | 49.83  | 32.66        | 7.40    | 7.92 | 6.3        | 2.59   | 91.5  |
| 1623     | 7/4/2011 13:16 | 15.74  | 49.59  | 32.48        | 7.39    | 7.91 | 6.7        | 2.69   | 90.7  |
| 1624     | 7/4/2011 13:31 | 15.32  | 49.51  | 32.41        | 7.43    | 7.90 | 10.7       | 2.78   | 90.4  |
| 1625     | 7/4/2011 13:46 | 15.05  | 49.65  | 32.51        | 7.44    | 7.89 | 10.7       | 2.86   | 90.1  |
| 1626     | 7/4/2011 14:01 | 14.39  | 49.61  | 32.46        | 7.43    | 7.87 | 11.6       | 2.96   | 88.8  |
| 1627     | 7/4/2011 14:16 | 13.73  | 49.79  | 32.57        | 7.57    | 7.87 | 15.4       | 3.05   | 89.4  |
| 1628     | 7/4/2011 14:31 | 13.33  | 49.78  | 32.56        | 7.67    | 7.87 | 14.4       | 3.12   | 89.8  |
| 1629     | 7/4/2011 14:46 | 13.18  | 50.22  | 32.87        | 7.67    | 7.86 | 15.0       | 3.20   | 89.7  |
| 1630     | 7/4/2011 15:01 | 12.99  | 50.11  | 32.78        | 7.62    | 7.86 | 15.2       | 3.27   | 88.7  |
| 1631     | 7/4/2011 15:16 | 12.63  | 49.87  | 32.59        | 7.56    | 7.84 | 12.0       | 3.34   | 87.3  |
| 1632     | 7/4/2011 15:31 | 12.46  | 50.09  | 32.74        | 7.53    | 7.83 | 7.2        | 3.38   | 86.6  |
| 1633     | 7/4/2011 15:46 | 12.28  | 50.23  | 32.84        | 7.38    | 7.82 | 3.7        | 3.41   | 84.7  |
| 1634     | 7/4/2011 16:01 | 12.50  | 49.70  | 32.46        | 7.45    | 7.83 | 4.5        | 3.41   | 85.7  |
| 1635     | 7/4/2011 16:16 | 12.22  | 50.26  | 32.85        | 7.23    | 7.81 | 4.5        | 3.39   | 82.8  |
| 1636     | 7/4/2011 16:31 | 12.39  | 46.98  | 30.49        | 7.46    | 7.82 | 6.2        | 3.35   | 84.5  |
| 1637     | 7/4/2011 16:46 | 13.68  | 49.84  | 32.61        | 7.65    | 7.88 | 9.6        | 3.27   | 90.2  |
| 1638     | 7/4/2011 17:01 | 14.42  | 49.80  | 32.60        | 8.00    | 7.91 | 10.2       | 3.19   | 95.8  |
| 1639     | 7/4/2011 17:16 | 14.23  | 49.96  | 32.71        | 8.16    | 7.91 | 6.7        | 3.10   | 97.4  |
| 1640     | 7/4/2011 17:31 | 14.84  | 49.78  | 32.60        | 8.25    | 7.94 | 10.3       | 3.01   | 99.6  |
| 1641     | 7/4/2011 17:46 | 15.29  | 49.42  | 32.34        | 8.35    | 7.97 | 13.0       | 2.90   | 101.6 |
| 1642     | 7/4/2011 18:01 | 15.70  | 49.42  | 32.35        | 8.41    | 7.98 | 8.7        | 2.82   | 103.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|----------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1643     | 7/4/2011 18:16 | 16.05  | 49.25  | 32.24        | 8.57    | 8.00 | 8.7               | 2.73            | 105.7 |
| 1644     | 7/4/2011 18:31 | 16.05  | 49.28  | 32.26        | 8.97    | 8.02 | 7.8               | 2.64            | 110.7 |
| 1645     | 7/4/2011 18:46 | 16.02  | 47.75  | 31.14        | 9.37    | 8.05 | 4.8               | 2.56            | 114.8 |
| 1646     | 7/4/2011 19:01 | 16.47  | 49.57  | 32.48        | 9.54    | 8.07 | 4.5               | 2.48            | 118.8 |
| 1647     | 7/4/2011 19:16 | 16.87  | 49.71  | 32.58        | 9.43    | 8.08 | 4.2               | 2.39            | 118.5 |
| 1648     | 7/4/2011 19:31 | 16.88  | 49.64  | 32.53        | 9.36    | 8.07 | 4.0               | 2.32            | 117.6 |
| 1649     | 7/4/2011 19:46 | 17.01  | 49.82  | 32.66        | 9.48    | 8.08 | 3.6               | 2.23            | 119.5 |
| 1650     | 7/4/2011 20:01 | 17.44  | 48.88  | 31.98        | 9.27    | 8.08 | 3.5               | 2.17            | 117.3 |
| 1651     | 7/4/2011 20:16 | 17.83  | 48.50  | 31.71        | 9.02    | 8.07 | 3.2               | 2.12            | 114.8 |
| 1652     | 7/4/2011 20:31 | 17.84  | 49.70  | 32.59        | 8.85    | 8.06 | 2.4               | 2.06            | 113.3 |
| 1653     | 7/4/2011 20:46 | 18.02  | 49.82  | 32.67        | 8.83    | 8.06 | 3.0               | 2.06            | 113.5 |
| 1654     | 7/4/2011 21:01 | 18.18  | 49.76  | 32.63        | 8.60    | 8.06 | 2.3               | 2.03            | 110.9 |
| 1655     | 7/4/2011 21:16 | 18.02  | 50.00  | 32.81        | 8.63    | 8.05 | 2.7               | 2.05            | 110.9 |
| 1656     | 7/4/2011 21:31 | 17.93  | 49.85  | 32.70        | 8.70    | 8.05 | 3.1               | 2.07            | 111.7 |
| 1657     | 7/4/2011 21:46 | 17.90  |        |              | 9.36    | 8.05 | 3.2               | 2.13            | 111.2 |
| 1658     | 7/4/2011 22:01 | 17.82  |        |              | 9.39    | 8.04 | 3.9               | 2.20            | 110.5 |
| 1659     | 7/4/2011 22:16 | 17.68  |        |              | 8.79    | 8.02 | 4.2               | 2.25            | 107.9 |
| 1660     | 7/4/2011 22:31 | 17.82  |        |              | 8.98    | 8.00 | 6.7               | 2.35            | 105.2 |
| 1661     | 7/4/2011 22:46 | 17.57  |        |              | 8.33    | 8.00 | 5.9               | 2.40            | 105.6 |
| 1662     | 7/4/2011 23:01 | 17.34  |        |              | 9.10    | 8.00 | 4.5               | 2.52            | 105.4 |
| 1663     | 7/4/2011 23:16 | 16.83  |        |              | 9.01    | 7.98 | 4.2               | 2.59            | 103.1 |
| 1664     | 7/4/2011 23:31 | 16.49  |        |              | 8.82    | 7.96 | 3.7               | 2.66            | 100.3 |
| 1665     | 7/4/2011 23:46 | 15.88  |        |              | 8.59    | 7.93 | 3.6               | 2.74            | 96.4  |
| 1666     | 7/5/2011 0:01  | 15.59  |        |              | 8.55    | 7.92 | 3.6               | 2.82            | 95.1  |
| 1667     | 7/5/2011 0:16  | 15.45  |        |              | 8.53    | 7.92 | 3.4               | 2.89            | 94.8  |
| 1668     | 7/5/2011 0:31  | 15.29  |        |              | 8.51    | 7.92 | 3.6               | 2.97            | 94.2  |
| 1669     | 7/5/2011 0:46  | 14.80  | 49.86  | 32.65        | 7.67    | 7.90 | 4.3               | 3.01            | 92.6  |
| 1670     | 7/5/2011 1:01  | 14.38  |        |              | 8.41    | 7.89 | 5.6               | 3.12            | 91.4  |
| 1671     | 7/5/2011 1:16  | 13.99  |        |              | 8.43    | 7.88 | 6.0               | 3.20            | 90.6  |
| 1672     | 7/5/2011 1:31  | 13.63  |        |              | 8.46    | 7.87 | 5.1               | 3.28            | 90.2  |
| 1673     | 7/5/2011 1:46  | 13.27  |        |              | 8.47    | 7.86 | 5.2               | 3.36            | 89.4  |
| 1674     | 7/5/2011 2:01  | 12.86  |        |              | 8.49    | 7.86 | 3.5               | 3.43            | 88.8  |
| 1675     | 7/5/2011 2:16  | 12.57  |        |              | 8.46    | 7.85 | 3.8               | 3.49            | 87.9  |
| 1676     | 7/5/2011 2:31  | 12.44  | 49.04  | 31.98        | 7.66    | 7.85 | 3.7               | 3.50            | 87.7  |
| 1677     | 7/5/2011 2:46  | 12.23  |        |              | 8.50    | 7.85 | 2.5               | 3.58            | 87.5  |
| 1678     | 7/5/2011 3:01  | 12.25  |        |              | 8.39    | 7.85 | 2.0               | 3.60            | 86.4  |
| 1679     | 7/5/2011 3:16  | 12.49  |        |              | 8.21    | 7.84 | 1.6               | 3.60            | 85.0  |
| 1680     | 7/5/2011 3:31  | 12.20  |        |              | 8.31    | 7.84 | 1.7               | 3.57            | 85.1  |
| 1681     | 7/5/2011 3:46  | 12.19  |        |              | 8.31    | 7.84 | 1.8               | 3.53            | 85.3  |
| 1682     | 7/5/2011 4:01  | 13.09  |        |              | 8.11    | 7.85 | 2.9               | 3.45            | 85.8  |
| 1683     | 7/5/2011 4:16  | 14.04  |        |              | 8.01    | 7.87 | 3.1               | 3.37            | 86.6  |
| 1684     | 7/5/2011 4:31  | 14.53  |        |              | 8.07    | 7.88 | 6.6               | 3.27            | 87.5  |
| 1685     | 7/5/2011 4:46  | 14.28  |        |              | 8.19    | 7.88 | 5.7               | 3.17            | 88.4  |
| 1686     | 7/5/2011 5:01  | 14.30  |        |              | 8.17    | 7.88 | 6.5               | 3.06            | 88.2  |
| 1687     | 7/5/2011 5:16  | 14.76  |        |              | 8.10    | 7.89 | 5.4               | 2.94            | 88.3  |
| 1688     | 7/5/2011 5:31  | 15.08  |        |              | 7.98    | 7.89 | 4.7               | 2.84            | 87.6  |
| 1689     | 7/5/2011 5:46  | 15.52  |        |              | 7.89    | 7.90 | 4.6               | 2.72            | 87.3  |
| 1690     | 7/5/2011 6:01  | 16.06  |        |              | 7.81    | 7.91 | 5.8               | 2.60            | 87.5  |
| 1691     | 7/5/2011 6:16  | 16.17  |        |              | 8.00    | 7.92 | 6.8               | 2.48            | 89.9  |
| 1692     | 7/5/2011 6:31  | 16.33  |        |              | 8.09    | 7.93 | 8.4               | 2.36            | 91.1  |
| 1693     | 7/5/2011 6:46  | 16.25  |        |              | 8.11    | 7.93 | 9.5               | 2.21            | 91.3  |
| 1694     | 7/5/2011 7:01  | 16.16  |        |              | 8.03    | 7.92 | 7.6               | 2.08            | 90.1  |
| 1695     | 7/5/2011 7:16  | 16.24  |        |              | 8.01    | 7.92 | 8.2               | 1.94            | 89.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time    | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%    |
|----------|----------------|--------|--------|--------------|---------|------|------------|--------|--------|
|          |                |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |        |
| 1696     | 7/5/2011 7:31  | 16.35  |        |              | 7.95    | 7.92 | 7.4        | 1.81   | 89.6   |
| 1697     | 7/5/2011 7:46  | 16.45  |        |              | 7.97    | 7.92 | 6.3        | 1.68   | 90.0   |
| 1698     | 7/5/2011 8:01  | 16.74  |        |              | 8.01    | 7.93 | 5.7        | 1.54   | 91.2   |
| 1699     | 7/5/2011 8:16  | 16.87  |        |              | 7.80    | 7.94 | 5.6        | 1.43   | 91.8   |
| 1700     | 7/5/2011 8:31  | 17.05  |        |              | 7.99    | 7.95 | 4.6        | 1.34   | 92.0   |
| 1701     | 7/5/2011 8:46  | 17.44  |        |              | 7.99    | 7.96 | 4.3        | 1.25   | 92.5   |
| 1702     | 7/5/2011 9:01  | 17.52  |        |              | 7.98    | 7.96 | 6.4        | 1.21   | 92.6   |
| 1703     | 7/5/2011 9:16  | 17.86  |        |              | 7.79    | 7.96 | 4.0        | 1.19   | 91.1   |
| 1704     | 7/5/2011 9:31  | 17.54  |        |              | 7.38    | 7.94 | 3.5        | 1.19   | 91.9   |
| 1705     | 7/5/2011 9:46  | 17.78  |        |              | 7.45    | 7.96 | 2.5        | 1.24   | 92.8   |
| 1706     | 7/5/2011 10:01 | 17.64  |        |              | 7.49    | 7.96 | 2.5        | 1.30   | 92.4   |
| 1707     | 7/5/2011 10:16 | 17.69  |        |              | 7.50    | 7.96 | 3.0        | 1.36   | 91.9   |
| 1708     | 7/5/2011 10:31 | 17.57  |        |              | 7.31    | 7.95 | 2.9        | 1.44   | 91.8   |
| 1709     | 7/5/2011 10:46 | 17.67  |        |              | 7.31    | 7.93 | 5.7        | 1.53   | 89.6   |
| 1710     | 7/5/2011 11:01 | 17.52  |        |              | 7.74    | 7.94 | 4.0        | 1.62   | 89.9   |
| 1711     | 7/5/2011 11:16 | 17.46  |        |              | 7.66    | 7.93 | 4.3        | 1.70   | 88.8   |
| 1712     | 7/5/2011 11:31 | 17.44  |        |              | 7.28    | 7.92 | 4.9        | 1.78   | 88.4   |
| 1713     | 7/5/2011 11:46 | 17.32  |        |              | 7.10    | 7.93 | 4.3        | 1.87   | 89.8   |
| 1714     | 7/5/2011 12:01 | 17.15  |        |              | 7.86    | 7.93 | 3.9        | 1.98   | 90.1   |
| 1715     | 7/5/2011 12:16 | 16.92  |        |              | 7.83    | 7.92 | 4.0        | 2.08   | 89.7   |
| 1716     | 7/5/2011 12:31 | 16.71  |        |              | 7.92    | 7.92 | 4.2        | 2.19   | 90.3   |
| 1717     | 7/5/2011 12:46 | 16.59  |        |              | 7.98    | 7.92 | 6.8        | 2.30   | 90.7   |
| 1718     | 7/5/2011 13:01 | 16.42  |        |              | 7.96    | 7.91 | 4.9        | 2.41   | 90.4   |
| 1719     | 7/5/2011 13:16 | 16.42  |        |              | 8.03    | 7.91 | 4.9        | 2.51   | 90.9   |
| 1720     | 7/5/2011 13:31 | 16.27  |        |              | 8.05    | 7.91 | 5.7        | 2.61   | 90.9   |
| 1721     | 7/5/2011 13:46 | 16.04  |        |              | 8.04    | 7.90 | 6.0        | 2.71   | 90.4   |
| 1722     | 7/5/2011 14:01 | 15.62  |        |              | 8.10    | 7.89 | 8.5        | 2.81   | 90.2   |
| 1723     | 7/5/2011 14:16 | 15.36  | 49.53  | 32.43        | 7.38    | 7.88 | 10.6       | 2.87   | 89.9   |
| 1724     | 7/5/2011 14:31 | 14.98  | 49.38  | 32.31        | 7.41    | 7.87 | 10.4       | 2.96   | 89.5   |
| 1725     | 7/5/2011 14:46 | 14.21  | 49.93  | 32.69        | 7.44    | 7.86 | 15.6       | 3.05   | 88.7   |
| 1726     | 7/5/2011 15:01 | 13.53  | 50.14  | 32.82        | 7.65    | 7.86 | 14.0       | 3.14   | 90.0   |
| 1727     | 7/5/2011 15:16 | 13.28  | 49.96  | 32.68        | 7.75    | 7.86 | 17.0       | 3.22   | 90.7   |
| 1728     | 7/5/2011 15:31 | 13.10  | 50.31  | 32.93        | 7.82    | 7.87 | 12.9       | 3.30   | 91.3   |
| 1729     | 7/5/2011 15:46 | 12.87  | 50.38  | 32.97        | 7.79    | 7.86 | 10.7       | 3.36   | 90.6   |
| 1730     | 7/5/2011 16:01 | 12.75  | 50.29  | 32.90        | 7.78    | 7.86 | 7.1        | 3.42   | 90.2   |
| 1731     | 7/5/2011 16:16 | 12.81  | 50.18  | 32.82        | 7.71    | 7.86 | 4.0        | 3.45   | 89.5   |
| 1732     | 7/5/2011 16:31 | 12.44  | 50.25  | 32.86        | 7.72    | 7.85 | 2.7        | 3.48   | 88.8   |
|          | Mean           | 15.50  | 49.83  | 32.64        | 8.25    | 7.90 | 7.28       | 2.58   | 98.74  |
|          | Minimum        | 10.65  | 41.87  | 26.92        | 6.74    | 7.70 | 0.60       | 0.93   | 75.70  |
|          | Maximum        | 19.07  | 51.05  | 33.40        | 11.94   | 8.13 | 26.20      | 3.85   | 137.10 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

Conductivity/Salinity probe displaying inconsistent readings



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 0        | 7/5/2011 17:01:19 | 12.63  | 51.32  | 33.65        | 8.06    | 7.83 | 7.4        | 3.42            | 93.6  |
| 1        | 7/5/2011 17:16:19 | 12.75  | 51.31  | 33.64        | 7.96    | 7.83 | 6.2        | 3.37            | 92.7  |
| 2        | 7/5/2011 17:31:19 | 15.01  | 51.03  | 33.52        | 8.47    | 7.89 | 5.7        | 3.30            | 103.2 |
| 3        | 7/5/2011 17:46:19 | 14.67  | 51.21  | 33.64        | 8.52    | 7.90 | 6.6        | 3.20            | 103.2 |
| 4        | 7/5/2011 18:01:19 | 15.71  | 51.13  | 33.61        | 9.10    | 7.96 | 7.1        | 3.11            | 112.5 |
| 5        | 7/5/2011 18:16:19 | 15.60  | 51.14  | 33.61        | 8.88    | 7.95 | 9.5        | 3.01            | 109.5 |
| 6        | 7/5/2011 18:31:19 | 16.08  | 50.90  | 33.45        | 8.91    | 7.95 | 8.5        | 2.92            | 110.8 |
| 7        | 7/5/2011 18:46:19 | 15.98  | 50.96  | 33.49        | 8.72    | 7.94 | 6.8        | 2.82            | 108.3 |
| 8        | 7/5/2011 19:01:19 | 16.22  | 50.99  | 33.51        | 8.81    | 7.95 | 6.3        | 2.73            | 109.9 |
| 9        | 7/5/2011 19:16:19 | 16.68  | 50.94  | 33.48        | 9.09    | 7.97 | 6.2        | 2.64            | 114.4 |
| 10       | 7/5/2011 19:31:19 | 17.30  | 50.86  | 33.43        | 9.28    | 7.99 | 5.4        | 2.55            | 118.2 |
| 11       | 7/5/2011 19:46:19 | 17.04  | 50.99  | 33.52        | 10.50   | 8.07 | 5.2        | 2.46            | 133.1 |
| 12       | 7/5/2011 20:01:19 | 17.72  | 50.81  | 33.40        | 9.60    | 8.02 | 5.2        | 2.37            | 123.2 |
| 13       | 7/5/2011 20:16:19 | 17.19  | 50.98  | 33.52        | 9.83    | 8.03 | 5.3        | 2.29            | 124.9 |
| 14       | 7/5/2011 20:31:19 | 17.76  | 50.83  | 33.41        | 9.45    | 8.02 | 5.1        | 2.22            | 121.4 |
| 15       | 7/5/2011 20:46:19 | 18.01  | 50.85  | 33.43        | 9.38    | 8.02 | 4.9        | 2.14            | 121.1 |
| 16       | 7/5/2011 21:01:19 | 18.39  | 50.76  | 33.36        | 9.27    | 8.02 | 5.0        | 2.07            | 120.5 |
| 17       | 7/5/2011 21:16:19 | 18.44  | 50.62  | 33.26        | 9.19    | 8.02 | 4.6        | 2.02            | 119.5 |
| 18       | 7/5/2011 21:31:19 | 18.51  | 50.69  | 33.32        | 9.18    | 8.02 | 4.4        | 1.98            | 119.6 |
| 19       | 7/5/2011 21:46:18 | 18.60  | 50.58  | 33.24        | 8.97    | 8.02 | 3.5        | 1.94            | 116.9 |
| 20       | 7/5/2011 22:01:19 | 18.67  | 50.69  | 33.31        | 8.96    | 8.01 | 3.8        | 1.93            | 117.0 |
| 21       | 7/5/2011 22:16:19 | 18.52  | 50.63  | 33.27        | 9.10    | 8.01 | 4.5        | 1.96            | 118.5 |
| 22       | 7/5/2011 22:31:19 | 18.41  | 50.68  | 33.30        | 9.08    | 8.00 | 4.4        | 1.96            | 118.0 |
| 23       | 7/5/2011 22:46:19 | 18.37  | 50.72  | 33.34        | 8.98    | 8.00 | 4.3        | 2.01            | 116.7 |
| 24       | 7/5/2011 23:01:19 | 18.30  | 50.64  | 33.28        | 8.92    | 7.99 | 5.4        | 2.07            | 115.7 |
| 25       | 7/5/2011 23:16:19 | 18.15  | 50.69  | 33.31        | 8.82    | 7.98 | 6.5        | 2.13            | 114.0 |
| 26       | 7/5/2011 23:31:19 | 18.33  | 50.50  | 33.17        | 8.54    | 7.96 | 7.3        | 2.20            | 110.8 |
| 27       | 7/5/2011 23:46:19 | 18.26  | 50.47  | 33.15        | 8.49    | 7.95 | 6.6        | 2.27            | 109.9 |
| 28       | 7/6/2011 00:01:19 | 17.96  | 50.66  | 33.29        | 8.60    | 7.95 | 6.0        | 2.36            | 110.8 |
| 29       | 7/6/2011 00:16:19 | 17.64  | 50.68  | 33.30        | 8.60    | 7.95 | 5.2        | 2.43            | 110.1 |
| 30       | 7/6/2011 00:31:19 | 17.21  | 50.74  | 33.34        | 8.47    | 7.93 | 5.3        | 2.50            | 107.6 |
| 31       | 7/6/2011 00:46:19 | 16.66  | 50.81  | 33.39        | 8.24    | 7.91 | 5.4        | 2.58            | 103.7 |
| 32       | 7/6/2011 01:01:19 | 16.33  | 50.85  | 33.41        | 8.12    | 7.90 | 4.6        | 2.65            | 101.5 |
| 33       | 7/6/2011 01:16:19 | 16.07  | 50.93  | 33.47        | 8.14    | 7.89 | 4.6        | 2.72            | 101.2 |
| 34       | 7/6/2011 01:31:19 | 15.96  | 50.85  | 33.40        | 8.13    | 7.89 | 4.5        | 2.79            | 100.9 |
| 35       | 7/6/2011 01:46:19 | 15.77  | 51.02  | 33.52        | 8.12    | 7.89 | 5.1        | 2.87            | 100.4 |
| 36       | 7/6/2011 02:01:19 | 15.28  | 51.00  | 33.50        | 8.11    | 7.88 | 5.9        | 2.94            | 99.4  |
| 37       | 7/6/2011 02:16:19 | 15.03  | 51.09  | 33.56        | 8.10    | 7.87 | 5.1        | 3.01            | 98.7  |
| 38       | 7/6/2011 02:31:19 | 14.74  | 51.04  | 33.52        | 8.10    | 7.87 | 5.5        | 3.07            | 98.1  |
| 39       | 7/6/2011 02:46:18 | 14.35  | 51.14  | 33.58        | 8.18    | 7.86 | 5.4        | 3.14            | 98.3  |
| 40       | 7/6/2011 03:01:19 | 14.07  | 51.22  | 33.63        | 8.21    | 7.86 | 5.2        | 3.20            | 98.2  |
| 41       | 7/6/2011 03:16:19 | 13.79  | 51.21  | 33.61        | 8.24    | 7.86 | 5.6        | 3.26            | 97.9  |
| 42       | 7/6/2011 03:31:19 | 13.59  | 51.28  | 33.66        | 8.24    | 7.86 | 4.9        | 3.30            | 97.6  |
| 43       | 7/6/2011 03:46:19 | 13.50  | 51.29  | 33.66        | 8.21    | 7.85 | 4.3        | 3.34            | 97.1  |
| 44       | 7/6/2011 04:01:19 | 13.23  | 51.24  | 33.61        | 8.20    | 7.85 | 3.8        | 3.35            | 96.4  |
| 45       | 7/6/2011 04:16:19 | 13.51  | 51.32  | 33.68        | 7.87    | 7.84 | 2.5        | 3.34            | 93.1  |
| 46       | 7/6/2011 04:31:19 | 13.38  | 51.28  | 33.65        | 7.85    | 7.83 | 3.4        | 3.34            | 92.6  |
| 47       | 7/6/2011 04:46:19 | 13.78  | 51.10  | 33.53        | 7.86    | 7.84 | 3.1        | 3.29            | 93.4  |
| 48       | 7/6/2011 05:01:19 | 14.41  | 51.10  | 33.55        | 7.80    | 7.84 | 4.6        | 3.22            | 93.9  |
| 49       | 7/6/2011 05:16:19 | 14.88  | 51.04  | 33.52        | 7.72    | 7.85 | 5.2        | 3.14            | 93.8  |
| 50       | 7/6/2011 05:31:19 | 14.97  | 51.03  | 33.52        | 7.63    | 7.84 | 6.5        | 3.06            | 92.9  |
| 51       | 7/6/2011 05:46:19 | 15.29  | 51.01  | 33.51        | 7.59    | 7.85 | 6.2        | 2.96            | 92.9  |
| 52       | 7/6/2011 06:01:18 | 15.49  | 50.88  | 33.42        | 7.55    | 7.85 | 6.9        | 2.85            | 92.8  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 53       | 7/6/2011 06:16:19 | 15.94  | 50.86           | 33.42        | 7.35            | 7.85 | 6.5               | 2.76            | 91.2  |
| 54       | 7/6/2011 06:31:19 | 16.17  | 50.87           | 33.42        | 7.29            | 7.85 | 6.8               | 2.65            | 90.8  |
| 55       | 7/6/2011 06:46:19 | 16.38  | 50.85           | 33.42        | 7.01            | 7.84 | 5.9               | 2.55            | 87.6  |
| 56       | 7/6/2011 07:01:19 | 16.60  | 50.76           | 33.35        | 7.42            | 7.87 | 7.9               | 2.44            | 93.2  |
| 57       | 7/6/2011 07:16:19 | 16.73  | 50.79           | 33.38        | 7.50            | 7.87 | 8.9               | 2.32            | 94.4  |
| 58       | 7/6/2011 07:31:19 | 16.59  | 50.86           | 33.43        | 7.51            | 7.87 | 6.5               | 2.22            | 94.3  |
| 59       | 7/6/2011 07:46:19 | 16.48  | 50.83           | 33.40        | 7.64            | 7.88 | 7.8               | 2.10            | 95.7  |
| 60       | 7/6/2011 08:01:19 | 16.84  | 50.83           | 33.40        | 7.69            | 7.89 | 6.8               | 1.98            | 97.1  |
| 61       | 7/6/2011 08:16:19 | 16.92  | 50.81           | 33.39        | 7.88            | 7.90 | 6.8               | 1.86            | 99.5  |
| 62       | 7/6/2011 08:31:19 | 17.22  | 50.70           | 33.31        | 8.04            | 7.92 | 7.1               | 1.74            | 102.2 |
| 63       | 7/6/2011 08:46:19 | 17.41  | 50.73           | 33.34        | 8.10            | 7.93 | 6.0               | 1.66            | 103.3 |
| 64       | 7/6/2011 09:01:19 | 17.61  | 50.73           | 33.34        | 8.04            | 7.93 | 5.7               | 1.56            | 103.0 |
| 65       | 7/6/2011 09:16:19 | 17.79  | 50.74           | 33.35        | 7.97            | 7.93 | 5.6               | 1.48            | 102.4 |
| 66       | 7/6/2011 09:31:19 | 18.15  | 50.51           | 33.18        | 7.89            | 7.94 | 4.6               | 1.45            | 101.9 |
| 67       | 7/6/2011 09:46:19 | 18.15  | 50.64           | 33.28        | 8.06            | 7.94 | 5.1               | 1.40            | 104.3 |
| 68       | 7/6/2011 10:01:19 | 18.19  | 50.68           | 33.31        | 7.89            | 7.94 | 4.4               | 1.39            | 102.1 |
| 69       | 7/6/2011 10:16:19 | 18.11  | 50.67           | 33.30        | 7.97            | 7.93 | 4.2               | 1.39            | 103.0 |
| 70       | 7/6/2011 10:31:19 | 18.07  | 50.63           | 33.27        | 8.03            | 7.93 | 5.6               | 1.43            | 103.7 |
| 71       | 7/6/2011 10:46:19 | 18.00  | 50.68           | 33.30        | 7.93            | 7.93 | 5.1               | 1.47            | 102.3 |
| 72       | 7/6/2011 11:01:18 | 18.11  | 50.48           | 33.16        | 7.94            | 7.93 | 4.8               | 1.54            | 102.5 |
| 73       | 7/6/2011 11:16:19 | 17.94  | 50.65           | 33.28        | 7.90            | 7.92 | 5.4               | 1.61            | 101.7 |
| 74       | 7/6/2011 11:31:19 | 18.11  | 50.40           | 33.10        | 7.65            | 7.90 | 7.0               | 1.69            | 98.7  |
| 75       | 7/6/2011 11:46:19 | 17.88  | 50.53           | 33.19        | 7.61            | 7.90 | 5.8               | 1.78            | 97.9  |
| 76       | 7/6/2011 12:01:19 | 17.89  | 50.44           | 33.13        | 7.55            | 7.89 | 6.0               | 1.85            | 97.1  |
| 77       | 7/6/2011 12:16:19 | 17.71  | 50.58           | 33.23        | 7.63            | 7.90 | 5.4               | 1.95            | 97.8  |
| 78       | 7/6/2011 12:31:19 | 17.60  | 50.63           | 33.27        | 7.64            | 7.90 | 4.6               | 2.03            | 97.8  |
| 79       | 7/6/2011 12:46:19 | 17.29  | 50.60           | 33.24        | 7.60            | 7.88 | 4.7               | 2.13            | 96.6  |
| 80       | 7/6/2011 13:01:19 | 17.02  | 50.63           | 33.26        | 7.62            | 7.88 | 5.0               | 2.22            | 96.4  |
| 81       | 7/6/2011 13:16:19 | 16.89  | 50.80           | 33.38        | 7.68            | 7.88 | 5.4               | 2.31            | 97.0  |
| 82       | 7/6/2011 13:31:18 | 16.75  | 50.62           | 33.25        | 7.67            | 7.87 | 5.6               | 2.42            | 96.6  |
| 83       | 7/6/2011 13:46:18 | 16.80  | 50.85           | 33.42        | 7.71            | 7.87 | 6.8               | 2.52            | 97.3  |
| 84       | 7/6/2011 14:01:18 | 16.74  | 50.78           | 33.37        | 7.73            | 7.87 | 6.0               | 2.60            | 97.4  |
| 85       | 7/6/2011 14:16:18 | 16.42  | 50.78           | 33.36        | 7.71            | 7.86 | 6.0               | 2.70            | 96.5  |
| 86       | 7/6/2011 14:31:19 | 16.07  | 50.86           | 33.42        | 7.70            | 7.86 | 8.3               | 2.80            | 95.8  |
| 87       | 7/6/2011 14:46:19 | 15.82  | 50.87           | 33.42        | 7.85            | 7.85 | 9.6               | 2.89            | 97.1  |
| 88       | 7/6/2011 15:01:19 | 15.55  | 50.81           | 33.37        | 7.92            | 7.85 | 10.7              | 2.98            | 97.4  |
| 89       | 7/6/2011 15:16:19 | 14.95  | 51.04           | 33.52        | 7.90            | 7.84 | 11.0              | 3.07            | 96.2  |
| 90       | 7/6/2011 15:31:19 | 14.09  | 51.16           | 33.59        | 8.02            | 7.83 | 19.2              | 3.16            | 96.0  |
| 91       | 7/6/2011 15:46:19 | 13.47  | 51.29           | 33.66        | 8.27            | 7.84 | 15.6              | 3.25            | 97.8  |
| 92       | 7/6/2011 16:01:19 | 13.32  | 51.25           | 33.63        | 8.33            | 7.84 | 15.2              | 3.34            | 98.2  |
| 93       | 7/6/2011 16:16:19 | 13.09  | 51.40           | 33.72        | 8.43            | 7.85 | 12.1              | 3.41            | 98.9  |
| 94       | 7/6/2011 16:31:19 | 12.86  | 51.34           | 33.67        | 8.48            | 7.88 | 9.5               | 3.48            | 98.9  |
| 95       | 7/6/2011 16:46:19 | 12.65  | 51.38           | 33.69        | 8.58            | 7.85 | 7.1               | 3.52            | 99.7  |
| 96       | 7/6/2011 17:01:19 | 12.57  | 51.47           | 33.76        | 8.69            | 7.86 | 5.5               | 3.56            | 100.9 |
| 97       | 7/6/2011 17:16:19 | 13.21  | 51.29           | 33.65        | 8.40            | 7.88 | 3.9               | 3.57            | 98.8  |
| 98       | 7/6/2011 17:31:19 | 12.87  | 51.46           | 33.76        | 8.18            | 7.84 | 3.1               | 3.56            | 95.6  |
| 99       | 7/6/2011 17:46:19 | 12.72  | 51.39           | 33.70        | 8.36            | 7.88 | 4.8               | 3.53            | 97.3  |
| 100      | 7/6/2011 18:01:18 | 13.41  | 51.12           | 33.53        | 8.30            | 7.84 | 6.0               | 3.47            | 97.9  |
| 101      | 7/6/2011 18:16:19 | 14.70  | 51.20           | 33.63        | 8.59            | 7.88 | 7.6               | 3.40            | 104.1 |
| 102      | 7/6/2011 18:31:19 | 14.55  | 51.21           | 33.63        | 8.74            | 7.89 | 6.5               | 3.30            | 105.5 |
| 103      | 7/6/2011 18:46:19 | 15.62  | 51.03           | 33.53        | 9.25            | 7.95 | 7.9               | 3.21            | 114.1 |
| 104      | 7/6/2011 19:01:19 | 15.93  | 50.96           | 33.48        | 9.13            | 7.94 | 8.7               | 3.11            | 113.3 |
| 105      | 7/6/2011 19:16:19 | 16.12  | 50.94           | 33.47        | 8.78            | 7.92 | 9.0               | 3.01            | 109.3 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 106      | 7/6/2011 19:31:19 | 16.17  | 50.94           | 33.47        | 8.83            | 7.92 | 7.5               | 2.90            | 110.0 |
| 107      | 7/6/2011 19:46:19 | 16.27  | 50.95           | 33.48        | 8.80            | 7.93 | 6.2               | 2.81            | 109.9 |
| 108      | 7/6/2011 20:01:19 | 16.56  | 50.93           | 33.47        | 8.82            | 7.93 | 5.6               | 2.72            | 110.8 |
| 109      | 7/6/2011 20:16:18 | 17.36  | 50.72           | 33.33        | 9.21            | 7.97 | 5.7               | 2.62            | 117.3 |
| 110      | 7/6/2011 20:31:18 | 17.45  | 50.72           | 33.33        | 9.41            | 7.99 | 12.5              | 2.53            | 120.1 |
| 111      | 7/6/2011 20:46:19 | 17.15  | 50.92           | 33.48        | 9.48            | 8.00 | 5.1               | 2.44            | 120.3 |
| 112      | 7/6/2011 21:01:19 | 17.44  | 50.80           | 33.39        | 9.38            | 7.99 | 10.3              | 2.35            | 119.7 |
| 113      | 7/6/2011 21:16:18 | 17.44  | 50.86           | 33.43        | 9.26            | 7.99 | 5.9               | 2.26            | 118.2 |
| 114      | 7/6/2011 21:31:18 | 18.17  | 50.65           | 33.29        | 9.09            | 7.99 | 6.5               | 2.16            | 117.5 |
| 115      | 7/6/2011 21:46:19 | 18.56  | 50.71           | 33.33        | 9.09            | 8.00 | 6.4               | 2.09            | 118.5 |
| 116      | 7/6/2011 22:01:19 | 18.61  | 50.84           | 33.42        | 9.18            | 8.01 | 5.5               | 2.01            | 119.9 |
| 117      | 7/6/2011 22:16:19 | 18.91  | 50.75           | 33.36        | 9.04            | 8.01 | 4.8               | 1.95            | 118.7 |
| 118      | 7/6/2011 22:31:19 | 19.01  | 50.76           | 33.37        | 9.01            | 8.01 | 4.8               | 1.91            | 118.5 |
| 119      | 7/6/2011 22:46:18 | 19.02  | 50.68           | 33.31        | 8.75            | 7.99 | 3.4               | 1.89            | 115.0 |
| 120      | 7/6/2011 23:01:19 | 19.20  | 50.67           | 33.30        | 8.83            | 8.00 | 4.0               | 1.85            | 116.4 |
| 121      | 7/6/2011 23:16:19 | 18.97  | 50.76           | 33.36        | 8.99            | 8.00 | 4.8               | 1.87            | 118.1 |
| 122      | 7/6/2011 23:31:19 | 18.87  | 50.75           | 33.36        | 8.94            | 8.00 | 5.4               | 1.89            | 117.3 |
| 123      | 7/6/2011 23:46:19 | 18.81  | 50.65           | 33.29        | 8.88            | 7.99 | 6.3               | 1.92            | 116.3 |
| 124      | 7/7/2011 00:01:19 | 18.72  | 50.76           | 33.36        | 8.84            | 7.98 | 6.1               | 1.98            | 115.6 |
| 125      | 7/7/2011 00:16:19 | 18.60  | 50.72           | 33.33        | 8.77            | 7.97 | 5.9               | 2.04            | 114.3 |
| 126      | 7/7/2011 00:31:19 | 18.73  | 50.59           | 33.24        | 8.38            | 7.94 | 7.3               | 2.12            | 109.5 |
| 127      | 7/7/2011 00:46:19 | 18.72  | 50.54           | 33.20        | 8.24            | 7.93 | 8.1               | 2.18            | 107.7 |
| 128      | 7/7/2011 01:01:19 | 18.47  | 50.59           | 33.24        | 8.38            | 7.94 | 6.3               | 2.26            | 108.9 |
| 129      | 7/7/2011 01:16:19 | 18.28  | 50.71           | 33.33        | 8.43            | 7.94 | 6.0               | 2.33            | 109.3 |
| 130      | 7/7/2011 01:31:18 | 17.93  | 50.55           | 33.21        | 8.41            | 7.93 | 6.3               | 2.39            | 108.3 |
| 131      | 7/7/2011 01:46:19 | 17.46  | 50.78           | 33.38        | 8.29            | 7.91 | 6.0               | 2.47            | 105.9 |
| 132      | 7/7/2011 02:01:19 | 17.17  | 50.84           | 33.41        | 8.21            | 7.90 | 5.2               | 2.54            | 104.3 |
| 133      | 7/7/2011 02:16:19 | 16.75  | 50.88           | 33.44        | 8.16            | 7.89 | 4.5               | 2.60            | 102.9 |
| 134      | 7/7/2011 02:31:19 | 16.53  | 50.97           | 33.50        | 8.16            | 7.89 | 4.2               | 2.67            | 102.4 |
| 135      | 7/7/2011 02:46:19 | 16.43  | 51.01           | 33.53        | 8.17            | 7.89 | 4.2               | 2.73            | 102.3 |
| 136      | 7/7/2011 03:01:19 | 16.28  | 51.01           | 33.53        | 8.16            | 7.88 | 4.8               | 2.80            | 101.9 |
| 137      | 7/7/2011 03:16:19 | 16.05  | 50.93           | 33.47        | 8.15            | 7.88 | 4.3               | 2.86            | 101.4 |
| 138      | 7/7/2011 03:31:19 | 15.81  | 51.01           | 33.52        | 8.15            | 7.88 | 4.2               | 2.92            | 100.9 |
| 139      | 7/7/2011 03:46:18 | 15.62  | 50.92           | 33.45        | 8.16            | 7.87 | 3.8               | 2.98            | 100.5 |
| 140      | 7/7/2011 04:01:18 | 15.38  | 50.92           | 33.45        | 8.17            | 7.87 | 3.7               | 3.03            | 100.2 |
| 141      | 7/7/2011 04:16:19 | 15.09  | 51.13           | 33.59        | 8.19            | 7.87 | 3.9               | 3.09            | 100.0 |
| 142      | 7/7/2011 04:31:19 | 14.86  | 51.18           | 33.62        | 8.20            | 7.86 | 3.9               | 3.13            | 99.7  |
| 143      | 7/7/2011 04:46:19 | 14.76  | 51.17           | 33.61        | 8.16            | 7.86 | 4.0               | 3.16            | 99.0  |
| 144      | 7/7/2011 05:01:19 | 14.54  | 51.22           | 33.64        | 8.21            | 7.90 | 3.1               | 3.18            | 99.1  |
| 145      | 7/7/2011 05:16:19 | 14.90  | 51.18           | 33.62        | 7.84            | 7.85 | 2.9               | 3.18            | 95.4  |
| 146      | 7/7/2011 05:31:19 | 14.68  | 51.20           | 33.63        | 7.98            | 7.85 | 2.7               | 3.16            | 96.6  |
| 147      | 7/7/2011 05:46:19 | 14.58  | 51.22           | 33.65        | 8.01            | 7.88 | 3.7               | 3.13            | 96.9  |
| 148      | 7/7/2011 06:01:19 | 14.84  | 51.17           | 33.62        | 7.96            | 7.85 | 3.8               | 3.08            | 96.7  |
| 149      | 7/7/2011 06:16:18 | 15.69  | 50.99           | 33.50        | 7.52            | 7.84 | 4.6               | 3.02            | 92.8  |
| 150      | 7/7/2011 06:31:18 | 15.85  | 50.97           | 33.49        | 7.68            | 7.85 | 5.0               | 2.93            | 95.1  |
| 151      | 7/7/2011 06:46:19 | 15.93  | 50.96           | 33.49        | 7.59            | 7.84 | 5.1               | 2.85            | 94.1  |
| 152      | 7/7/2011 07:01:18 | 16.15  | 50.87           | 33.43        | 7.38            | 7.83 | 4.9               | 2.76            | 91.9  |
| 153      | 7/7/2011 07:16:19 | 16.28  | 50.96           | 33.49        | 7.32            | 7.83 | 4.6               | 2.67            | 91.4  |
| 154      | 7/7/2011 07:31:19 | 16.51  | 50.87           | 33.43        | 7.19            | 7.83 | 5.6               | 2.59            | 90.2  |
| 155      | 7/7/2011 07:46:18 | 16.40  | 50.86           | 33.42        | 7.23            | 7.83 | 5.3               | 2.49            | 90.4  |
| 156      | 7/7/2011 08:01:18 | 16.09  | 51.00           | 33.52        | 7.32            | 7.82 | 4.8               | 2.41            | 91.1  |
| 157      | 7/7/2011 08:16:19 | 16.89  | 51.01           | 33.54        | 7.34            | 7.85 | 5.1               | 2.30            | 92.8  |
| 158      | 7/7/2011 08:31:19 | 16.87  | 50.96           | 33.50        | 7.55            | 7.86 | 5.6               | 2.21            | 95.4  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 159      | 7/7/2011 08:46:19 | 17.38  | 50.85           | 33.42        | 7.52            | 7.87 | 5.4               | 2.12            | 95.9  |
| 160      | 7/7/2011 09:01:19 | 17.66  | 50.89           | 33.45        | 7.62            | 7.89 | 4.9               | 2.02            | 97.7  |
| 161      | 7/7/2011 09:16:19 | 17.86  | 50.86           | 33.44        | 7.73            | 7.90 | 4.6               | 1.93            | 99.5  |
| 162      | 7/7/2011 09:31:19 | 18.21  | 50.82           | 33.41        | 7.77            | 7.91 | 4.8               | 1.85            | 100.7 |
| 163      | 7/7/2011 09:46:19 | 18.32  | 50.76           | 33.37        | 7.83            | 7.92 | 4.3               | 1.79            | 101.6 |
| 164      | 7/7/2011 10:01:19 | 18.38  | 50.81           | 33.40        | 7.91            | 7.93 | 4.2               | 1.72            | 102.7 |
| 165      | 7/7/2011 10:16:19 | 18.42  | 50.74           | 33.35        | 8.10            | 7.93 | 4.0               | 1.67            | 105.3 |
| 166      | 7/7/2011 10:31:19 | 18.49  | 50.80           | 33.39        | 7.86            | 7.93 | 3.8               | 1.65            | 102.3 |
| 167      | 7/7/2011 10:46:19 | 18.55  | 50.73           | 33.35        | 7.95            | 7.93 | 4.0               | 1.63            | 103.6 |
| 168      | 7/7/2011 11:01:19 | 18.40  | 50.79           | 33.39        | 7.80            | 7.92 | 3.9               | 1.62            | 101.4 |
| 169      | 7/7/2011 11:16:19 | 18.31  | 50.85           | 33.43        | 7.75            | 7.91 | 3.7               | 1.67            | 100.6 |
| 170      | 7/7/2011 11:31:19 | 18.33  | 50.77           | 33.37        | 7.77            | 7.91 | 4.2               | 1.70            | 100.8 |
| 171      | 7/7/2011 11:46:19 | 18.32  | 50.85           | 33.43        | 7.72            | 7.91 | 5.3               | 1.75            | 100.2 |
| 172      | 7/7/2011 12:01:19 | 18.23  | 50.85           | 33.43        | 7.70            | 7.90 | 4.8               | 1.81            | 99.8  |
| 173      | 7/7/2011 12:16:19 | 18.39  | 50.70           | 33.32        | 7.66            | 7.90 | 6.6               | 1.89            | 99.5  |
| 174      | 7/7/2011 12:31:19 | 18.47  | 50.62           | 33.26        | 7.50            | 7.88 | 6.3               | 1.96            | 97.6  |
| 175      | 7/7/2011 12:46:19 | 18.30  | 50.76           | 33.36        | 7.51            | 7.88 | 5.4               | 2.04            | 97.4  |
| 176      | 7/7/2011 13:01:19 | 18.14  | 50.81           | 33.40        | 7.61            | 7.89 | 4.5               | 2.12            | 98.5  |
| 177      | 7/7/2011 13:16:19 | 17.90  | 50.86           | 33.43        | 7.53            | 7.88 | 4.3               | 2.21            | 97.0  |
| 178      | 7/7/2011 13:31:19 | 17.57  | 50.90           | 33.46        | 7.56            | 7.87 | 4.5               | 2.30            | 96.8  |
| 179      | 7/7/2011 13:46:19 | 17.34  | 50.93           | 33.49        | 7.64            | 7.87 | 4.7               | 2.38            | 97.4  |
| 180      | 7/7/2011 14:01:19 | 17.20  | 50.97           | 33.51        | 7.79            | 7.87 | 5.0               | 2.47            | 99.1  |
| 181      | 7/7/2011 14:16:19 | 17.05  | 50.94           | 33.49        | 7.78            | 7.87 | 4.6               | 2.56            | 98.6  |
| 182      | 7/7/2011 14:31:19 | 16.98  | 51.02           | 33.54        | 7.79            | 7.87 | 5.9               | 2.65            | 98.7  |
| 183      | 7/7/2011 14:46:18 | 16.70  | 50.81           | 33.39        | 7.78            | 7.86 | 5.2               | 2.74            | 97.9  |
| 184      | 7/7/2011 15:01:18 | 16.63  | 50.93           | 33.47        | 7.82            | 7.86 | 5.7               | 2.83            | 98.4  |
| 185      | 7/7/2011 15:16:19 | 16.19  | 51.07           | 33.57        | 7.82            | 7.85 | 7.0               | 2.92            | 97.5  |
| 186      | 7/7/2011 15:31:19 | 15.85  | 51.02           | 33.53        | 7.99            | 7.85 | 8.4               | 3.01            | 99.0  |
| 187      | 7/7/2011 15:46:19 | 15.61  | 51.06           | 33.55        | 8.10            | 7.85 | 10.0              | 3.10            | 99.9  |
| 188      | 7/7/2011 16:01:19 | 15.11  | 51.19           | 33.64        | 8.17            | 7.85 | 9.6               | 3.20            | 99.8  |
| 189      | 7/7/2011 16:16:19 | 14.23  | 51.35           | 33.73        | 8.21            | 7.89 | 12.4              | 3.28            | 98.5  |
| 190      | 7/7/2011 16:31:19 | 13.82  | 51.37           | 33.73        | 8.25            | 7.89 | 14.0              | 3.36            | 98.3  |
| 191      | 7/7/2011 16:46:19 | 13.47  | 51.51           | 33.82        | 8.40            | 7.81 | 12.0              | 3.45            | 99.4  |
| 192      | 7/7/2011 17:01:19 | 13.28  | 51.50           | 33.80        | 8.49            | 7.90 | 9.3               | 3.51            | 100.0 |
| 193      | 7/7/2011 17:16:19 | 13.21  | 51.47           | 33.78        | 8.55            | 7.86 | 6.2               | 3.57            | 100.6 |
| 194      | 7/7/2011 17:31:19 | 13.14  | 51.49           | 33.79        | 8.56            | 7.91 | 5.6               | 3.62            | 100.5 |
| 195      | 7/7/2011 17:46:19 | 13.01  | 51.59           | 33.86        | 8.32            | 7.90 | 3.2               | 3.64            | 97.5  |
| 196      | 7/7/2011 18:01:19 | 13.13  | 51.38           | 33.72        | 8.11            | 7.84 | 2.9               | 3.65            | 95.2  |
| 197      | 7/7/2011 18:16:19 | 13.09  | 51.42           | 33.74        | 8.01            | 7.89 | 3.5               | 3.65            | 94.0  |
| 198      | 7/7/2011 18:31:19 | 13.18  | 51.56           | 33.85        | 8.33            | 7.84 | 5.6               | 3.60            | 98.0  |
| 199      | 7/7/2011 18:46:19 | 13.49  | 51.46           | 33.78        | 8.40            | 7.90 | 8.1               | 3.54            | 99.5  |
| 200      | 7/7/2011 19:01:19 | 13.96  | 51.47           | 33.81        | 8.67            | 7.88 | 8.4               | 3.47            | 103.6 |
| 201      | 7/7/2011 19:16:19 | 14.12  | 51.50           | 33.83        | 8.76            | 7.89 | 9.8               | 3.38            | 105.1 |
| 202      | 7/7/2011 19:31:19 | 14.16  | 51.53           | 33.86        | 8.69            | 7.93 | 8.9               | 3.28            | 104.3 |
| 203      | 7/7/2011 19:46:19 | 14.86  | 51.18           | 33.62        | 8.51            | 7.88 | 12.1              | 3.17            | 103.4 |
| 204      | 7/7/2011 20:01:19 | 15.63  | 51.09           | 33.58        | 8.32            | 7.87 | 12.2              | 3.08            | 102.7 |
| 205      | 7/7/2011 20:16:19 | 16.68  | 51.11           | 33.61        | 8.50            | 7.92 | 11.7              | 2.98            | 107.1 |
| 206      | 7/7/2011 20:31:19 | 16.91  | 51.06           | 33.58        | 8.62            | 7.94 | 11.4              | 2.87            | 109.0 |
| 207      | 7/7/2011 20:46:18 | 17.16  | 50.94           | 33.49        | 8.50            | 7.93 | 9.5               | 2.78            | 107.9 |
| 208      | 7/7/2011 21:01:19 | 16.40  | 51.10           | 33.60        | 8.53            | 7.91 | 13.6              | 2.68            | 106.8 |
| 209      | 7/7/2011 21:16:19 | 16.25  | 51.33           | 33.76        | 8.42            | 7.91 | 11.4              | 2.57            | 105.3 |
| 210      | 7/7/2011 21:31:19 | 16.79  | 51.02           | 33.54        | 8.39            | 7.94 | 9.8               | 2.47            | 105.8 |
| 211      | 7/7/2011 21:46:19 | 18.07  | 50.90           | 33.47        | 8.36            | 7.96 | 11.8              | 2.37            | 108.1 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 212      | 7/7/2011 22:01:18 | 18.07  | 50.98           | 33.52        | 8.40            | 7.97 | 9.0               | 2.28            | 108.6 |
| 213      | 7/7/2011 22:16:19 | 18.14  | 51.05           | 33.57        | 8.29            | 7.97 | 9.5               | 2.18            | 107.3 |
| 214      | 7/7/2011 22:31:19 | 18.63  | 51.02           | 33.56        | 8.26            | 7.98 | 9.0               | 2.09            | 108.0 |
| 215      | 7/7/2011 22:46:19 | 18.55  | 51.04           | 33.57        | 8.17            | 7.97 | 7.9               | 2.00            | 106.6 |
| 216      | 7/7/2011 23:01:19 | 18.71  | 51.03           | 33.57        | 8.09            | 7.97 | 7.2               | 1.92            | 105.9 |
| 217      | 7/7/2011 23:16:19 | 19.07  | 50.93           | 33.49        | 8.02            | 7.98 | 6.5               | 1.85            | 105.6 |
| 218      | 7/7/2011 23:31:18 | 19.08  | 50.89           | 33.46        | 8.02            | 7.98 | 5.9               | 1.78            | 105.6 |
| 219      | 7/7/2011 23:46:19 | 19.24  | 51.01           | 33.55        | 7.95            | 7.98 | 6.1               | 1.76            | 105.1 |
| 220      | 7/8/2011 00:01:19 | 19.31  | 50.90           | 33.47        | 7.99            | 7.98 | 6.2               | 1.74            | 105.7 |
| 221      | 7/8/2011 00:16:18 | 19.21  | 50.96           | 33.51        | 7.73            | 7.97 | 5.2               | 1.70            | 102.1 |
| 222      | 7/8/2011 00:31:19 | 19.11  | 50.93           | 33.49        | 8.07            | 7.98 | 5.7               | 1.74            | 106.4 |
| 223      | 7/8/2011 00:46:19 | 19.06  | 50.96           | 33.52        | 8.06            | 7.98 | 5.8               | 1.76            | 106.2 |
| 224      | 7/8/2011 01:01:18 | 18.96  | 50.88           | 33.45        | 8.07            | 7.97 | 6.1               | 1.81            | 106.1 |
| 225      | 7/8/2011 01:16:18 | 18.86  | 50.92           | 33.49        | 8.11            | 7.97 | 5.8               | 1.87            | 106.4 |
| 226      | 7/8/2011 01:31:19 | 18.79  | 51.01           | 33.55        | 8.04            | 7.96 | 6.2               | 1.92            | 105.4 |
| 227      | 7/8/2011 01:46:19 | 18.84  | 50.71           | 33.33        | 7.75            | 7.93 | 7.6               | 2.01            | 101.5 |
| 228      | 7/8/2011 02:01:19 | 18.85  | 50.61           | 33.26        | 7.65            | 7.92 | 8.1               | 2.07            | 100.2 |
| 229      | 7/8/2011 02:16:19 | 18.75  | 50.66           | 33.30        | 7.68            | 7.92 | 7.1               | 2.13            | 100.4 |
| 230      | 7/8/2011 02:31:19 | 18.62  | 50.82           | 33.41        | 7.83            | 7.93 | 7.1               | 2.20            | 102.2 |
| 231      | 7/8/2011 02:46:19 | 18.45  | 50.82           | 33.41        | 7.90            | 7.94 | 6.6               | 2.28            | 102.8 |
| 232      | 7/8/2011 03:01:18 | 18.09  | 50.78           | 33.38        | 7.83            | 7.92 | 7.4               | 2.34            | 101.2 |
| 233      | 7/8/2011 03:16:19 | 17.71  | 50.99           | 33.53        | 7.80            | 7.90 | 5.6               | 2.40            | 100.2 |
| 234      | 7/8/2011 03:31:19 | 17.46  | 51.03           | 33.56        | 7.85            | 7.90 | 5.6               | 2.47            | 100.3 |
| 235      | 7/8/2011 03:46:19 | 17.22  | 51.07           | 33.59        | 7.88            | 7.89 | 5.1               | 2.53            | 100.3 |
| 236      | 7/8/2011 04:01:19 | 17.03  | 51.07           | 33.58        | 7.90            | 7.89 | 4.8               | 2.59            | 100.1 |
| 237      | 7/8/2011 04:16:19 | 16.91  | 51.08           | 33.59        | 7.91            | 7.89 | 4.8               | 2.65            | 100.1 |
| 238      | 7/8/2011 04:31:18 | 16.79  | 51.00           | 33.53        | 7.91            | 7.88 | 4.2               | 2.70            | 99.8  |
| 239      | 7/8/2011 04:46:19 | 16.63  | 51.08           | 33.59        | 7.90            | 7.88 | 4.1               | 2.76            | 99.4  |
| 240      | 7/8/2011 05:01:19 | 16.34  | 51.03           | 33.55        | 7.89            | 7.87 | 4.0               | 2.82            | 98.7  |
| 241      | 7/8/2011 05:16:19 | 16.22  | 51.13           | 33.62        | 7.87            | 7.87 | 3.9               | 2.85            | 98.2  |
| 242      | 7/8/2011 05:31:19 | 16.02  | 51.17           | 33.64        | 7.88            | 7.87 | 3.6               | 2.90            | 97.9  |
| 243      | 7/8/2011 05:46:19 | 15.86  | 51.16           | 33.63        | 7.87            | 7.86 | 3.6               | 2.95            | 97.5  |
| 244      | 7/8/2011 06:01:19 | 15.66  | 51.22           | 33.67        | 7.85            | 7.86 | 3.5               | 2.97            | 96.9  |
| 245      | 7/8/2011 06:16:19 | 15.37  | 51.24           | 33.68        | 7.84            | 7.91 | 3.2               | 2.99            | 96.3  |
| 246      | 7/8/2011 06:31:19 | 15.81  | 51.19           | 33.65        | 7.43            | 7.85 | 3.2               | 3.00            | 92.0  |
| 247      | 7/8/2011 06:46:19 | 15.40  | 51.13           | 33.60        | 7.25            | 7.83 | 1.7               | 3.00            | 89.1  |
| 248      | 7/8/2011 07:01:19 | 15.42  | 51.23           | 33.67        | 7.60            | 7.84 | 3.1               | 2.96            | 93.4  |
| 249      | 7/8/2011 07:16:19 | 15.54  | 51.18           | 33.64        | 7.59            | 7.85 | 3.5               | 2.90            | 93.5  |
| 250      | 7/8/2011 07:31:19 | 15.97  | 51.14           | 33.62        | 7.42            | 7.85 | 4.0               | 2.85            | 92.2  |
| 251      | 7/8/2011 07:46:19 | 16.12  | 51.05           | 33.56        | 7.29            | 7.84 | 4.8               | 2.79            | 90.8  |
| 252      | 7/8/2011 08:01:19 | 16.34  | 51.11           | 33.60        | 7.44            | 7.85 | 4.9               | 2.71            | 93.0  |
| 253      | 7/8/2011 08:16:19 | 16.45  | 51.08           | 33.58        | 7.48            | 7.85 | 4.6               | 2.63            | 93.8  |
| 254      | 7/8/2011 08:31:19 | 16.50  | 51.09           | 33.59        | 7.48            | 7.86 | 4.1               | 2.55            | 93.9  |
| 255      | 7/8/2011 08:46:19 | 16.68  | 51.05           | 33.56        | 7.48            | 7.86 | 4.5               | 2.47            | 94.2  |
| 256      | 7/8/2011 09:01:19 | 16.81  | 51.14           | 33.63        | 7.44            | 7.86 | 4.6               | 2.41            | 93.9  |
| 257      | 7/8/2011 09:16:19 | 16.84  | 51.19           | 33.67        | 7.63            | 7.88 | 4.8               | 2.32            | 96.4  |
| 258      | 7/8/2011 09:31:19 | 17.19  | 51.05           | 33.57        | 7.74            | 7.89 | 4.3               | 2.25            | 98.4  |
| 259      | 7/8/2011 09:46:19 | 17.46  | 51.04           | 33.57        | 7.75            | 7.90 | 4.5               | 2.19            | 99.1  |
| 260      | 7/8/2011 10:01:19 | 17.68  | 51.05           | 33.57        | 7.76            | 7.91 | 4.2               | 2.12            | 99.6  |
| 261      | 7/8/2011 10:16:19 | 17.78  | 51.05           | 33.57        | 7.98            | 7.93 | 3.7               | 2.03            | 102.6 |
| 262      | 7/8/2011 10:31:19 | 17.93  | 50.92           | 33.48        | 8.05            | 7.94 | 4.1               | 1.99            | 103.8 |
| 263      | 7/8/2011 10:46:19 | 18.12  | 51.01           | 33.55        | 7.94            | 7.93 | 3.7               | 1.95            | 102.8 |
| 264      | 7/8/2011 11:01:19 | 18.25  | 50.93           | 33.49        | 7.86            | 7.93 | 2.9               | 1.90            | 101.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 265      | 7/8/2011 11:16:19 | 18.37  | 51.03  | 33.56        | 7.81    | 7.93 | 3.4        | 1.86            | 101.6 |
| 266      | 7/8/2011 11:31:19 | 18.49  | 51.01  | 33.55        | 7.78    | 7.94 | 3.9        | 1.87            | 101.4 |
| 267      | 7/8/2011 11:46:19 | 18.50  | 51.01  | 33.55        | 7.75    | 7.93 | 3.7        | 1.87            | 101.0 |
| 268      | 7/8/2011 12:01:19 | 18.54  | 51.00  | 33.55        | 7.63    | 7.93 | 3.3        | 1.87            | 99.6  |
| 269      | 7/8/2011 12:16:19 | 18.35  | 51.01  | 33.55        | 7.71    | 7.92 | 3.7        | 1.90            | 100.2 |
| 270      | 7/8/2011 12:31:18 | 18.30  | 50.87  | 33.45        | 7.84    | 7.92 | 4.0        | 1.94            | 101.7 |
| 271      | 7/8/2011 12:46:19 | 18.28  | 50.99  | 33.53        | 7.80    | 7.92 | 3.7        | 2.00            | 101.2 |
| 272      | 7/8/2011 13:01:19 | 18.20  | 50.91  | 33.48        | 7.70    | 7.92 | 4.5        | 2.05            | 99.8  |
| 273      | 7/8/2011 13:16:18 | 18.24  | 50.85  | 33.43        | 7.63    | 7.90 | 4.9        | 2.11            | 98.9  |
| 274      | 7/8/2011 13:31:19 | 18.18  | 50.97  | 33.52        | 7.48    | 7.89 | 4.2        | 2.19            | 96.9  |
| 275      | 7/8/2011 13:46:19 | 17.86  | 50.95  | 33.50        | 7.53    | 7.89 | 3.8        | 2.27            | 96.9  |
| 276      | 7/8/2011 14:01:18 | 17.58  | 50.85  | 33.43        | 7.48    | 7.88 | 4.2        | 2.33            | 95.8  |
| 277      | 7/8/2011 14:16:19 | 17.41  | 51.01  | 33.55        | 7.56    | 7.88 | 4.2        | 2.41            | 96.5  |
| 278      | 7/8/2011 14:31:19 | 17.29  | 51.05  | 33.57        | 7.64    | 7.88 | 4.6        | 2.50            | 97.3  |
| 279      | 7/8/2011 14:46:19 | 17.13  | 51.12  | 33.62        | 7.86    | 7.88 | 5.0        | 2.58            | 99.9  |
| 280      | 7/8/2011 15:01:19 | 16.86  | 51.12  | 33.61        | 7.85    | 7.88 | 5.1        | 2.66            | 99.3  |
| 281      | 7/8/2011 15:16:18 | 16.69  | 51.07  | 33.58        | 7.87    | 7.87 | 4.9        | 2.74            | 99.1  |
| 282      | 7/8/2011 15:31:19 | 16.52  | 51.07  | 33.57        | 7.88    | 7.87 | 5.6        | 2.83            | 98.9  |
| 283      | 7/8/2011 15:46:19 | 16.39  | 51.16  | 33.64        | 7.99    | 7.87 | 5.7        | 2.92            | 100.0 |
| 284      | 7/8/2011 16:01:19 | 16.11  | 51.20  | 33.66        | 8.09    | 7.87 | 7.0        | 2.99            | 100.8 |
| 285      | 7/8/2011 16:16:19 | 15.38  | 51.25  | 33.69        | 8.23    | 7.91 | 7.7        | 3.08            | 101.1 |
| 286      | 7/8/2011 16:31:19 | 15.22  | 51.28  | 33.70        | 8.29    | 7.91 | 7.5        | 3.17            | 101.6 |
| 287      | 7/8/2011 16:46:19 | 14.82  | 51.33  | 33.73        | 8.41    | 7.87 | 9.3        | 3.27            | 102.2 |
| 288      | 7/8/2011 17:01:19 | 14.02  | 51.37  | 33.74        | 8.53    | 7.87 | 10.4       | 3.36            | 102.0 |
| 289      | 7/8/2011 17:16:19 | 13.59  | 51.53  | 33.84        | 8.61    | 7.87 | 10.4       | 3.43            | 102.1 |
| 290      | 7/8/2011 17:31:19 | 13.25  | 51.57  | 33.86        | 8.88    | 7.84 | 9.2        | 3.51            | 104.6 |
| 291      | 7/8/2011 17:46:19 | 13.12  | 51.51  | 33.81        | 8.99    | 7.89 | 9.6        | 3.59            | 105.6 |
| 292      | 7/8/2011 18:01:19 | 13.02  | 51.60  | 33.87        | 9.02    | 7.89 | 7.0        | 3.63            | 105.7 |
| 293      | 7/8/2011 18:16:19 | 12.93  | 51.60  | 33.86        | 9.04    | 7.95 | 5.7        | 3.68            | 105.8 |
| 294      | 7/8/2011 18:31:19 | 12.92  | 51.62  | 33.88        | 8.90    | 7.95 | 3.4        | 3.71            | 104.2 |
| 295      | 7/8/2011 18:46:19 | 13.27  | 51.56  | 33.85        | 8.54    | 7.88 | 2.7        | 3.74            | 100.6 |
| 296      | 7/8/2011 19:01:19 | 13.16  | 51.63  | 33.90        | 8.32    | 7.91 | 2.7        | 3.70            | 97.9  |
| 297      | 7/8/2011 19:16:19 | 12.98  | 51.45  | 33.76        | 8.78    | 7.88 | 6.0        | 3.67            | 102.8 |
| 298      | 7/8/2011 19:31:19 | 13.07  | 51.46  | 33.77        | 8.71    | 7.94 | 4.6        | 3.63            | 102.2 |
| 299      | 7/8/2011 19:46:19 | 14.39  | 51.44  | 33.80        | 8.74    | 7.89 | 8.2        | 3.56            | 105.3 |
| 300      | 7/8/2011 20:01:19 | 14.41  | 51.38  | 33.76        | 8.76    | 7.86 | 11.2       | 3.47            | 105.6 |
| 301      | 7/8/2011 20:16:19 | 15.10  | 51.39  | 33.78        | 9.26    | 7.95 | 5.0        | 3.38            | 113.1 |
| 302      | 7/8/2011 20:31:19 | 15.77  | 51.32  | 33.75        | 9.32    | 7.92 | 5.2        | 3.28            | 115.4 |
| 303      | 7/8/2011 20:46:19 | 16.01  | 51.20  | 33.66        | 9.15    | 7.95 | 6.5        | 3.19            | 113.8 |
| 304      | 7/8/2011 21:01:19 | 16.00  | 51.23  | 33.69        | 8.77    | 7.92 | 6.8        | 3.08            | 109.0 |
| 305      | 7/8/2011 21:16:19 | 15.94  | 51.19  | 33.65        | 8.86    | 7.92 | 7.4        | 2.99            | 110.0 |
| 306      | 7/8/2011 21:31:19 | 16.10  | 51.25  | 33.70        | 8.69    | 7.91 | 5.6        | 2.88            | 108.2 |
| 307      | 7/8/2011 21:46:19 | 16.69  | 51.17  | 33.65        | 8.72    | 7.93 | 8.4        | 2.79            | 109.8 |
| 308      | 7/8/2011 22:01:19 | 16.91  | 51.14  | 33.64        | 8.62    | 7.93 | 5.6        | 2.69            | 109.1 |
| 309      | 7/8/2011 22:16:19 | 17.33  | 51.11  | 33.62        | 8.53    | 7.93 | 4.8        | 2.58            | 108.8 |
| 310      | 7/8/2011 22:31:19 | 17.59  | 51.09  | 33.60        | 8.61    | 7.95 | 5.9        | 2.47            | 110.4 |
| 311      | 7/8/2011 22:46:19 | 17.73  | 51.11  | 33.62        | 8.65    | 7.95 | 7.1        | 2.37            | 111.2 |
| 312      | 7/8/2011 23:01:19 | 17.65  | 51.12  | 33.62        | 8.65    | 7.95 | 6.6        | 2.25            | 111.0 |
| 313      | 7/8/2011 23:16:19 | 17.64  | 51.23  | 33.71        | 8.71    | 7.95 | 6.7        | 2.16            | 111.7 |
| 314      | 7/8/2011 23:31:19 | 18.44  | 51.11  | 33.63        | 8.72    | 7.98 | 6.5        | 2.05            | 113.6 |
| 315      | 7/8/2011 23:46:19 | 18.54  | 51.05  | 33.58        | 8.57    | 7.98 | 5.9        | 1.95            | 111.8 |
| 316      | 7/9/2011 00:01:19 | 18.66  | 51.12  | 33.63        | 8.51    | 7.98 | 5.6        | 1.86            | 111.3 |
| 317      | 7/9/2011 00:16:19 | 18.83  | 51.07  | 33.59        | 8.41    | 7.97 | 4.7        | 1.77            | 110.3 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 318      | 7/9/2011 00:31:19 | 19.05  | 51.11  | 33.63        | 8.35    | 7.98 | 4.6        | 1.68            | 110.1 |
| 319      | 7/9/2011 00:46:19 | 19.09  | 51.09  | 33.61        | 8.30    | 7.97 | 4.2        | 1.65            | 109.4 |
| 320      | 7/9/2011 01:01:19 | 19.20  | 51.11  | 33.62        | 8.32    | 7.97 | 4.0        | 1.59            | 110.0 |
| 321      | 7/9/2011 01:16:19 | 19.14  | 50.95  | 33.51        | 8.28    | 7.97 | 3.8        | 1.56            | 109.2 |
| 322      | 7/9/2011 01:31:19 | 19.10  | 51.11  | 33.63        | 8.18    | 7.97 | 4.3        | 1.57            | 107.9 |
| 323      | 7/9/2011 01:46:19 | 19.04  | 51.11  | 33.62        | 8.28    | 7.97 | 3.8        | 1.59            | 109.0 |
| 324      | 7/9/2011 02:01:19 | 18.95  | 51.10  | 33.62        | 8.26    | 7.97 | 3.6        | 1.62            | 108.7 |
| 325      | 7/9/2011 02:16:19 | 18.86  | 51.03  | 33.57        | 8.30    | 7.97 | 3.7        | 1.68            | 109.0 |
| 326      | 7/9/2011 02:31:19 | 18.77  | 51.12  | 33.63        | 8.31    | 7.97 | 4.2        | 1.73            | 109.0 |
| 327      | 7/9/2011 02:46:19 | 18.79  | 50.95  | 33.50        | 8.16    | 7.95 | 4.9        | 1.79            | 106.9 |
| 328      | 7/9/2011 03:01:19 | 18.89  | 50.84  | 33.43        | 7.99    | 7.94 | 5.6        | 1.88            | 104.9 |
| 329      | 7/9/2011 03:16:19 | 18.87  | 50.81  | 33.41        | 7.92    | 7.93 | 5.6        | 1.95            | 103.8 |
| 330      | 7/9/2011 03:31:19 | 18.79  | 50.76  | 33.36        | 7.93    | 7.93 | 5.9        | 2.02            | 103.8 |
| 331      | 7/9/2011 03:46:19 | 18.64  | 50.95  | 33.51        | 8.09    | 7.94 | 6.3        | 2.08            | 105.7 |
| 332      | 7/9/2011 04:01:19 | 18.54  | 50.95  | 33.51        | 8.11    | 7.94 | 4.6        | 2.14            | 105.8 |
| 333      | 7/9/2011 04:16:19 | 18.14  | 51.01  | 33.55        | 8.08    | 7.93 | 4.9        | 2.23            | 104.7 |
| 334      | 7/9/2011 04:31:19 | 17.78  | 51.11  | 33.62        | 8.01    | 7.91 | 4.0        | 2.28            | 103.1 |
| 335      | 7/9/2011 04:46:19 | 17.50  | 51.01  | 33.55        | 8.00    | 7.94 | 3.9        | 2.34            | 102.3 |
| 336      | 7/9/2011 05:01:19 | 17.30  | 51.11  | 33.62        | 7.98    | 7.90 | 3.7        | 2.41            | 101.7 |
| 337      | 7/9/2011 05:16:19 | 17.08  | 51.17  | 33.66        | 8.00    | 7.90 | 3.8        | 2.48            | 101.5 |
| 338      | 7/9/2011 05:31:19 | 16.97  | 51.19  | 33.67        | 8.00    | 7.89 | 3.6        | 2.54            | 101.3 |
| 339      | 7/9/2011 05:46:19 | 16.88  | 51.16  | 33.65        | 7.99    | 7.89 | 3.5        | 2.58            | 101.1 |
| 340      | 7/9/2011 06:01:18 | 16.80  | 50.98  | 33.51        | 7.99    | 7.89 | 3.7        | 2.65            | 100.8 |
| 341      | 7/9/2011 06:16:19 | 16.61  | 51.17  | 33.65        | 7.98    | 7.89 | 3.4        | 2.70            | 100.3 |
| 342      | 7/9/2011 06:31:19 | 16.42  | 51.22  | 33.68        | 7.96    | 7.88 | 3.2        | 2.75            | 99.8  |
| 343      | 7/9/2011 06:46:19 | 16.35  | 51.11  | 33.60        | 7.94    | 7.88 | 3.1        | 2.78            | 99.3  |
| 344      | 7/9/2011 07:01:19 | 16.24  | 51.18  | 33.65        | 7.87    | 7.88 | 3.2        | 2.82            | 98.4  |
| 345      | 7/9/2011 07:16:19 | 16.11  | 51.12  | 33.60        | 7.90    | 7.88 | 3.4        | 2.86            | 98.4  |
| 346      | 7/9/2011 07:31:19 | 16.02  | 51.19  | 33.65        | 7.76    | 7.87 | 2.9        | 2.86            | 96.5  |
| 347      | 7/9/2011 07:46:19 | 16.13  | 51.19  | 33.66        | 7.56    | 7.86 | 2.1        | 2.87            | 94.2  |
| 348      | 7/9/2011 08:01:19 | 16.08  | 51.19  | 33.66        | 7.28    | 7.85 | 1.3        | 2.88            | 90.7  |
| 349      | 7/9/2011 08:16:19 | 16.12  | 51.12  | 33.61        | 7.08    | 7.83 | 1.5        | 2.86            | 88.2  |
| 350      | 7/9/2011 08:31:19 | 16.18  | 51.14  | 33.62        | 7.44    | 7.85 | 2.2        | 2.82            | 92.8  |
| 351      | 7/9/2011 08:46:19 | 16.43  | 51.07  | 33.57        | 7.55    | 7.86 | 2.4        | 2.78            | 94.6  |
| 352      | 7/9/2011 09:01:19 | 16.58  | 51.13  | 33.62        | 7.54    | 7.87 | 2.7        | 2.73            | 94.8  |
| 353      | 7/9/2011 09:16:19 | 16.66  | 51.11  | 33.61        | 7.60    | 7.87 | 3.7        | 2.68            | 95.6  |
| 354      | 7/9/2011 09:31:19 | 16.74  | 51.15  | 33.64        | 7.53    | 7.87 | 3.7        | 2.60            | 94.9  |
| 355      | 7/9/2011 09:46:18 | 16.78  | 51.13  | 33.63        | 7.48    | 7.86 | 3.4        | 2.54            | 94.5  |
| 356      | 7/9/2011 10:01:19 | 16.80  | 51.18  | 33.66        | 7.54    | 7.87 | 2.7        | 2.48            | 95.3  |
| 357      | 7/9/2011 10:16:19 | 16.94  | 51.14  | 33.63        | 7.84    | 7.93 | 5.1        | 2.40            | 99.3  |
| 358      | 7/9/2011 10:31:19 | 17.20  | 51.11  | 33.61        | 7.83    | 7.90 | 3.8        | 2.35            | 99.7  |
| 359      | 7/9/2011 10:46:18 | 17.39  | 50.99  | 33.53        | 7.74    | 7.90 | 3.4        | 2.29            | 98.8  |
| 360      | 7/9/2011 11:01:19 | 17.53  | 51.14  | 33.64        | 8.03    | 7.92 | 3.3        | 2.23            | 102.8 |
| 361      | 7/9/2011 11:16:19 | 17.68  | 51.07  | 33.59        | 8.20    | 7.93 | 3.1        | 2.17            | 105.2 |
| 362      | 7/9/2011 11:31:19 | 17.87  | 51.12  | 33.63        | 8.17    | 7.93 | 2.9        | 2.14            | 105.3 |
| 363      | 7/9/2011 11:46:19 | 17.95  | 51.09  | 33.60        | 8.24    | 7.94 | 3.1        | 2.10            | 106.4 |
| 364      | 7/9/2011 12:01:19 | 18.06  | 51.11  | 33.62        | 8.08    | 7.93 | 2.0        | 2.07            | 104.5 |
| 365      | 7/9/2011 12:16:18 | 18.08  | 50.87  | 33.44        | 8.42    | 7.95 | 2.5        | 2.05            | 108.8 |
| 366      | 7/9/2011 12:31:18 | 18.17  | 50.96  | 33.52        | 8.04    | 7.94 | 3.1        | 2.04            | 104.1 |
| 367      | 7/9/2011 12:46:18 | 18.13  | 50.95  | 33.50        | 8.50    | 7.95 | 3.4        | 2.05            | 110.0 |
| 368      | 7/9/2011 13:01:18 | 18.10  | 50.91  | 33.47        | 8.42    | 7.94 | 3.4        | 2.06            | 108.9 |
| 369      | 7/9/2011 13:16:18 | 18.10  | 51.08  | 33.60        | 8.24    | 7.93 | 2.9        | 2.08            | 106.6 |
| 370      | 7/9/2011 13:31:19 | 18.04  | 51.10  | 33.61        | 8.13    | 7.93 | 3.1        | 2.12            | 105.1 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 371      | 7/9/2011 13:46:18  | 18.04  | 50.93           | 33.49        | 8.14            | 7.92 | 3.2               | 2.17            | 105.2 |
| 372      | 7/9/2011 14:01:19  | 17.83  | 51.12           | 33.62        | 8.05            | 7.92 | 3.5               | 2.22            | 103.7 |
| 373      | 7/9/2011 14:16:19  | 17.69  | 51.01           | 33.54        | 7.98            | 7.91 | 3.5               | 2.28            | 102.4 |
| 374      | 7/9/2011 14:31:19  | 17.71  | 51.07           | 33.59        | 8.05            | 7.91 | 4.0               | 2.35            | 103.4 |
| 375      | 7/9/2011 14:46:19  | 17.51  | 51.13           | 33.63        | 8.10            | 7.91 | 3.3               | 2.42            | 103.7 |
| 376      | 7/9/2011 15:01:19  | 17.36  | 51.12           | 33.63        | 8.05            | 7.90 | 2.8               | 2.49            | 102.7 |
| 377      | 7/9/2011 15:16:19  | 17.09  | 51.14           | 33.63        | 8.07            | 7.90 | 3.2               | 2.56            | 102.4 |
| 378      | 7/9/2011 15:31:19  | 17.00  | 51.14           | 33.63        | 8.12            | 7.90 | 3.4               | 2.63            | 102.9 |
| 379      | 7/9/2011 15:46:19  | 16.78  | 50.99           | 33.52        | 8.26            | 7.90 | 4.2               | 2.71            | 104.1 |
| 380      | 7/9/2011 16:01:18  | 16.48  | 51.13           | 33.62        | 8.24            | 7.82 | 4.1               | 2.78            | 103.4 |
| 381      | 7/9/2011 16:16:19  | 16.27  | 51.21           | 33.67        | 8.29            | 7.94 | 4.4               | 2.86            | 103.6 |
| 382      | 7/9/2011 16:31:19  | 16.07  | 51.23           | 33.68        | 8.31            | 7.89 | 4.6               | 2.94            | 103.5 |
| 383      | 7/9/2011 16:46:19  | 16.05  | 51.19           | 33.65        | 8.43            | 7.90 | 4.7               | 3.02            | 104.9 |
| 384      | 7/9/2011 17:01:19  | 15.85  | 51.27           | 33.71        | 8.52            | 7.90 | 5.0               | 3.11            | 105.7 |
| 385      | 7/9/2011 17:16:19  | 15.41  | 51.32           | 33.74        | 8.66            | 7.95 | 6.7               | 3.19            | 106.5 |
| 386      | 7/9/2011 17:31:19  | 15.01  | 51.31           | 33.72        | 8.75            | 7.90 | 6.0               | 3.28            | 106.7 |
| 387      | 7/9/2011 17:46:19  | 14.79  | 51.35           | 33.75        | 8.82            | 7.91 | 7.3               | 3.37            | 107.2 |
| 388      | 7/9/2011 18:01:19  | 14.27  | 51.42           | 33.78        | 8.94            | 7.91 | 8.0               | 3.44            | 107.4 |
| 389      | 7/9/2011 18:16:19  | 13.66  | 51.50           | 33.82        | 9.12            | 7.92 | 8.0               | 3.52            | 108.3 |
| 390      | 7/9/2011 18:31:19  | 13.34  | 51.52           | 33.82        | 9.12            | 7.97 | 8.8               | 3.59            | 107.6 |
| 391      | 7/9/2011 18:46:19  | 13.12  | 51.61           | 33.88        | 9.23            | 7.98 | 7.1               | 3.65            | 108.5 |
| 392      | 7/9/2011 19:01:19  | 13.00  | 51.44           | 33.75        | 9.37            | 7.94 | 4.8               | 3.69            | 109.7 |
| 393      | 7/9/2011 19:16:19  | 12.96  | 51.58           | 33.85        | 9.33            | 7.99 | 4.6               | 3.73            | 109.2 |
| 394      | 7/9/2011 19:31:19  | 12.98  | 51.62           | 33.88        | 9.20            | 7.94 | 3.1               | 3.75            | 107.8 |
| 395      | 7/9/2011 19:46:19  | 13.25  | 51.62           | 33.89        | 8.66            | 7.97 | 2.3               | 3.75            | 102.0 |
| 396      | 7/9/2011 20:01:19  | 13.04  | 51.54           | 33.82        | 8.90            | 7.92 | 2.4               | 3.73            | 104.4 |
| 397      | 7/9/2011 20:16:19  | 13.02  | 51.55           | 33.83        | 9.12            | 7.98 | 3.4               | 3.70            | 106.9 |
| 398      | 7/9/2011 20:31:19  | 13.67  | 51.40           | 33.75        | 8.90            | 7.92 | 3.2               | 3.63            | 105.7 |
| 399      | 7/9/2011 20:46:19  | 14.49  | 51.42           | 33.79        | 8.92            | 7.97 | 4.9               | 3.55            | 107.7 |
| 400      | 7/9/2011 21:01:19  | 15.15  | 51.40           | 33.79        | 9.34            | 8.01 | 4.6               | 3.47            | 114.3 |
| 401      | 7/9/2011 21:16:19  | 15.54  | 51.34           | 33.76        | 9.34            | 7.96 | 5.8               | 3.38            | 115.1 |
| 402      | 7/9/2011 21:31:19  | 15.90  | 51.27           | 33.71        | 9.35            | 7.97 | 6.1               | 3.28            | 116.0 |
| 403      | 7/9/2011 21:46:19  | 15.79  | 51.31           | 33.74        | 9.27            | 7.97 | 5.3               | 3.18            | 114.8 |
| 404      | 7/9/2011 22:01:19  | 15.82  | 51.30           | 33.73        | 9.09            | 7.95 | 5.1               | 3.07            | 112.6 |
| 405      | 7/9/2011 22:16:19  | 15.95  | 51.27           | 33.72        | 8.85            | 7.93 | 5.4               | 2.97            | 110.0 |
| 406      | 7/9/2011 22:31:19  | 16.17  | 51.26           | 33.71        | 8.80            | 7.93 | 4.5               | 2.88            | 109.8 |
| 407      | 7/9/2011 22:46:19  | 16.27  | 51.30           | 33.74        | 8.80            | 7.94 | 4.7               | 2.74            | 110.1 |
| 408      | 7/9/2011 23:01:18  | 16.98  | 51.06           | 33.58        | 8.63            | 7.93 | 5.4               | 2.65            | 109.3 |
| 409      | 7/9/2011 23:16:19  | 17.36  | 51.18           | 33.67        | 8.70            | 7.95 | 6.5               | 2.54            | 111.1 |
| 410      | 7/9/2011 23:31:19  | 17.37  | 51.19           | 33.68        | 8.71            | 7.95 | 7.2               | 2.42            | 111.2 |
| 411      | 7/9/2011 23:46:19  | 17.42  | 51.19           | 33.68        | 8.63            | 7.95 | 6.2               | 2.29            | 110.3 |
| 412      | 7/10/2011 00:01:19 | 17.44  | 51.18           | 33.67        | 8.62            | 7.95 | 7.3               | 2.17            | 110.2 |
| 413      | 7/10/2011 00:16:19 | 17.41  | 51.20           | 33.68        | 8.59            | 7.95 | 7.0               | 2.06            | 109.8 |
| 414      | 7/10/2011 00:31:19 | 17.76  | 51.18           | 33.67        | 8.56            | 7.96 | 6.1               | 1.94            | 110.1 |
| 415      | 7/10/2011 00:46:19 | 17.94  | 51.23           | 33.71        | 8.42            | 7.95 | 6.3               | 1.82            | 108.7 |
| 416      | 7/10/2011 01:01:19 | 17.98  | 51.15           | 33.65        | 8.33            | 7.95 | 5.4               | 1.71            | 107.6 |
| 417      | 7/10/2011 01:16:19 | 18.25  | 51.18           | 33.67        | 8.35            | 7.96 | 4.9               | 1.61            | 108.4 |
| 418      | 7/10/2011 01:31:19 | 18.50  | 51.14           | 33.65        | 8.34            | 7.96 | 5.0               | 1.53            | 108.8 |
| 419      | 7/10/2011 01:46:19 | 18.68  | 51.19           | 33.69        | 8.32            | 7.97 | 4.5               | 1.47            | 108.9 |
| 420      | 7/10/2011 02:01:19 | 18.68  | 51.20           | 33.69        | 8.23            | 7.96 | 4.0               | 1.41            | 107.7 |
| 421      | 7/10/2011 02:16:19 | 19.00  | 51.08           | 33.60        | 8.15            | 7.98 | 4.2               | 1.40            | 107.3 |
| 422      | 7/10/2011 02:31:19 | 18.75  | 51.21           | 33.69        | 8.12            | 7.97 | 4.0               | 1.39            | 106.5 |
| 423      | 7/10/2011 02:46:19 | 18.81  | 51.19           | 33.68        | 8.30            | 7.97 | 3.5               | 1.42            | 108.9 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 424      | 7/10/2011 03:01:19 | 18.73  | 51.14  | 33.65        | 8.33    | 7.97 | 3.5               | 1.45            | 109.1 |
| 425      | 7/10/2011 03:16:19 | 18.69  | 51.12  | 33.63        | 8.30    | 7.97 | 3.7               | 1.50            | 108.6 |
| 426      | 7/10/2011 03:31:19 | 18.74  | 51.19  | 33.68        | 8.34    | 7.97 | 4.0               | 1.57            | 109.4 |
| 427      | 7/10/2011 03:46:19 | 18.78  | 51.00  | 33.54        | 8.15    | 7.95 | 5.6               | 1.64            | 106.7 |
| 428      | 7/10/2011 04:01:19 | 18.81  | 50.87  | 33.45        | 8.06    | 7.94 | 6.0               | 1.71            | 105.6 |
| 429      | 7/10/2011 04:16:19 | 18.74  | 50.93  | 33.49        | 8.03    | 7.94 | 5.2               | 1.77            | 105.1 |
| 430      | 7/10/2011 04:31:19 | 18.74  | 50.84  | 33.43        | 7.95    | 7.93 | 6.2               | 1.84            | 104.0 |
| 431      | 7/10/2011 04:46:19 | 18.63  | 50.75  | 33.36        | 8.02    | 7.94 | 5.7               | 1.91            | 104.7 |
| 432      | 7/10/2011 05:01:19 | 18.48  | 51.04  | 33.57        | 8.11    | 7.94 | 5.2               | 1.99            | 105.7 |
| 433      | 7/10/2011 05:16:19 | 18.37  | 51.08  | 33.60        | 8.15    | 7.94 | 4.3               | 2.06            | 106.0 |
| 434      | 7/10/2011 05:31:19 | 18.12  | 51.10  | 33.61        | 8.16    | 7.94 | 4.6               | 2.13            | 105.6 |
| 435      | 7/10/2011 05:46:19 | 17.83  | 51.12  | 33.62        | 8.11    | 7.93 | 4.6               | 2.21            | 104.5 |
| 436      | 7/10/2011 06:01:18 | 17.44  | 51.02  | 33.55        | 8.13    | 7.91 | 4.3               | 2.28            | 103.8 |
| 437      | 7/10/2011 06:16:19 | 17.38  | 51.20  | 33.68        | 8.07    | 7.91 | 4.2               | 2.35            | 103.1 |
| 438      | 7/10/2011 06:31:19 | 17.25  | 51.21  | 33.69        | 8.09    | 7.91 | 3.8               | 2.42            | 103.0 |
| 439      | 7/10/2011 06:46:19 | 17.08  | 51.19  | 33.67        | 8.12    | 7.91 | 4.2               | 2.49            | 103.1 |
| 440      | 7/10/2011 07:01:19 | 17.01  | 51.17  | 33.66        | 8.11    | 7.91 | 3.9               | 2.56            | 102.8 |
| 441      | 7/10/2011 07:16:19 | 16.88  | 51.25  | 33.72        | 8.11    | 7.91 | 3.2               | 2.60            | 102.6 |
| 442      | 7/10/2011 07:31:19 | 16.71  | 51.00  | 33.53        | 8.12    | 7.90 | 3.2               | 2.67            | 102.3 |
| 443      | 7/10/2011 07:46:18 | 16.53  | 51.08  | 33.58        | 8.12    | 7.83 | 3.4               | 2.73            | 102.0 |
| 444      | 7/10/2011 08:01:19 | 16.40  | 51.08  | 33.59        | 8.10    | 7.90 | 3.0               | 2.77            | 101.5 |
| 445      | 7/10/2011 08:16:19 | 16.22  | 51.18  | 33.65        | 8.11    | 7.94 | 2.9               | 2.81            | 101.3 |
| 446      | 7/10/2011 08:31:19 | 16.08  | 51.18  | 33.65        | 8.13    | 7.90 | 2.8               | 2.86            | 101.3 |
| 447      | 7/10/2011 08:46:19 | 15.95  | 51.13  | 33.61        | 8.11    | 7.89 | 2.6               | 2.89            | 100.7 |
| 448      | 7/10/2011 09:01:19 | 15.94  | 51.20  | 33.66        | 7.99    | 7.89 | 2.7               | 2.90            | 99.2  |
| 449      | 7/10/2011 09:16:19 | 16.24  | 51.19  | 33.66        | 7.95    | 7.90 | 2.6               | 2.91            | 99.3  |
| 450      | 7/10/2011 09:31:19 | 15.96  | 51.16  | 33.63        | 7.59    | 7.87 | 1.8               | 2.92            | 94.2  |
| 451      | 7/10/2011 09:46:19 | 15.89  | 51.22  | 33.68        | 7.53    | 7.87 | 1.3               | 2.89            | 93.4  |
| 452      | 7/10/2011 10:01:19 | 15.98  | 51.19  | 33.66        | 7.64    | 7.87 | 2.6               | 2.86            | 95.0  |
| 453      | 7/10/2011 10:16:19 | 16.24  | 51.20  | 33.67        | 7.88    | 7.89 | 2.3               | 2.82            | 98.4  |
| 454      | 7/10/2011 10:31:19 | 16.60  | 51.16  | 33.65        | 7.91    | 7.90 | 2.6               | 2.77            | 99.5  |
| 455      | 7/10/2011 10:46:19 | 16.80  | 51.18  | 33.66        | 8.02    | 7.87 | 2.7               | 2.71            | 101.3 |
| 456      | 7/10/2011 11:01:19 | 17.07  | 51.18  | 33.66        | 8.43    | 7.97 | 3.3               | 2.64            | 107.0 |
| 457      | 7/10/2011 11:16:19 | 17.15  | 51.10  | 33.60        | 8.42    | 7.93 | 3.6               | 2.59            | 107.0 |
| 458      | 7/10/2011 11:31:18 | 17.24  | 51.16  | 33.65        | 8.25    | 7.91 | 3.1               | 2.54            | 105.0 |
| 459      | 7/10/2011 11:46:19 | 17.47  | 51.15  | 33.64        | 8.40    | 7.92 | 3.6               | 2.47            | 107.4 |
| 460      | 7/10/2011 12:01:19 | 17.71  | 51.19  | 33.68        | 8.47    | 7.94 | 2.7               | 2.41            | 108.8 |
| 461      | 7/10/2011 12:16:19 | 17.85  | 51.14  | 33.64        | 8.42    | 7.93 | 2.2               | 2.37            | 108.5 |
| 462      | 7/10/2011 12:31:19 | 18.01  | 51.17  | 33.67        | 8.31    | 7.90 | 2.6               | 2.32            | 107.4 |
| 463      | 7/10/2011 12:46:19 | 18.12  | 51.22  | 33.71        | 8.31    | 7.91 | 1.8               | 2.27            | 107.6 |
| 464      | 7/10/2011 13:01:19 | 18.37  | 51.14  | 33.64        | 8.31    | 7.98 | 2.1               | 2.24            | 108.1 |
| 465      | 7/10/2011 13:16:19 | 18.51  | 51.12  | 33.63        | 8.68    | 7.97 | 3.1               | 2.23            | 113.2 |
| 466      | 7/10/2011 13:31:19 | 18.62  | 51.28  | 33.75        | 8.98    | 7.98 | 4.7               | 2.21            | 117.4 |
| 467      | 7/10/2011 13:46:19 | 18.51  | 51.17  | 33.67        | 9.66    | 8.00 | 3.6               | 2.20            | 126.0 |
| 468      | 7/10/2011 14:01:18 | 18.32  | 51.03  | 33.56        | 9.25    | 7.97 | 3.3               | 2.21            | 120.1 |
| 469      | 7/10/2011 14:16:19 | 18.30  | 51.17  | 33.67        | 8.91    | 7.97 | 2.7               | 2.24            | 115.7 |
| 470      | 7/10/2011 14:31:19 | 18.26  | 51.17  | 33.67        | 8.99    | 7.97 | 3.1               | 2.26            | 116.7 |
| 471      | 7/10/2011 14:46:19 | 18.36  | 51.15  | 33.65        | 8.92    | 7.97 | 3.1               | 2.29            | 116.1 |
| 472      | 7/10/2011 15:01:18 | 18.17  | 51.09  | 33.61        | 9.03    | 7.96 | 3.4               | 2.36            | 117.1 |
| 473      | 7/10/2011 15:16:18 | 18.06  | 51.09  | 33.61        | 8.95    | 7.96 | 3.2               | 2.41            | 115.8 |
| 474      | 7/10/2011 15:31:19 | 18.10  | 51.13  | 33.63        | 9.00    | 7.96 | 3.2               | 2.46            | 116.5 |
| 475      | 7/10/2011 15:46:19 | 17.83  | 51.19  | 33.68        | 8.99    | 7.92 | 3.2               | 2.53            | 115.8 |
| 476      | 7/10/2011 16:01:19 | 17.67  | 51.16  | 33.66        | 8.98    | 7.95 | 3.3               | 2.59            | 115.3 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 477      | 7/10/2011 16:16:19 | 17.41  | 51.12           | 33.62        | 8.77            | 7.94 | 3.1               | 2.66            | 112.0 |
| 478      | 7/10/2011 16:31:19 | 16.91  | 51.08           | 33.59        | 8.70            | 7.93 | 3.2               | 2.73            | 110.0 |
| 479      | 7/10/2011 16:46:19 | 16.45  | 51.25           | 33.71        | 8.66            | 7.92 | 3.5               | 2.80            | 108.6 |
| 480      | 7/10/2011 17:01:19 | 15.95  | 51.18           | 33.65        | 8.65            | 7.92 | 3.5               | 2.86            | 107.4 |
| 481      | 7/10/2011 17:16:18 | 15.77  | 51.13           | 33.61        | 8.67            | 7.84 | 3.7               | 2.94            | 107.2 |
| 482      | 7/10/2011 17:31:19 | 15.77  | 51.25           | 33.69        | 8.80            | 7.93 | 4.5               | 3.02            | 108.9 |
| 483      | 7/10/2011 17:46:19 | 15.42  | 51.35           | 33.76        | 8.74            | 7.92 | 4.2               | 3.10            | 107.5 |
| 484      | 7/10/2011 18:01:19 | 14.95  | 51.38           | 33.77        | 8.66            | 7.91 | 5.4               | 3.19            | 105.5 |
| 485      | 7/10/2011 18:16:19 | 14.34  | 51.39           | 33.76        | 8.44            | 7.95 | 5.5               | 3.27            | 101.6 |
| 486      | 7/10/2011 18:31:19 | 14.02  | 51.18           | 33.60        | 8.35            | 7.89 | 5.8               | 3.36            | 99.8  |
| 487      | 7/10/2011 18:46:19 | 13.72  | 51.38           | 33.74        | 8.28            | 7.93 | 5.9               | 3.44            | 98.4  |
| 488      | 7/10/2011 19:01:19 | 13.39  | 51.51           | 33.82        | 8.26            | 7.84 | 5.8               | 3.52            | 97.5  |
| 489      | 7/10/2011 19:16:19 | 13.04  | 51.53           | 33.82        | 8.25            | 7.84 | 6.7               | 3.60            | 96.7  |
| 490      | 7/10/2011 19:31:19 | 12.72  | 51.50           | 33.78        | 8.22            | 7.91 | 5.0               | 3.65            | 95.7  |
| 491      | 7/10/2011 19:46:19 | 12.62  | 51.60           | 33.85        | 8.21            | 7.87 | 5.3               | 3.72            | 95.4  |
| 492      | 7/10/2011 20:01:19 | 12.51  | 51.59           | 33.84        | 8.28            | 7.92 | 4.3               | 3.76            | 96.1  |
| 493      | 7/10/2011 20:16:19 | 12.50  | 51.60           | 33.84        | 8.24            | 7.87 | 4.2               | 3.79            | 95.6  |
| 494      | 7/10/2011 20:31:19 | 12.96  | 51.46           | 33.77        | 8.22            | 7.92 | 3.2               | 3.81            | 96.2  |
| 495      | 7/10/2011 20:46:19 | 12.67  | 51.56           | 33.83        | 7.85            | 7.89 | 2.0               | 3.80            | 91.3  |
| 496      | 7/10/2011 21:01:19 | 12.59  | 51.57           | 33.83        | 7.95            | 7.90 | 1.9               | 3.78            | 92.4  |
| 497      | 7/10/2011 21:16:19 | 12.66  | 51.39           | 33.70        | 7.99            | 7.86 | 3.3               | 3.72            | 92.8  |
| 498      | 7/10/2011 21:31:19 | 13.80  | 51.41           | 33.76        | 8.07            | 7.87 | 4.0               | 3.66            | 96.1  |
| 499      | 7/10/2011 21:46:19 | 13.62  | 51.49           | 33.81        | 8.17            | 7.93 | 5.2               | 3.59            | 97.0  |
| 500      | 7/10/2011 22:01:19 | 14.98  | 51.20           | 33.64        | 8.90            | 7.95 | 4.3               | 3.49            | 108.4 |
| 501      | 7/10/2011 22:16:19 | 15.62  | 51.34           | 33.76        | 9.04            | 7.96 | 6.8               | 3.39            | 111.6 |
| 502      | 7/10/2011 22:31:19 | 15.60  | 51.33           | 33.75        | 8.89            | 8.01 | 5.7               | 3.28            | 109.8 |
| 503      | 7/10/2011 22:46:19 | 15.77  | 51.31           | 33.74        | 8.80            | 8.00 | 5.3               | 3.19            | 109.0 |
| 504      | 7/10/2011 23:01:19 | 15.53  | 51.27           | 33.70        | 8.62            | 7.93 | 4.6               | 3.08            | 106.2 |
| 505      | 7/10/2011 23:16:19 | 15.67  | 51.14           | 33.61        | 8.56            | 7.92 | 4.5               | 2.96            | 105.7 |
| 506      | 7/10/2011 23:31:19 | 16.36  | 51.32           | 33.76        | 8.56            | 7.94 | 5.7               | 2.84            | 107.3 |
| 507      | 7/10/2011 23:46:19 | 16.66  | 51.33           | 33.77        | 8.69            | 7.94 | 5.2               | 2.73            | 109.5 |
| 508      | 7/11/2011 00:01:19 | 16.95  | 51.25           | 33.71        | 8.67            | 7.95 | 5.2               | 2.61            | 109.8 |
| 509      | 7/11/2011 00:16:19 | 16.50  | 51.28           | 33.73        | 8.56            | 7.94 | 5.7               | 2.48            | 107.5 |
| 510      | 7/11/2011 00:31:19 | 17.12  | 51.21           | 33.69        | 8.56            | 7.96 | 9.6               | 2.35            | 108.8 |
| 511      | 7/11/2011 00:46:19 | 17.64  | 51.09           | 33.61        | 8.51            | 7.97 | 8.5               | 2.23            | 109.2 |
| 512      | 7/11/2011 01:01:19 | 17.53  | 51.29           | 33.75        | 8.58            | 7.96 | 7.9               | 2.10            | 110.0 |
| 513      | 7/11/2011 01:16:19 | 17.68  | 51.29           | 33.75        | 8.55            | 7.96 | 8.0               | 1.96            | 109.9 |
| 514      | 7/11/2011 01:31:19 | 17.84  | 51.28           | 33.74        | 8.45            | 8.00 | 6.9               | 1.83            | 108.9 |
| 515      | 7/11/2011 01:46:19 | 18.10  | 51.31           | 33.77        | 8.47            | 7.93 | 6.4               | 1.72            | 109.8 |
| 516      | 7/11/2011 02:01:19 | 18.21  | 51.26           | 33.74        | 8.40            | 7.93 | 5.5               | 1.59            | 109.1 |
| 517      | 7/11/2011 02:16:19 | 18.49  | 51.28           | 33.75        | 8.48            | 7.97 | 5.3               | 1.48            | 110.7 |
| 518      | 7/11/2011 02:31:19 | 18.62  | 51.29           | 33.76        | 8.40            | 7.97 | 5.6               | 1.38            | 109.9 |
| 519      | 7/11/2011 02:46:19 | 18.86  | 51.20           | 33.69        | 8.34            | 7.97 | 4.5               | 1.32            | 109.5 |
| 520      | 7/11/2011 03:01:18 | 19.10  | 51.13           | 33.64        | 8.27            | 7.96 | 4.5               | 1.27            | 109.1 |
| 521      | 7/11/2011 03:16:19 | 19.26  | 51.26           | 33.74        | 8.29            | 7.97 | 4.5               | 1.23            | 109.7 |
| 522      | 7/11/2011 03:31:19 | 19.56  | 51.24           | 33.72        | 8.21            | 7.98 | 4.2               | 1.25            | 109.3 |
| 523      | 7/11/2011 03:46:19 | 19.37  | 51.22           | 33.71        | 8.28            | 7.98 | 4.2               | 1.27            | 109.8 |
| 524      | 7/11/2011 04:01:19 | 19.27  | 51.19           | 33.68        | 8.42            | 7.98 | 3.8               | 1.31            | 111.4 |
| 525      | 7/11/2011 04:16:18 | 19.21  | 51.02           | 33.56        | 8.51            | 7.98 | 3.8               | 1.36            | 112.4 |
| 526      | 7/11/2011 04:31:19 | 19.20  | 51.22           | 33.70        | 8.51            | 7.98 | 4.3               | 1.43            | 112.5 |
| 527      | 7/11/2011 04:46:19 | 19.16  | 51.17           | 33.67        | 8.48            | 7.98 | 4.3               | 1.50            | 112.0 |
| 528      | 7/11/2011 05:01:18 | 19.26  | 50.98           | 33.53        | 8.26            | 7.96 | 5.6               | 1.58            | 109.2 |
| 529      | 7/11/2011 05:16:19 | 19.16  | 50.97           | 33.52        | 8.26            | 7.96 | 4.6               | 1.63            | 109.0 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 530      | 7/11/2011 05:31:19 | 19.11  | 51.09           | 33.61        | 8.21            | 7.96 | 4.8               | 1.72            | 108.3 |
| 531      | 7/11/2011 05:46:19 | 19.10  | 51.01           | 33.55        | 8.14            | 7.99 | 5.2               | 1.80            | 107.3 |
| 532      | 7/11/2011 06:01:18 | 19.01  | 50.98           | 33.53        | 8.17            | 7.95 | 4.8               | 1.86            | 107.5 |
| 533      | 7/11/2011 06:16:19 | 18.87  | 51.05           | 33.58        | 8.23            | 7.96 | 4.7               | 1.93            | 108.0 |
| 534      | 7/11/2011 06:31:19 | 18.64  | 51.10           | 33.62        | 8.31            | 7.96 | 4.6               | 2.03            | 108.7 |
| 535      | 7/11/2011 06:46:19 | 18.38  | 51.11           | 33.63        | 8.25            | 7.95 | 4.6               | 2.10            | 107.4 |
| 536      | 7/11/2011 07:01:19 | 17.98  | 51.17           | 33.67        | 8.24            | 7.94 | 4.5               | 2.18            | 106.5 |
| 537      | 7/11/2011 07:16:19 | 17.66  | 51.16           | 33.66        | 8.24            | 7.94 | 4.8               | 2.27            | 105.8 |
| 538      | 7/11/2011 07:31:19 | 17.44  | 51.10           | 33.61        | 8.26            | 7.93 | 4.3               | 2.34            | 105.5 |
| 539      | 7/11/2011 07:46:19 | 17.34  | 51.24           | 33.71        | 8.26            | 7.93 | 4.3               | 2.43            | 105.5 |
| 540      | 7/11/2011 08:01:19 | 17.26  | 51.24           | 33.71        | 8.27            | 7.93 | 4.2               | 2.51            | 105.4 |
| 541      | 7/11/2011 08:16:19 | 17.12  | 51.09           | 33.60        | 8.27            | 7.93 | 4.0               | 2.57            | 105.1 |
| 542      | 7/11/2011 08:31:19 | 16.79  | 51.24           | 33.71        | 8.25            | 7.93 | 3.7               | 2.65            | 104.2 |
| 543      | 7/11/2011 08:46:18 | 16.63  | 51.19           | 33.66        | 8.20            | 7.91 | 3.5               | 2.71            | 103.2 |
| 544      | 7/11/2011 09:01:19 | 16.37  | 51.16           | 33.64        | 8.18            | 7.91 | 3.2               | 2.77            | 102.4 |
| 545      | 7/11/2011 09:16:19 | 16.14  | 51.20           | 33.66        | 8.17            | 7.91 | 3.1               | 2.82            | 101.9 |
| 546      | 7/11/2011 09:31:19 | 15.95  | 51.15           | 33.62        | 8.17            | 7.91 | 2.9               | 2.87            | 101.4 |
| 547      | 7/11/2011 09:46:19 | 15.85  | 51.27           | 33.71        | 8.12            | 7.91 | 3.0               | 2.92            | 100.7 |
| 548      | 7/11/2011 10:01:19 | 15.57  | 51.25           | 33.69        | 8.05            | 7.90 | 2.6               | 2.95            | 99.2  |
| 549      | 7/11/2011 10:16:19 | 15.19  | 51.36           | 33.76        | 8.07            | 7.90 | 2.3               | 2.97            | 98.8  |
| 550      | 7/11/2011 10:31:19 | 15.15  | 51.36           | 33.76        | 7.61            | 7.88 | 2.7               | 3.00            | 93.1  |
| 551      | 7/11/2011 10:46:19 | 15.44  | 51.27           | 33.70        | 7.69            | 7.88 | 1.9               | 3.00            | 94.6  |
| 552      | 7/11/2011 11:01:19 | 15.15  | 51.38           | 33.78        | 7.64            | 7.88 | 1.6               | 2.97            | 93.4  |
| 553      | 7/11/2011 11:16:19 | 15.41  | 51.29           | 33.72        | 7.76            | 7.89 | 2.3               | 2.94            | 95.4  |
| 554      | 7/11/2011 11:31:19 | 15.75  | 51.30           | 33.73        | 7.76            | 7.93 | 2.0               | 2.90            | 96.0  |
| 555      | 7/11/2011 11:46:19 | 16.05  | 51.29           | 33.73        | 8.01            | 7.95 | 2.5               | 2.85            | 99.7  |
| 556      | 7/11/2011 12:01:19 | 16.64  | 51.11           | 33.61        | 8.31            | 7.94 | 3.2               | 2.78            | 104.5 |
| 557      | 7/11/2011 12:16:19 | 17.20  | 51.22           | 33.69        | 8.79            | 7.97 | 3.2               | 2.71            | 111.8 |
| 558      | 7/11/2011 12:31:19 | 17.27  | 51.19           | 33.67        | 8.57            | 7.95 | 2.6               | 2.67            | 109.2 |
| 559      | 7/11/2011 12:46:19 | 17.43  | 51.25           | 33.72        | 8.64            | 7.95 | 2.9               | 2.61            | 110.5 |
| 560      | 7/11/2011 13:01:19 | 17.68  | 51.26           | 33.73        | 8.79            | 7.97 | 2.8               | 2.53            | 113.0 |
| 561      | 7/11/2011 13:16:19 | 17.78  | 51.23           | 33.71        | 8.66            | 7.97 | 2.9               | 2.48            | 111.5 |
| 562      | 7/11/2011 13:31:19 | 18.07  | 51.26           | 33.73        | 8.53            | 7.94 | 2.6               | 2.43            | 110.4 |
| 563      | 7/11/2011 13:46:19 | 18.26  | 51.19           | 33.68        | 8.74            | 8.02 | 3.0               | 2.40            | 113.5 |
| 564      | 7/11/2011 14:01:19 | 18.40  | 51.28           | 33.75        | 8.34            | 7.98 | 2.6               | 2.35            | 108.7 |
| 565      | 7/11/2011 14:16:19 | 18.50  | 51.19           | 33.68        | 8.98            | 8.01 | 2.8               | 2.32            | 117.1 |
| 566      | 7/11/2011 14:31:19 | 18.69  | 51.21           | 33.70        | 9.68            | 8.04 | 2.8               | 2.30            | 126.7 |
| 567      | 7/11/2011 14:46:19 | 18.79  | 51.23           | 33.71        | 9.69            | 8.03 | 3.7               | 2.28            | 127.1 |
| 568      | 7/11/2011 15:01:19 | 18.85  | 51.22           | 33.70        | 10.20           | 8.06 | 3.5               | 2.30            | 133.9 |
| 569      | 7/11/2011 15:16:19 | 18.70  | 51.21           | 33.70        | 10.01           | 8.04 | 3.4               | 2.30            | 131.1 |
| 570      | 7/11/2011 15:31:19 | 18.61  | 51.24           | 33.72        | 9.71            | 8.03 | 3.8               | 2.32            | 126.9 |
| 571      | 7/11/2011 15:46:19 | 18.66  | 51.20           | 33.69        | 9.63            | 8.02 | 3.3               | 2.36            | 126.0 |
| 572      | 7/11/2011 16:01:19 | 18.68  | 51.21           | 33.70        | 9.52            | 8.02 | 3.1               | 2.41            | 124.6 |
| 573      | 7/11/2011 16:16:19 | 18.46  | 51.17           | 33.67        | 9.55            | 8.01 | 3.3               | 2.45            | 124.5 |
| 574      | 7/11/2011 16:31:19 | 18.31  | 51.26           | 33.74        | 9.53            | 8.01 | 3.4               | 2.51            | 123.9 |
| 575      | 7/11/2011 16:46:19 | 18.26  | 51.16           | 33.66        | 9.44            | 8.04 | 3.7               | 2.58            | 122.6 |
| 576      | 7/11/2011 17:01:19 | 17.83  | 51.29           | 33.75        | 9.36            | 7.99 | 3.6               | 2.64            | 120.6 |
| 577      | 7/11/2011 17:16:19 | 17.46  | 51.26           | 33.73        | 9.04            | 8.01 | 3.4               | 2.71            | 115.7 |
| 578      | 7/11/2011 17:31:19 | 16.97  | 51.22           | 33.69        | 8.84            | 8.00 | 3.7               | 2.78            | 112.0 |
| 579      | 7/11/2011 17:46:19 | 16.42  | 51.09           | 33.59        | 8.74            | 7.94 | 4.0               | 2.86            | 109.5 |
| 580      | 7/11/2011 18:01:18 | 15.65  | 51.25           | 33.69        | 8.56            | 7.85 | 4.4               | 2.93            | 105.7 |
| 581      | 7/11/2011 18:16:19 | 15.48  | 51.29           | 33.72        | 8.54            | 7.97 | 4.2               | 3.01            | 105.1 |
| 582      | 7/11/2011 18:31:19 | 15.07  | 51.39           | 33.78        | 8.44            | 7.92 | 4.2               | 3.09            | 103.1 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 583      | 7/11/2011 18:46:19 | 14.68  | 51.34           | 33.74        | 8.30            | 7.91 | 4.5               | 3.18            | 100.5 |
| 584      | 7/11/2011 19:01:19 | 14.40  | 51.45           | 33.81        | 8.25            | 7.90 | 5.4               | 3.27            | 99.4  |
| 585      | 7/11/2011 19:16:19 | 13.94  | 51.50           | 33.83        | 8.19            | 7.94 | 6.3               | 3.35            | 97.8  |
| 586      | 7/11/2011 19:31:19 | 13.53  | 51.54           | 33.85        | 8.11            | 7.88 | 6.0               | 3.44            | 96.1  |
| 587      | 7/11/2011 19:46:19 | 13.23  | 51.61           | 33.89        | 8.09            | 7.92 | 6.0               | 3.52            | 95.3  |
| 588      | 7/11/2011 20:01:19 | 12.84  | 51.62           | 33.87        | 8.03            | 7.85 | 6.6               | 3.60            | 93.8  |
| 589      | 7/11/2011 20:16:19 | 12.56  | 51.65           | 33.88        | 7.98            | 7.85 | 5.5               | 3.66            | 92.7  |
| 590      | 7/11/2011 20:31:19 | 12.28  | 51.61           | 33.84        | 8.08            | 7.88 | 5.7               | 3.72            | 93.3  |
| 591      | 7/11/2011 20:46:19 | 12.17  | 51.69           | 33.90        | 8.23            | 7.92 | 5.0               | 3.79            | 94.8  |
| 592      | 7/11/2011 21:01:19 | 12.10  | 51.56           | 33.80        | 8.27            | 7.93 | 3.5               | 3.82            | 95.2  |
| 593      | 7/11/2011 21:16:19 | 12.12  | 51.69           | 33.89        | 8.22            | 7.89 | 3.1               | 3.84            | 94.6  |
| 594      | 7/11/2011 21:31:19 | 12.43  | 51.62           | 33.86        | 8.02            | 7.92 | 3.0               | 3.86            | 92.9  |
| 595      | 7/11/2011 21:46:19 | 12.21  | 51.61           | 33.84        | 7.79            | 7.91 | 2.3               | 3.86            | 89.8  |
| 596      | 7/11/2011 22:01:19 | 12.15  | 51.64           | 33.86        | 7.87            | 7.88 | 2.5               | 3.82            | 90.6  |
| 597      | 7/11/2011 22:16:19 | 12.77  | 51.50           | 33.78        | 7.83            | 7.91 | 3.3               | 3.75            | 91.3  |
| 598      | 7/11/2011 22:31:19 | 13.20  | 51.47           | 33.78        | 7.60            | 7.85 | 4.0               | 3.70            | 89.4  |
| 599      | 7/11/2011 22:46:19 | 14.25  | 51.41           | 33.78        | 8.00            | 7.92 | 4.5               | 3.62            | 96.1  |
| 600      | 7/11/2011 23:01:19 | 14.69  | 51.43           | 33.80        | 8.31            | 7.94 | 4.6               | 3.51            | 100.8 |
| 601      | 7/11/2011 23:16:19 | 15.21  | 51.46           | 33.84        | 8.52            | 7.95 | 4.9               | 3.40            | 104.3 |
| 602      | 7/11/2011 23:31:19 | 15.11  | 51.40           | 33.79        | 8.46            | 7.95 | 6.5               | 3.29            | 103.4 |
| 603      | 7/11/2011 23:46:18 | 15.28  | 51.29           | 33.71        | 8.38            | 7.86 | 5.8               | 3.19            | 102.8 |
| 604      | 7/12/2011 00:01:19 | 15.25  | 51.53           | 33.89        | 8.42            | 7.93 | 5.7               | 3.06            | 103.3 |
| 605      | 7/12/2011 00:16:19 | 15.61  | 51.25           | 33.69        | 8.42            | 7.94 | 8.9               | 2.94            | 103.9 |
| 606      | 7/12/2011 00:31:19 | 16.52  | 51.31           | 33.76        | 8.47            | 7.95 | 7.0               | 2.81            | 106.4 |
| 607      | 7/12/2011 00:46:19 | 17.05  | 51.34           | 33.78        | 8.52            | 7.97 | 7.1               | 2.69            | 108.2 |
| 608      | 7/12/2011 01:01:19 | 17.26  | 51.31           | 33.76        | 8.53            | 7.98 | 7.1               | 2.56            | 108.8 |
| 609      | 7/12/2011 01:16:19 | 17.02  | 51.31           | 33.76        | 8.46            | 7.97 | 7.8               | 2.42            | 107.4 |
| 610      | 7/12/2011 01:31:19 | 17.33  | 51.38           | 33.81        | 8.49            | 7.98 | 8.9               | 2.28            | 108.4 |
| 611      | 7/12/2011 01:46:19 | 17.29  | 51.35           | 33.79        | 8.29            | 7.97 | 8.2               | 2.15            | 105.7 |
| 612      | 7/12/2011 02:01:19 | 17.15  | 51.38           | 33.81        | 8.24            | 7.96 | 8.4               | 2.00            | 104.8 |
| 613      | 7/12/2011 02:16:19 | 17.43  | 51.28           | 33.74        | 8.13            | 7.96 | 8.2               | 1.85            | 104.0 |
| 614      | 7/12/2011 02:31:19 | 17.77  | 51.34           | 33.79        | 8.13            | 7.96 | 8.5               | 1.72            | 104.6 |
| 615      | 7/12/2011 02:46:19 | 17.97  | 51.28           | 33.74        | 8.14            | 7.96 | 7.1               | 1.58            | 105.2 |
| 616      | 7/12/2011 03:01:19 | 18.19  | 51.29           | 33.76        | 8.13            | 7.96 | 7.2               | 1.44            | 105.5 |
| 617      | 7/12/2011 03:16:19 | 18.45  | 51.20           | 33.69        | 8.15            | 7.97 | 5.8               | 1.32            | 106.3 |
| 618      | 7/12/2011 03:31:19 | 18.70  | 51.31           | 33.77        | 7.97            | 7.97 | 5.1               | 1.24            | 104.4 |
| 619      | 7/12/2011 03:46:19 | 18.88  | 51.30           | 33.76        | 7.96            | 7.97 | 6.2               | 1.15            | 104.6 |
| 620      | 7/12/2011 04:01:19 | 19.08  | 51.30           | 33.76        | 7.82            | 7.96 | 5.6               | 1.08            | 103.2 |
| 621      | 7/12/2011 04:16:19 | 19.53  | 51.22           | 33.71        | 7.72            | 7.97 | 5.0               | 1.08            | 102.7 |
| 622      | 7/12/2011 04:31:19 | 19.16  | 51.38           | 33.83        | 7.82            | 7.97 | 4.7               | 1.11            | 103.4 |
| 623      | 7/12/2011 04:46:19 | 19.61  | 51.35           | 33.80        | 7.90            | 7.98 | 4.8               | 1.14            | 105.3 |
| 624      | 7/12/2011 05:01:19 | 19.42  | 51.31           | 33.77        | 7.92            | 7.98 | 5.4               | 1.21            | 105.1 |
| 625      | 7/12/2011 05:16:19 | 19.56  | 51.33           | 33.79        | 7.84            | 7.98 | 5.4               | 1.27            | 104.4 |
| 626      | 7/12/2011 05:31:19 | 19.49  | 51.30           | 33.76        | 7.88            | 7.98 | 9.0               | 1.36            | 104.8 |
| 627      | 7/12/2011 05:46:19 | 19.50  | 51.14           | 33.65        | 7.67            | 7.96 | 7.4               | 1.42            | 102.0 |
| 628      | 7/12/2011 06:01:19 | 19.40  | 51.19           | 33.68        | 7.73            | 7.97 | 5.8               | 1.47            | 102.6 |
| 629      | 7/12/2011 06:16:19 | 19.29  | 51.22           | 33.71        | 7.79            | 7.97 | 5.4               | 1.57            | 103.2 |
| 630      | 7/12/2011 06:31:19 | 19.22  | 51.16           | 33.66        | 7.72            | 7.96 | 5.7               | 1.65            | 102.1 |
| 631      | 7/12/2011 06:46:19 | 19.17  | 51.03           | 33.57        | 7.71            | 7.96 | 5.9               | 1.71            | 101.8 |
| 632      | 7/12/2011 07:01:19 | 18.99  | 51.14           | 33.65        | 7.80            | 7.96 | 5.3               | 1.79            | 102.7 |
| 633      | 7/12/2011 07:16:19 | 18.78  | 51.10           | 33.61        | 7.92            | 7.97 | 5.2               | 1.89            | 103.8 |
| 634      | 7/12/2011 07:31:19 | 18.53  | 51.20           | 33.69        | 7.91            | 7.96 | 5.6               | 1.98            | 103.2 |
| 635      | 7/12/2011 07:46:18 | 18.08  | 51.08           | 33.60        | 7.94            | 7.95 | 5.3               | 2.07            | 102.7 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 636      | 7/12/2011 08:01:19 | 17.79  | 51.24           | 33.71        | 7.97            | 7.95 | 5.2               | 2.17            | 102.6 |
| 637      | 7/12/2011 08:16:19 | 17.54  | 51.27           | 33.73        | 7.98            | 7.91 | 5.1               | 2.27            | 102.3 |
| 638      | 7/12/2011 08:31:19 | 17.43  | 51.20           | 33.68        | 8.02            | 7.99 | 5.6               | 2.37            | 102.5 |
| 639      | 7/12/2011 08:46:19 | 17.35  | 51.25           | 33.72        | 8.03            | 7.95 | 5.7               | 2.44            | 102.6 |
| 640      | 7/12/2011 09:01:19 | 17.18  | 51.19           | 33.67        | 8.03            | 7.94 | 4.8               | 2.53            | 102.1 |
| 641      | 7/12/2011 09:16:19 | 16.91  | 51.20           | 33.67        | 8.00            | 7.94 | 5.0               | 2.62            | 101.2 |
| 642      | 7/12/2011 09:31:19 | 16.65  | 51.27           | 33.72        | 7.95            | 7.93 | 4.8               | 2.70            | 100.1 |
| 643      | 7/12/2011 09:46:19 | 16.23  | 51.22           | 33.69        | 7.91            | 7.96 | 4.4               | 2.76            | 98.8  |
| 644      | 7/12/2011 10:01:19 | 16.00  | 51.25           | 33.70        | 7.87            | 7.91 | 4.1               | 2.83            | 97.8  |
| 645      | 7/12/2011 10:16:19 | 15.75  | 51.22           | 33.67        | 7.85            | 7.91 | 3.8               | 2.89            | 97.1  |
| 646      | 7/12/2011 10:31:19 | 15.34  | 51.28           | 33.70        | 7.87            | 7.91 | 3.6               | 2.95            | 96.6  |
| 647      | 7/12/2011 10:46:19 | 14.78  | 51.38           | 33.76        | 7.93            | 7.90 | 3.8               | 3.00            | 96.3  |
| 648      | 7/12/2011 11:01:19 | 14.51  | 51.32           | 33.71        | 7.98            | 7.91 | 3.4               | 3.04            | 96.4  |
| 649      | 7/12/2011 11:16:19 | 14.41  | 51.48           | 33.83        | 7.98            | 7.91 | 3.2               | 3.08            | 96.2  |
| 650      | 7/12/2011 11:31:19 | 14.33  | 51.32           | 33.71        | 7.93            | 7.91 | 2.6               | 3.09            | 95.4  |
| 651      | 7/12/2011 11:46:19 | 14.62  | 51.41           | 33.78        | 7.99            | 7.95 | 2.8               | 3.09            | 96.8  |
| 652      | 7/12/2011 12:01:19 | 14.34  | 51.36           | 33.74        | 7.59            | 7.89 | 1.7               | 3.08            | 91.4  |
| 653      | 7/12/2011 12:16:19 | 14.34  | 51.38           | 33.75        | 7.72            | 7.89 | 2.4               | 3.05            | 92.9  |
| 654      | 7/12/2011 12:31:19 | 14.56  | 51.28           | 33.69        | 7.67            | 7.89 | 2.4               | 3.00            | 92.7  |
| 655      | 7/12/2011 12:46:19 | 15.40  | 51.37           | 33.78        | 7.87            | 7.91 | 3.9               | 2.94            | 96.7  |
| 656      | 7/12/2011 13:01:19 | 15.89  | 51.15           | 33.63        | 7.95            | 7.92 | 2.9               | 2.87            | 98.6  |
| 657      | 7/12/2011 13:16:19 | 16.80  | 51.28           | 33.73        | 8.49            | 7.96 | 5.0               | 2.80            | 107.3 |
| 658      | 7/12/2011 13:31:19 | 17.01  | 51.22           | 33.69        | 8.76            | 7.97 | 4.2               | 2.73            | 111.1 |
| 659      | 7/12/2011 13:46:19 | 17.32  | 51.30           | 33.75        | 8.91            | 7.98 | 4.0               | 2.66            | 113.8 |
| 660      | 7/12/2011 14:01:19 | 17.61  | 51.30           | 33.76        | 8.95            | 7.98 | 3.7               | 2.60            | 114.9 |
| 661      | 7/12/2011 14:16:19 | 17.65  | 51.30           | 33.76        | 8.66            | 7.98 | 3.1               | 2.55            | 111.2 |
| 662      | 7/12/2011 14:31:19 | 17.84  | 51.28           | 33.75        | 8.56            | 7.98 | 3.0               | 2.49            | 110.3 |
| 663      | 7/12/2011 14:46:19 | 18.03  | 51.30           | 33.76        | 8.91            | 7.99 | 2.4               | 2.44            | 115.3 |
| 664      | 7/12/2011 15:01:19 | 18.22  | 51.30           | 33.77        | 8.93            | 8.05 | 2.0               | 2.40            | 115.9 |
| 665      | 7/12/2011 15:16:19 | 18.45  | 51.31           | 33.77        | 9.09            | 8.02 | 2.3               | 2.36            | 118.6 |
| 666      | 7/12/2011 15:31:19 | 18.69  | 51.25           | 33.73        | 9.34            | 8.04 | 2.2               | 2.33            | 122.3 |
| 667      | 7/12/2011 15:46:19 | 18.83  | 51.29           | 33.76        | 9.59            | 8.05 | 3.1               | 2.32            | 125.9 |
| 668      | 7/12/2011 16:01:19 | 18.91  | 51.34           | 33.79        | 9.29            | 8.05 | 3.0               | 2.31            | 122.2 |
| 669      | 7/12/2011 16:16:19 | 18.96  | 51.30           | 33.77        | 10.17           | 8.07 | 3.9               | 2.32            | 133.8 |
| 670      | 7/12/2011 16:31:19 | 18.69  | 51.28           | 33.75        | 9.94            | 8.06 | 3.4               | 2.32            | 130.1 |
| 671      | 7/12/2011 16:46:19 | 18.63  | 51.28           | 33.75        | 9.80            | 8.06 | 3.5               | 2.35            | 128.2 |
| 672      | 7/12/2011 17:01:19 | 18.69  | 51.30           | 33.77        | 9.52            | 8.04 | 3.6               | 2.40            | 124.7 |
| 673      | 7/12/2011 17:16:19 | 18.53  | 51.33           | 33.79        | 9.50            | 8.03 | 3.6               | 2.45            | 124.0 |
| 674      | 7/12/2011 17:31:19 | 18.16  | 51.26           | 33.73        | 9.20            | 8.06 | 3.7               | 2.50            | 119.3 |
| 675      | 7/12/2011 17:46:19 | 18.19  | 51.32           | 33.78        | 9.19            | 8.01 | 4.4               | 2.58            | 119.2 |
| 676      | 7/12/2011 18:01:19 | 17.72  | 51.33           | 33.78        | 9.10            | 8.00 | 3.8               | 2.65            | 117.1 |
| 677      | 7/12/2011 18:16:19 | 17.21  | 51.34           | 33.79        | 8.81            | 7.98 | 3.4               | 2.71            | 112.3 |
| 678      | 7/12/2011 18:31:19 | 16.66  | 51.37           | 33.80        | 8.64            | 8.01 | 3.4               | 2.79            | 109.0 |
| 679      | 7/12/2011 18:46:19 | 15.90  | 51.42           | 33.82        | 8.37            | 7.94 | 3.8               | 2.87            | 104.0 |
| 680      | 7/12/2011 19:01:19 | 15.23  | 51.48           | 33.86        | 8.12            | 7.96 | 4.3               | 2.95            | 99.6  |
| 681      | 7/12/2011 19:16:19 | 15.02  | 51.48           | 33.85        | 8.10            | 7.92 | 5.0               | 3.04            | 98.9  |
| 682      | 7/12/2011 19:31:19 | 14.61  | 51.48           | 33.84        | 7.85            | 7.90 | 4.5               | 3.12            | 95.1  |
| 683      | 7/12/2011 19:46:19 | 14.46  | 51.45           | 33.81        | 7.86            | 7.90 | 4.6               | 3.21            | 94.9  |
| 684      | 7/12/2011 20:01:19 | 13.94  | 51.43           | 33.78        | 7.76            | 7.88 | 6.3               | 3.30            | 92.7  |
| 685      | 7/12/2011 20:16:19 | 13.35  | 51.41           | 33.74        | 7.56            | 7.86 | 6.5               | 3.39            | 89.2  |
| 686      | 7/12/2011 20:31:19 | 12.84  | 51.70           | 33.93        | 7.43            | 7.84 | 5.7               | 3.48            | 86.9  |
| 687      | 7/12/2011 20:46:19 | 12.36  | 51.76           | 33.96        | 7.26            | 7.86 | 5.7               | 3.56            | 84.0  |
| 688      | 7/12/2011 21:01:19 | 12.09  | 51.67           | 33.88        | 7.19            | 7.85 | 5.1               | 3.64            | 82.7  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 689      | 7/12/2011 21:16:19 | 11.86  | 51.78  | 33.95        | 7.22    | 7.81 | 5.4               | 3.72            | 82.7  |
| 690      | 7/12/2011 21:31:19 | 11.79  | 51.83  | 33.98        | 7.29    | 7.80 | 3.7               | 3.78            | 83.3  |
| 691      | 7/12/2011 21:46:19 | 11.71  | 51.84  | 33.98        | 7.41    | 7.82 | 2.9               | 3.84            | 84.6  |
| 692      | 7/12/2011 22:01:19 | 11.68  | 51.82  | 33.97        | 7.53    | 7.82 | 2.7               | 3.87            | 85.9  |
| 693      | 7/12/2011 22:16:19 | 11.68  | 51.69  | 33.87        | 7.53    | 7.83 | 15.0              | 3.90            | 85.9  |
| 694      | 7/12/2011 22:31:19 | 12.02  | 51.75  | 33.93        | 7.10    | 7.86 | 2.6               | 3.90            | 81.5  |
| 695      | 7/12/2011 22:46:19 | 11.72  | 51.92  | 34.04        | 7.24    | 7.80 | 1.8               | 3.89            | 82.7  |
| 696      | 7/12/2011 23:01:19 | 11.76  | 51.82  | 33.97        | 7.32    | 7.81 | 2.6               | 3.85            | 83.7  |
| 697      | 7/12/2011 23:16:19 | 11.99  | 51.67  | 33.87        | 7.24    | 7.85 | 4.3               | 3.79            | 83.1  |
| 698      | 7/12/2011 23:31:19 | 12.44  | 51.66  | 33.89        | 6.87    | 7.80 | 4.4               | 3.71            | 79.6  |
| 699      | 7/12/2011 23:46:19 | 13.51  | 51.57  | 33.86        | 7.60    | 7.89 | 7.1               | 3.61            | 90.1  |
| 700      | 7/13/2011 00:01:19 | 14.41  | 51.59  | 33.91        | 7.68    | 7.91 | 6.2               | 3.50            | 92.7  |
| 701      | 7/13/2011 00:16:19 | 14.59  | 51.60  | 33.92        | 7.79    | 7.95 | 6.4               | 3.38            | 94.4  |
| 702      | 7/13/2011 00:31:19 | 14.54  | 51.63  | 33.94        | 7.64    | 7.94 | 6.1               | 3.26            | 92.4  |
| 703      | 7/13/2011 00:46:19 | 14.48  | 51.56  | 33.89        | 7.59    | 7.93 | 5.3               | 3.14            | 91.7  |
| 704      | 7/13/2011 01:01:19 | 14.68  | 51.60  | 33.92        | 7.68    | 7.86 | 7.1               | 3.01            | 93.2  |
| 705      | 7/13/2011 01:16:19 | 15.09  | 51.57  | 33.92        | 7.78    | 7.95 | 6.7               | 2.89            | 95.2  |
| 706      | 7/13/2011 01:31:19 | 15.77  | 51.44  | 33.83        | 7.81    | 7.92 | 5.7               | 2.76            | 96.8  |
| 707      | 7/13/2011 01:46:19 | 16.69  | 51.41  | 33.83        | 7.86    | 7.99 | 7.2               | 2.62            | 99.2  |
| 708      | 7/13/2011 02:01:19 | 16.64  | 51.28  | 33.73        | 7.58    | 7.96 | 8.4               | 2.48            | 95.5  |
| 709      | 7/13/2011 02:16:19 | 15.92  | 51.56  | 33.93        | 7.75    | 7.88 | 7.6               | 2.34            | 96.4  |
| 710      | 7/13/2011 02:31:19 | 16.94  | 51.46  | 33.87        | 7.93    | 7.99 | 9.0               | 2.21            | 100.6 |
| 711      | 7/13/2011 02:46:19 | 16.97  | 51.42  | 33.84        | 7.86    | 7.94 | 9.0               | 2.04            | 99.7  |
| 712      | 7/13/2011 03:01:19 | 17.09  | 51.41  | 33.84        | 7.86    | 7.94 | 8.6               | 1.90            | 99.9  |
| 713      | 7/13/2011 03:16:19 | 17.27  | 51.40  | 33.82        | 7.78    | 7.94 | 8.2               | 1.76            | 99.2  |
| 714      | 7/13/2011 03:31:19 | 17.46  | 51.35  | 33.80        | 7.75    | 7.94 | 7.3               | 1.61            | 99.2  |
| 715      | 7/13/2011 03:46:19 | 17.88  | 51.34  | 33.79        | 7.72    | 7.95 | 7.2               | 1.46            | 99.6  |
| 716      | 7/13/2011 04:01:19 | 18.00  | 51.42  | 33.85        | 7.72    | 7.96 | 7.1               | 1.33            | 99.8  |
| 717      | 7/13/2011 04:16:18 | 18.13  | 51.16  | 33.66        | 7.61    | 7.95 | 6.0               | 1.20            | 98.6  |
| 718      | 7/13/2011 04:31:18 | 18.40  | 51.33  | 33.79        | 7.47    | 7.95 | 5.7               | 1.10            | 97.3  |
| 719      | 7/13/2011 04:46:19 | 18.54  | 51.37  | 33.81        | 7.36    | 7.95 | 4.9               | 1.02            | 96.2  |
| 720      | 7/13/2011 05:01:19 | 18.62  | 51.40  | 33.84        | 7.54    | 7.96 | 5.7               | 0.98            | 98.7  |
| 721      | 7/13/2011 05:16:19 | 18.34  | 51.43  | 33.86        | 7.16    | 7.94 | 3.7               | 0.99            | 93.3  |
| 722      | 7/13/2011 05:31:18 | 19.46  | 51.28  | 33.75        | 7.59    | 7.97 | 5.7               | 1.05            | 100.8 |
| 723      | 7/13/2011 05:46:19 | 19.29  | 51.42  | 33.86        | 7.49    | 7.97 | 5.1               | 1.12            | 99.3  |
| 724      | 7/13/2011 06:01:19 | 19.53  | 51.44  | 33.86        | 7.28    | 7.96 | 5.2               | 1.19            | 96.9  |
| 725      | 7/13/2011 06:16:19 | 19.53  | 51.43  | 33.86        | 7.28    | 7.96 | 5.8               | 1.27            | 96.9  |
| 726      | 7/13/2011 06:31:18 | 19.41  | 51.22  | 33.71        | 7.33    | 7.95 | 6.5               | 1.34            | 97.3  |
| 727      | 7/13/2011 06:46:19 | 19.34  | 51.28  | 33.75        | 7.25    | 7.94 | 6.6               | 1.41            | 96.1  |
| 728      | 7/13/2011 07:01:19 | 19.31  | 51.11  | 33.63        | 7.04    | 7.93 | 6.1               | 1.48            | 93.2  |
| 729      | 7/13/2011 07:16:19 | 19.09  | 51.29  | 33.76        | 7.31    | 7.94 | 7.1               | 1.57            | 96.4  |
| 730      | 7/13/2011 07:31:19 | 19.02  | 51.15  | 33.65        | 7.27    | 7.94 | 6.1               | 1.64            | 95.8  |
| 731      | 7/13/2011 07:46:19 | 18.84  | 51.12  | 33.63        | 7.41    | 7.95 | 5.4               | 1.72            | 97.2  |
| 732      | 7/13/2011 08:01:19 | 18.64  | 51.32  | 33.78        | 7.48    | 7.95 | 5.3               | 1.82            | 97.9  |
| 733      | 7/13/2011 08:16:19 | 18.32  | 51.28  | 33.75        | 7.49    | 7.95 | 5.4               | 1.92            | 97.5  |
| 734      | 7/13/2011 08:31:19 | 17.93  | 51.26  | 33.73        | 7.52    | 7.94 | 5.6               | 2.01            | 97.1  |
| 735      | 7/13/2011 08:46:19 | 17.70  | 51.39  | 33.82        | 7.55    | 7.91 | 6.2               | 2.12            | 97.1  |
| 736      | 7/13/2011 09:01:19 | 17.45  | 51.34  | 33.78        | 7.55    | 7.98 | 5.8               | 2.23            | 96.6  |
| 737      | 7/13/2011 09:16:19 | 17.30  | 51.28  | 33.74        | 7.60    | 7.94 | 5.7               | 2.33            | 96.9  |
| 738      | 7/13/2011 09:31:19 | 17.21  | 51.43  | 33.85        | 7.63    | 7.94 | 5.7               | 2.43            | 97.2  |
| 739      | 7/13/2011 09:46:19 | 17.00  | 51.37  | 33.80        | 7.63    | 7.94 | 5.1               | 2.53            | 96.8  |
| 740      | 7/13/2011 10:01:19 | 16.69  | 51.41  | 33.83        | 7.59    | 7.93 | 5.4               | 2.62            | 95.7  |
| 741      | 7/13/2011 10:16:19 | 16.40  | 51.34  | 33.77        | 7.47    | 7.91 | 5.2               | 2.70            | 93.7  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 742      | 7/13/2011 10:31:19 | 16.02  | 51.43  | 33.84        | 7.47    | 7.91 | 5.2               | 2.79            | 93.0  |
| 743      | 7/13/2011 10:46:19 | 15.71  | 51.29  | 33.72        | 7.43    | 7.90 | 5.4               | 2.86            | 91.9  |
| 744      | 7/13/2011 11:01:19 | 15.13  | 51.51  | 33.87        | 7.35    | 7.88 | 4.6               | 2.94            | 89.9  |
| 745      | 7/13/2011 11:16:19 | 14.37  | 51.58  | 33.90        | 7.40    | 7.87 | 4.9               | 3.00            | 89.2  |
| 746      | 7/13/2011 11:31:19 | 14.06  | 51.64  | 33.93        | 7.39    | 7.91 | 4.5               | 3.06            | 88.5  |
| 747      | 7/13/2011 11:46:19 | 13.95  | 51.63  | 33.92        | 7.36    | 7.87 | 3.6               | 3.12            | 88.0  |
| 748      | 7/13/2011 12:01:19 | 13.87  | 51.65  | 33.94        | 7.33    | 7.86 | 3.4               | 3.15            | 87.5  |
| 749      | 7/13/2011 12:16:19 | 13.82  | 51.54  | 33.86        | 7.18    | 7.86 | 3.1               | 3.18            | 85.6  |
| 750      | 7/13/2011 12:31:19 | 14.13  | 51.48  | 33.83        | 6.79    | 7.86 | 3.1               | 3.20            | 81.5  |
| 751      | 7/13/2011 12:46:19 | 13.91  | 51.73  | 34.00        | 6.87    | 7.89 | 1.9               | 3.18            | 82.1  |
| 752      | 7/13/2011 13:01:19 | 13.91  | 51.65  | 33.94        | 7.14    | 7.86 | 2.7               | 3.15            | 85.4  |
| 753      | 7/13/2011 13:16:19 | 14.01  | 51.59  | 33.90        | 7.19    | 7.86 | 4.9               | 3.10            | 86.0  |
| 754      | 7/13/2011 13:31:18 | 14.57  | 51.42  | 33.79        | 7.42    | 7.88 | 4.7               | 3.06            | 89.8  |
| 755      | 7/13/2011 13:46:19 | 15.15  | 51.58  | 33.92        | 7.58    | 7.90 | 3.8               | 2.98            | 92.8  |
| 756      | 7/13/2011 14:01:19 | 16.33  | 51.40  | 33.82        | 8.28    | 7.95 | 4.8               | 2.90            | 103.7 |
| 757      | 7/13/2011 14:16:19 | 16.55  | 51.47  | 33.87        | 8.34    | 7.96 | 4.5               | 2.83            | 105.0 |
| 758      | 7/13/2011 14:31:19 | 16.73  | 51.39  | 33.81        | 8.47    | 7.97 | 4.2               | 2.75            | 106.9 |
| 759      | 7/13/2011 14:46:19 | 17.16  | 51.43  | 33.85        | 8.67    | 7.99 | 4.4               | 2.68            | 110.4 |
| 760      | 7/13/2011 15:01:19 | 17.37  | 51.43  | 33.85        | 8.71    | 8.00 | 3.8               | 2.60            | 111.3 |
| 761      | 7/13/2011 15:16:19 | 17.75  | 51.46  | 33.88        | 9.05    | 8.03 | 5.2               | 2.54            | 116.6 |
| 762      | 7/13/2011 15:31:19 | 18.02  | 51.51  | 33.91        | 9.12    | 8.00 | 4.0               | 2.48            | 118.1 |
| 763      | 7/13/2011 15:46:19 | 18.22  | 51.47  | 33.89        | 9.40    | 8.09 | 3.9               | 2.43            | 122.1 |
| 764      | 7/13/2011 16:01:19 | 18.55  | 51.42  | 33.85        | 9.51    | 8.06 | 3.5               | 2.38            | 124.3 |
| 765      | 7/13/2011 16:16:19 | 18.94  | 51.39  | 33.83        | 9.46    | 8.07 | 3.7               | 2.34            | 124.6 |
| 766      | 7/13/2011 16:31:19 | 19.15  | 51.43  | 33.86        | 9.48    | 8.07 | 3.4               | 2.31            | 125.3 |
| 767      | 7/13/2011 16:46:19 | 19.23  | 51.47  | 33.89        | 8.92    | 8.05 | 2.9               | 2.28            | 118.2 |
| 768      | 7/13/2011 17:01:19 | 19.27  | 51.37  | 33.82        | 8.75    | 8.06 | 2.8               | 2.28            | 115.8 |
| 769      | 7/13/2011 17:16:19 | 19.24  | 51.35  | 33.80        | 9.88    | 8.10 | 3.5               | 2.29            | 130.8 |
| 770      | 7/13/2011 17:31:19 | 19.07  | 51.50  | 33.91        | 9.90    | 8.09 | 3.4               | 2.30            | 130.7 |
| 771      | 7/13/2011 17:46:19 | 19.03  | 51.49  | 33.91        | 9.72    | 8.05 | 3.5               | 2.35            | 128.3 |
| 772      | 7/13/2011 18:01:19 | 18.99  | 51.46  | 33.88        | 9.37    | 8.06 | 3.5               | 2.39            | 123.5 |
| 773      | 7/13/2011 18:16:19 | 18.76  | 51.45  | 33.87        | 9.21    | 8.04 | 3.8               | 2.44            | 120.8 |
| 774      | 7/13/2011 18:31:19 | 18.75  | 51.43  | 33.86        | 9.13    | 8.04 | 4.7               | 2.51            | 119.7 |
| 775      | 7/13/2011 18:46:19 | 18.47  | 51.38  | 33.82        | 9.03    | 8.03 | 4.0               | 2.58            | 117.8 |
| 776      | 7/13/2011 19:01:19 | 18.04  | 51.35  | 33.80        | 8.92    | 8.02 | 4.0               | 2.66            | 115.4 |
| 777      | 7/13/2011 19:16:19 | 17.38  | 51.51  | 33.91        | 8.68    | 7.99 | 4.0               | 2.73            | 111.1 |
| 778      | 7/13/2011 19:31:19 | 16.64  | 51.37  | 33.80        | 8.28    | 7.96 | 4.4               | 2.82            | 104.3 |
| 779      | 7/13/2011 19:46:19 | 16.28  | 51.53  | 33.91        | 8.09    | 7.94 | 5.5               | 2.89            | 101.3 |
| 780      | 7/13/2011 20:01:19 | 15.53  | 51.58  | 33.93        | 7.89    | 7.92 | 6.0               | 2.97            | 97.4  |
| 781      | 7/13/2011 20:16:19 | 15.07  | 51.62  | 33.95        | 7.72    | 7.95 | 5.9               | 3.06            | 94.4  |
| 782      | 7/13/2011 20:31:19 | 14.90  | 51.59  | 33.93        | 7.69    | 7.90 | 5.4               | 3.15            | 93.7  |
| 783      | 7/13/2011 20:46:19 | 14.31  | 51.70  | 33.99        | 7.64    | 7.89 | 7.6               | 3.24            | 92.1  |
| 784      | 7/13/2011 21:01:19 | 13.59  | 51.69  | 33.96        | 7.63    | 7.91 | 8.7               | 3.33            | 90.6  |
| 785      | 7/13/2011 21:16:19 | 12.98  | 51.69  | 33.94        | 7.50    | 7.85 | 8.1               | 3.43            | 87.9  |
| 786      | 7/13/2011 21:31:18 | 12.68  | 51.71  | 33.93        | 7.46    | 7.84 | 7.2               | 3.52            | 86.9  |
| 787      | 7/13/2011 21:46:19 | 12.34  | 51.83  | 34.00        | 7.43    | 7.84 | 6.2               | 3.60            | 86.0  |
| 788      | 7/13/2011 22:01:19 | 12.12  | 51.86  | 34.02        | 7.63    | 7.85 | 6.2               | 3.69            | 87.9  |
| 789      | 7/13/2011 22:16:19 | 12.05  | 51.71  | 33.90        | 7.78    | 7.86 | 5.1               | 3.76            | 89.5  |
| 790      | 7/13/2011 22:31:19 | 11.96  | 51.90  | 34.04        | 7.98    | 7.87 | 4.0               | 3.82            | 91.6  |
| 791      | 7/13/2011 22:46:19 | 11.91  | 51.87  | 34.01        | 8.08    | 7.88 | 4.0               | 3.88            | 92.7  |
| 792      | 7/13/2011 23:01:19 | 11.89  | 51.87  | 34.02        | 8.06    | 7.88 | 2.4               | 3.90            | 92.4  |
| 793      | 7/13/2011 23:16:19 | 11.91  | 51.89  | 34.03        | 7.78    | 7.87 | 2.8               | 3.92            | 89.3  |
| 794      | 7/13/2011 23:31:19 | 12.18  | 51.69  | 33.90        | 7.41    | 7.85 | 2.6               | 3.92            | 85.4  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 795      | 7/13/2011 23:46:19 | 11.98  | 51.91  | 34.05        | 7.75    | 7.87 | 2.4               | 3.88            | 89.0 |
| 796      | 7/14/2011 00:01:19 | 11.98  | 51.91  | 34.04        | 7.77    | 7.86 | 3.2               | 3.82            | 89.2 |
| 797      | 7/14/2011 00:16:19 | 12.44  | 51.72  | 33.93        | 7.35    | 7.84 | 4.2               | 3.75            | 85.2 |
| 798      | 7/14/2011 00:31:19 | 13.34  | 51.66  | 33.93        | 7.53    | 7.89 | 5.6               | 3.66            | 89.0 |
| 799      | 7/14/2011 00:46:19 | 13.94  | 51.63  | 33.93        | 7.47    | 7.89 | 4.3               | 3.55            | 89.3 |
| 800      | 7/14/2011 01:01:18 | 14.40  | 51.57  | 33.90        | 7.44    | 7.89 | 4.6               | 3.43            | 89.8 |
| 801      | 7/14/2011 01:16:19 | 14.29  | 51.61  | 33.92        | 7.56    | 7.90 | 5.1               | 3.31            | 91.1 |
| 802      | 7/14/2011 01:31:19 | 14.36  | 51.69  | 33.99        | 7.57    | 7.90 | 5.2               | 3.20            | 91.3 |
| 803      | 7/14/2011 01:46:19 | 15.04  | 51.55  | 33.90        | 7.45    | 7.90 | 6.1               | 3.06            | 91.1 |
| 804      | 7/14/2011 02:01:19 | 15.20  | 51.63  | 33.96        | 7.59    | 7.91 | 6.1               | 2.92            | 93.1 |
| 805      | 7/14/2011 02:16:19 | 16.21  | 51.54  | 33.91        | 7.62    | 7.98 | 9.8               | 2.80            | 95.3 |
| 806      | 7/14/2011 02:31:19 | 16.45  | 51.56  | 33.93        | 7.70    | 7.98 | 6.7               | 2.66            | 96.7 |
| 807      | 7/14/2011 02:46:19 | 15.98  | 51.61  | 33.96        | 7.47    | 7.92 | 6.2               | 2.53            | 93.0 |
| 808      | 7/14/2011 03:01:19 | 16.42  | 51.43  | 33.84        | 7.31    | 7.92 | 8.2               | 2.36            | 91.8 |
| 809      | 7/14/2011 03:16:19 | 16.51  | 51.61  | 33.97        | 7.55    | 7.93 | 10.1              | 2.22            | 95.0 |
| 810      | 7/14/2011 03:31:19 | 16.90  | 51.50  | 33.90        | 7.51    | 7.94 | 9.5               | 2.09            | 95.2 |
| 811      | 7/14/2011 03:46:19 | 16.92  | 51.48  | 33.88        | 7.27    | 7.93 | 8.1               | 1.93            | 92.2 |
| 812      | 7/14/2011 04:01:19 | 17.33  | 51.52  | 33.92        | 7.29    | 7.94 | 8.2               | 1.77            | 93.2 |
| 813      | 7/14/2011 04:16:19 | 17.54  | 51.42  | 33.85        | 7.31    | 7.94 | 7.9               | 1.62            | 93.7 |
| 814      | 7/14/2011 04:31:18 | 17.92  | 51.25  | 33.72        | 7.44    | 7.95 | 7.9               | 1.47            | 96.0 |
| 815      | 7/14/2011 04:46:18 | 18.23  | 51.51  | 33.92        | 7.52    | 7.96 | 7.4               | 1.33            | 97.8 |
| 816      | 7/14/2011 05:01:19 | 18.41  | 51.48  | 33.90        | 7.44    | 7.97 | 7.9               | 1.19            | 97.0 |
| 817      | 7/14/2011 05:16:19 | 18.50  | 51.42  | 33.85        | 7.34    | 7.96 | 8.2               | 1.09            | 95.9 |
| 818      | 7/14/2011 05:31:19 | 18.68  | 51.51  | 33.92        | 7.13    | 7.96 | 6.8               | 0.99            | 93.5 |
| 819      | 7/14/2011 05:46:19 | 18.81  | 51.52  | 33.93        | 6.97    | 7.95 | 7.0               | 0.95            | 91.5 |
| 820      | 7/14/2011 06:01:18 | 18.83  | 51.35  | 33.80        | 7.06    | 7.94 | 5.9               | 0.95            | 92.8 |
| 821      | 7/14/2011 06:16:19 | 19.18  | 51.56  | 33.95        | 7.08    | 7.96 | 5.1               | 0.99            | 93.7 |
| 822      | 7/14/2011 06:31:19 | 19.19  | 51.45  | 33.87        | 7.28    | 7.97 | 4.5               | 1.08            | 96.3 |
| 823      | 7/14/2011 06:46:19 | 19.23  | 51.48  | 33.90        | 7.24    | 7.98 | 5.6               | 1.15            | 95.9 |
| 824      | 7/14/2011 07:01:18 | 19.17  | 51.37  | 33.82        | 7.28    | 7.98 | 5.7               | 1.23            | 96.3 |
| 825      | 7/14/2011 07:16:19 | 19.11  | 51.53  | 33.93        | 7.28    | 7.98 | 4.9               | 1.30            | 96.2 |
| 826      | 7/14/2011 07:31:19 | 19.15  | 51.33  | 33.79        | 7.01    | 7.96 | 6.3               | 1.39            | 92.7 |
| 827      | 7/14/2011 07:46:19 | 19.03  | 51.35  | 33.80        | 7.07    | 7.96 | 5.0               | 1.47            | 93.3 |
| 828      | 7/14/2011 08:01:18 | 18.99  | 51.05  | 33.58        | 6.98    | 7.94 | 5.6               | 1.53            | 91.8 |
| 829      | 7/14/2011 08:16:19 | 18.90  | 51.26  | 33.74        | 6.97    | 7.95 | 5.6               | 1.64            | 91.6 |
| 830      | 7/14/2011 08:31:19 | 18.67  | 51.37  | 33.82        | 7.07    | 7.95 | 5.1               | 1.73            | 92.6 |
| 831      | 7/14/2011 08:46:19 | 18.51  | 51.40  | 33.84        | 7.10    | 7.95 | 5.8               | 1.82            | 92.7 |
| 832      | 7/14/2011 09:01:19 | 18.05  | 51.45  | 33.87        | 7.11    | 7.95 | 5.3               | 1.92            | 92.1 |
| 833      | 7/14/2011 09:16:19 | 17.84  | 51.49  | 33.90        | 7.12    | 7.91 | 5.4               | 2.03            | 91.9 |
| 834      | 7/14/2011 09:31:19 | 17.58  | 51.49  | 33.90        | 7.20    | 7.91 | 5.5               | 2.14            | 92.4 |
| 835      | 7/14/2011 09:46:19 | 17.41  | 51.44  | 33.86        | 7.23    | 7.98 | 6.0               | 2.25            | 92.5 |
| 836      | 7/14/2011 10:01:19 | 17.28  | 51.45  | 33.86        | 7.25    | 7.94 | 5.6               | 2.35            | 92.5 |
| 837      | 7/14/2011 10:16:19 | 17.18  | 51.45  | 33.86        | 7.27    | 7.94 | 5.7               | 2.46            | 92.6 |
| 838      | 7/14/2011 10:31:19 | 16.92  | 51.46  | 33.87        | 7.23    | 7.93 | 5.9               | 2.55            | 91.7 |
| 839      | 7/14/2011 10:46:19 | 16.62  | 51.45  | 33.85        | 7.19    | 7.92 | 6.2               | 2.65            | 90.6 |
| 840      | 7/14/2011 11:01:19 | 16.17  | 51.44  | 33.84        | 7.18    | 7.91 | 6.0               | 2.73            | 89.7 |
| 841      | 7/14/2011 11:16:19 | 15.86  | 51.48  | 33.86        | 7.13    | 7.90 | 6.0               | 2.82            | 88.6 |
| 842      | 7/14/2011 11:31:19 | 15.53  | 51.55  | 33.91        | 7.04    | 7.89 | 6.3               | 2.90            | 86.9 |
| 843      | 7/14/2011 11:46:19 | 14.61  | 51.60  | 33.92        | 7.10    | 7.87 | 6.4               | 2.97            | 86.1 |
| 844      | 7/14/2011 12:01:19 | 14.12  | 51.54  | 33.86        | 7.18    | 7.87 | 7.7               | 3.05            | 86.1 |
| 845      | 7/14/2011 12:16:19 | 13.93  | 51.69  | 33.97        | 7.23    | 7.87 | 7.2               | 3.11            | 86.4 |
| 846      | 7/14/2011 12:31:19 | 13.76  | 51.69  | 33.97        | 7.26    | 7.91 | 5.7               | 3.17            | 86.5 |
| 847      | 7/14/2011 12:46:19 | 13.59  | 51.53  | 33.84        | 7.28    | 7.87 | 4.0               | 3.21            | 86.4 |



sonde #4

Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 848      | 7/14/2011 13:01:19 | 13.51  | 51.69           | 33.95        | 7.20            | 7.87 | 3.3               | 3.25            | 85.4  |
| 849      | 7/14/2011 13:16:19 | 13.50  | 51.60           | 33.89        | 7.02            | 7.86 | 3.3               | 3.27            | 83.2  |
| 850      | 7/14/2011 13:31:19 | 13.67  | 51.69           | 33.96        | 6.63            | 7.84 | 44.6              | 3.25            | 78.8  |
|          | Mean               | 16.59  | 51.199          | 33.66        | 8.16            | 7.93 | 5.2               | 2.555           | 102.6 |
|          | Minimum            | 11.68  | 50.400          | 33.10        | 6.63            | 7.80 | 1.3               | 0.952           | 78.8  |
|          | Maximum            | 19.61  | 51.922          | 34.05        | 10.50           | 8.10 | 44.6              | 3.924           | 133.9 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 0        | 7/14/2011 14:16:18 | 14.05  | 50.66  | 33.22        | 7.78    | 7.88 | 3.7        | 2.97            | 92.8  |
| 1        | 7/14/2011 14:31:18 | 15.08  | 50.65  | 33.24        | 8.10    | 7.94 | 4.2        | 2.89            | 98.7  |
| 2        | 7/14/2011 14:46:18 | 15.49  | 50.64  | 33.24        | 8.57    | 7.98 | 4.0        | 2.81            | 105.2 |
| 3        | 7/14/2011 15:01:18 | 15.62  | 50.64  | 33.24        | 8.54    | 7.98 | 4.2        | 2.73            | 105.1 |
| 4        | 7/14/2011 15:16:18 | 15.90  | 50.62  | 33.24        | 8.89    | 8.02 | 4.4        | 2.65            | 110.1 |
| 5        | 7/14/2011 15:31:18 | 16.28  | 50.62  | 33.24        | 9.24    | 8.05 | 4.7        | 2.56            | 115.2 |
| 6        | 7/14/2011 15:46:18 | 16.58  | 50.57  | 33.21        | 9.57    | 8.08 | 3.9        | 2.49            | 120.0 |
| 7        | 7/14/2011 16:01:18 | 16.96  | 50.55  | 33.20        | 9.57    | 8.10 | 3.5        | 2.41            | 120.9 |
| 8        | 7/14/2011 16:16:18 | 17.26  | 50.58  | 33.23        | 9.66    | 8.10 | 3.9        | 2.35            | 122.7 |
| 9        | 7/14/2011 16:31:18 | 17.46  | 50.59  | 33.23        | 9.79    | 8.12 | 3.8        | 2.29            | 124.9 |
| 10       | 7/14/2011 16:46:18 | 17.64  | 50.59  | 33.24        | 9.93    | 8.13 | 3.3        | 2.22            | 127.1 |
| 11       | 7/14/2011 17:01:18 | 17.86  | 50.57  | 33.22        | 9.96    | 8.14 | 3.3        | 2.18            | 128.0 |
| 12       | 7/14/2011 17:16:18 | 18.09  | 50.55  | 33.21        | 9.53    | 8.12 | 3.0        | 2.14            | 123.0 |
| 13       | 7/14/2011 17:31:18 | 18.28  | 50.54  | 33.20        | 9.55    | 8.12 | 2.9        | 2.10            | 123.7 |
| 14       | 7/14/2011 17:46:18 | 18.48  | 50.50  | 33.18        | 9.73    | 8.14 | 2.4        | 2.09            | 126.5 |
| 15       | 7/14/2011 18:01:18 | 18.59  | 50.54  | 33.21        | 9.37    | 8.11 | 2.7        | 2.09            | 122.2 |
| 16       | 7/14/2011 18:16:18 | 18.37  | 50.58  | 33.23        | 9.95    | 8.13 | 3.1        | 2.10            | 129.1 |
| 17       | 7/14/2011 18:31:18 | 18.45  | 50.55  | 33.21        | 9.59    | 8.11 | 2.9        | 2.13            | 124.7 |
| 18       | 7/14/2011 18:46:18 | 18.42  | 50.55  | 33.21        | 9.38    | 8.09 | 3.0        | 2.17            | 121.8 |
| 19       | 7/14/2011 19:01:18 | 18.47  | 50.56  | 33.22        | 9.33    | 8.08 | 3.1        | 2.23            | 121.4 |
| 20       | 7/14/2011 19:16:18 | 18.09  | 50.60  | 33.25        | 9.14    | 8.06 | 3.3        | 2.30            | 118.0 |
| 21       | 7/14/2011 19:31:18 | 18.16  | 50.45  | 33.13        | 9.20    | 8.06 | 4.6        | 2.38            | 118.9 |
| 22       | 7/14/2011 19:46:18 | 17.76  | 50.54  | 33.20        | 9.19    | 8.05 | 3.6        | 2.45            | 117.9 |
| 23       | 7/14/2011 20:01:18 | 17.49  | 50.60  | 33.24        | 9.18    | 8.05 | 3.2        | 2.53            | 117.2 |
| 24       | 7/14/2011 20:16:18 | 16.80  | 50.66  | 33.28        | 8.86    | 8.01 | 4.0        | 2.60            | 111.6 |
| 25       | 7/14/2011 20:31:18 | 16.14  | 50.79  | 33.36        | 8.60    | 7.98 | 4.0        | 2.69            | 107.0 |
| 26       | 7/14/2011 20:46:18 | 15.37  | 50.74  | 33.31        | 8.22    | 7.95 | 4.5        | 2.78            | 100.8 |
| 27       | 7/14/2011 21:01:18 | 15.11  | 50.70  | 33.28        | 8.15    | 7.95 | 3.7        | 2.86            | 99.3  |
| 28       | 7/14/2011 21:16:18 | 14.67  | 50.86  | 33.38        | 8.09    | 7.94 | 5.0        | 2.95            | 97.8  |
| 29       | 7/14/2011 21:31:18 | 14.06  | 50.81  | 33.33        | 7.96    | 7.92 | 6.5        | 3.05            | 95.1  |
| 30       | 7/14/2011 21:46:18 | 13.53  | 50.88  | 33.36        | 7.88    | 7.90 | 6.3        | 3.14            | 93.1  |
| 31       | 7/14/2011 22:01:18 | 13.01  | 50.84  | 33.32        | 7.92    | 7.90 | 7.5        | 3.24            | 92.6  |
| 32       | 7/14/2011 22:16:18 | 12.62  | 50.95  | 33.38        | 7.82    | 7.89 | 6.7        | 3.33            | 90.7  |
| 33       | 7/14/2011 22:31:18 | 12.38  | 50.97  | 33.38        | 7.83    | 7.88 | 6.3        | 3.42            | 90.3  |
| 34       | 7/14/2011 22:46:18 | 12.02  | 51.03  | 33.40        | 7.99    | 7.89 | 5.6        | 3.50            | 91.5  |
| 35       | 7/14/2011 23:01:18 | 11.87  | 50.99  | 33.37        | 8.03    | 7.89 | 4.7        | 3.57            | 91.7  |
| 36       | 7/14/2011 23:16:18 | 11.73  | 51.00  | 33.37        | 8.15    | 7.90 | 3.2        | 3.64            | 92.7  |
| 37       | 7/14/2011 23:31:18 | 11.65  | 51.03  | 33.38        | 8.31    | 7.91 | 2.7        | 3.70            | 94.4  |
| 38       | 7/14/2011 23:46:18 | 11.65  | 51.00  | 33.36        | 8.29    | 7.91 | 2.6        | 3.74            | 94.2  |
| 39       | 7/15/2011 00:01:18 | 11.63  | 51.01  | 33.38        | 7.95    | 7.90 | 2.4        | 3.75            | 90.3  |
| 40       | 7/15/2011 00:16:18 | 11.88  | 51.05  | 33.42        | 7.84    | 7.90 | 2.0        | 3.75            | 89.6  |
| 41       | 7/15/2011 00:31:18 | 11.72  | 51.06  | 33.41        | 7.92    | 7.90 | 2.1        | 3.72            | 90.2  |
| 42       | 7/15/2011 00:46:18 | 11.74  | 51.06  | 33.41        | 8.07    | 7.90 | 2.6        | 3.67            | 91.9  |
| 43       | 7/15/2011 01:01:18 | 12.37  | 50.71  | 33.19        | 7.67    | 7.89 | 3.1        | 3.60            | 88.4  |
| 44       | 7/15/2011 01:16:18 | 12.53  | 50.97  | 33.38        | 7.86    | 7.90 | 6.4        | 3.50            | 90.9  |
| 45       | 7/15/2011 01:31:18 | 13.17  | 50.94  | 33.39        | 7.94    | 7.93 | 4.6        | 3.39            | 93.2  |
| 46       | 7/15/2011 01:46:18 | 13.73  | 50.86  | 33.35        | 7.70    | 7.92 | 3.7        | 3.28            | 91.3  |
| 47       | 7/15/2011 02:01:18 | 13.83  | 50.85  | 33.35        | 7.88    | 7.94 | 4.2        | 3.15            | 93.6  |
| 48       | 7/15/2011 02:16:18 | 13.97  | 50.80  | 33.32        | 7.93    | 7.94 | 7.6        | 3.03            | 94.5  |
| 49       | 7/15/2011 02:31:18 | 14.24  | 50.76  | 33.30        | 7.90    | 7.95 | 5.7        | 2.91            | 94.6  |
| 50       | 7/15/2011 02:46:18 | 14.67  | 50.80  | 33.34        | 7.84    | 7.95 | 6.8        | 2.79            | 94.7  |
| 51       | 7/15/2011 03:01:18 | 14.65  | 50.83  | 33.36        | 7.84    | 7.94 | 5.6        | 2.66            | 94.8  |
| 52       | 7/15/2011 03:16:18 | 15.39  | 50.76  | 33.33        | 7.96    | 7.97 | 9.3        | 2.52            | 97.6  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 53       | 7/15/2011 03:31:18 | 15.86  | 50.70  | 33.29        | 7.80    | 7.97 | 7.7        | 2.38            | 96.6  |
| 54       | 7/15/2011 03:46:18 | 15.48  | 50.64  | 33.24        | 7.60    | 7.94 | 6.8        | 2.25            | 93.2  |
| 55       | 7/15/2011 04:01:18 | 15.77  | 50.75  | 33.33        | 7.70    | 7.96 | 8.4        | 2.09            | 95.1  |
| 56       | 7/15/2011 04:16:18 | 15.99  | 50.69  | 33.29        | 7.70    | 7.97 | 8.1        | 1.95            | 95.6  |
| 57       | 7/15/2011 04:31:18 | 16.07  | 50.68  | 33.29        | 7.60    | 7.96 | 8.5        | 1.79            | 94.4  |
| 58       | 7/15/2011 04:46:18 | 16.43  | 50.54  | 33.18        | 7.61    | 7.98 | 8.6        | 1.65            | 95.1  |
| 59       | 7/15/2011 05:01:18 | 16.62  | 50.71  | 33.31        | 7.62    | 7.98 | 9.1        | 1.49            | 95.7  |
| 60       | 7/15/2011 05:16:18 | 16.89  | 50.63  | 33.26        | 7.61    | 7.99 | 7.7        | 1.34            | 96.0  |
| 61       | 7/15/2011 05:31:18 | 17.24  | 50.58  | 33.22        | 7.63    | 8.00 | 7.4        | 1.19            | 96.9  |
| 62       | 7/15/2011 05:46:18 | 17.35  | 50.63  | 33.26        | 7.60    | 8.00 | 7.4        | 1.07            | 96.8  |
| 63       | 7/15/2011 06:01:18 | 17.55  | 50.63  | 33.26        | 7.41    | 7.99 | 6.2        | 0.96            | 94.7  |
| 64       | 7/15/2011 06:16:18 | 17.54  | 50.61  | 33.25        | 7.34    | 7.98 | 7.3        | 0.87            | 93.7  |
| 65       | 7/15/2011 06:31:18 | 17.65  | 50.61  | 33.25        | 7.14    | 7.97 | 16.8       | 0.83            | 91.4  |
| 66       | 7/15/2011 06:46:18 | 17.58  | 50.58  | 33.23        | 7.43    | 7.98 | 4.4        | 0.83            | 95.0  |
| 67       | 7/15/2011 07:01:18 | 17.81  | 50.52  | 33.19        | 7.34    | 7.99 | 3.7        | 0.87            | 94.2  |
| 68       | 7/15/2011 07:16:18 | 18.05  | 50.56  | 33.21        | 7.36    | 8.00 | 3.6        | 0.94            | 95.0  |
| 69       | 7/15/2011 07:31:18 | 18.14  | 50.60  | 33.25        | 7.47    | 8.01 | 4.3        | 1.03            | 96.6  |
| 70       | 7/15/2011 07:46:18 | 18.16  | 50.65  | 33.28        | 7.51    | 8.01 | 4.2        | 1.11            | 97.2  |
| 71       | 7/15/2011 08:01:18 | 18.11  | 50.56  | 33.22        | 7.47    | 8.00 | 5.2        | 1.20            | 96.4  |
| 72       | 7/15/2011 08:16:18 | 18.14  | 50.26  | 32.99        | 7.11    | 7.95 | 7.9        | 1.28            | 91.7  |
| 73       | 7/15/2011 08:31:18 | 18.05  | 50.33  | 33.05        | 7.10    | 7.96 | 5.8        | 1.35            | 91.5  |
| 74       | 7/15/2011 08:46:18 | 17.93  | 50.39  | 33.09        | 7.18    | 7.96 | 5.2        | 1.44            | 92.3  |
| 75       | 7/15/2011 09:01:18 | 17.79  | 50.48  | 33.16        | 7.32    | 7.97 | 4.8        | 1.54            | 93.9  |
| 76       | 7/15/2011 09:16:18 | 17.65  | 50.52  | 33.19        | 7.38    | 7.97 | 4.9        | 1.63            | 94.4  |
| 77       | 7/15/2011 09:31:18 | 17.55  | 50.54  | 33.20        | 7.39    | 7.97 | 4.9        | 1.73            | 94.5  |
| 78       | 7/15/2011 09:46:18 | 17.28  | 50.56  | 33.21        | 7.46    | 7.96 | 4.9        | 1.84            | 94.8  |
| 79       | 7/15/2011 10:01:18 | 17.10  | 50.52  | 33.18        | 7.56    | 7.96 | 5.1        | 1.95            | 95.7  |
| 80       | 7/15/2011 10:16:18 | 16.87  | 50.61  | 33.25        | 7.62    | 7.95 | 6.3        | 2.06            | 96.1  |
| 81       | 7/15/2011 10:31:18 | 16.76  | 50.62  | 33.25        | 7.67    | 7.95 | 7.0        | 2.17            | 96.6  |
| 82       | 7/15/2011 10:46:18 | 16.62  | 50.64  | 33.26        | 7.75    | 7.95 | 5.9        | 2.28            | 97.3  |
| 83       | 7/15/2011 11:01:18 | 16.39  | 50.64  | 33.26        | 7.77    | 7.95 | 5.4        | 2.37            | 97.1  |
| 84       | 7/15/2011 11:16:18 | 16.12  | 50.61  | 33.24        | 7.69    | 7.94 | 5.8        | 2.48            | 95.6  |
| 85       | 7/15/2011 11:31:18 | 15.83  | 50.54  | 33.18        | 7.73    | 7.93 | 5.6        | 2.57            | 95.5  |
| 86       | 7/15/2011 11:46:18 | 15.45  | 50.51  | 33.15        | 7.80    | 7.93 | 6.6        | 2.66            | 95.6  |
| 87       | 7/15/2011 12:01:18 | 15.17  | 50.70  | 33.28        | 7.75    | 7.92 | 6.5        | 2.74            | 94.6  |
| 88       | 7/15/2011 12:16:18 | 14.25  | 50.76  | 33.30        | 7.74    | 7.89 | 7.8        | 2.83            | 92.7  |
| 89       | 7/15/2011 12:31:18 | 13.65  | 50.77  | 33.29        | 7.85    | 7.89 | 9.0        | 2.90            | 92.9  |
| 90       | 7/15/2011 12:46:18 | 13.38  | 50.65  | 33.19        | 7.91    | 7.90 | 7.1        | 2.98            | 93.0  |
| 91       | 7/15/2011 13:01:18 | 13.19  | 50.80  | 33.29        | 7.94    | 7.89 | 6.4        | 3.04            | 93.1  |
| 92       | 7/15/2011 13:16:18 | 12.89  | 50.87  | 33.33        | 7.94    | 7.89 | 5.4        | 3.09            | 92.5  |
| 93       | 7/15/2011 13:31:18 | 12.64  | 50.85  | 33.31        | 8.01    | 7.89 | 4.2        | 3.14            | 92.9  |
| 94       | 7/15/2011 13:46:18 | 12.48  | 50.92  | 33.35        | 7.99    | 7.88 | 3.6        | 3.17            | 92.3  |
| 95       | 7/15/2011 14:01:18 | 13.17  | 50.80  | 33.29        | 8.23    | 7.92 | 3.5        | 3.17            | 96.4  |
| 96       | 7/15/2011 14:16:18 | 12.67  | 50.97  | 33.39        | 7.67    | 7.87 | 3.0        | 3.16            | 89.0  |
| 97       | 7/15/2011 14:31:19 | 12.69  | 50.89  | 33.33        | 7.81    | 7.88 | 4.2        | 3.11            | 90.7  |
| 98       | 7/15/2011 14:46:19 | 13.07  | 50.78  | 33.27        | 7.76    | 7.89 | 5.8        | 3.06            | 90.8  |
| 99       | 7/15/2011 15:01:18 | 14.34  | 50.68  | 33.24        | 8.09    | 7.94 | 5.6        | 2.97            | 97.1  |
| 100      | 7/15/2011 15:16:18 | 15.23  | 50.44  | 33.09        | 8.52    | 7.98 | 4.6        | 2.89            | 104.0 |
| 101      | 7/15/2011 15:31:18 | 15.54  | 50.67  | 33.27        | 8.92    | 8.00 | 3.7        | 2.81            | 109.7 |
| 102      | 7/15/2011 15:46:18 | 15.76  | 50.70  | 33.29        | 8.91    | 8.00 | 5.6        | 2.72            | 110.0 |
| 103      | 7/15/2011 16:01:18 | 16.25  | 50.57  | 33.20        | 8.90    | 8.01 | 5.3        | 2.64            | 110.8 |
| 104      | 7/15/2011 16:16:18 | 16.49  | 50.63  | 33.26        | 8.91    | 8.02 | 7.1        | 2.55            | 111.6 |
| 105      | 7/15/2011 16:31:18 | 16.94  | 50.58  | 33.22        | 9.27    | 8.05 | 4.2        | 2.47            | 117.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 106      | 7/15/2011 16:46:18 | 17.30  | 50.52           | 33.18        | 9.87            | 8.09 | 3.7               | 2.40            | 125.5 |
| 107      | 7/15/2011 17:01:18 | 17.59  | 50.53           | 33.19        | 10.26           | 8.11 | 3.4               | 2.33            | 131.2 |
| 108      | 7/15/2011 17:16:18 | 17.95  | 50.59           | 33.24        | 10.44           | 8.12 | 6.2               | 2.25            | 134.4 |
| 109      | 7/15/2011 17:31:18 | 18.47  | 50.44           | 33.13        | 10.49           | 8.13 | 3.7               | 2.18            | 136.3 |
| 110      | 7/15/2011 17:46:18 | 18.47  | 50.63           | 33.27        | 10.35           | 8.13 | 3.6               | 2.14            | 134.6 |
| 111      | 7/15/2011 18:01:18 | 18.67  | 50.55           | 33.21        | 9.97            | 8.11 | 2.9               | 2.09            | 130.1 |
| 112      | 7/15/2011 18:16:18 | 18.87  | 50.59           | 33.24        | 10.42           | 8.13 | 3.4               | 2.04            | 136.6 |
| 113      | 7/15/2011 18:31:18 | 18.89  | 50.58           | 33.24        | 9.76            | 8.11 | 2.7               | 2.03            | 127.9 |
| 114      | 7/15/2011 18:46:18 | 18.90  | 50.61           | 33.25        | 9.94            | 8.11 | 2.9               | 2.03            | 130.3 |
| 115      | 7/15/2011 19:01:18 | 18.75  | 50.60           | 33.25        | 10.55           | 8.12 | 2.7               | 2.03            | 138.0 |
| 116      | 7/15/2011 19:16:18 | 18.70  | 50.59           | 33.24        | 10.41           | 8.11 | 2.6               | 2.06            | 135.9 |
| 117      | 7/15/2011 19:31:18 | 18.52  | 50.60           | 33.25        | 10.19           | 8.10 | 4.9               | 2.10            | 132.6 |
| 118      | 7/15/2011 19:46:18 | 18.57  | 50.61           | 33.26        | 9.93            | 8.09 | 3.8               | 2.16            | 129.4 |
| 119      | 7/15/2011 20:01:18 | 18.24  | 50.56           | 33.22        | 9.66            | 8.06 | 5.0               | 2.23            | 125.1 |
| 120      | 7/15/2011 20:16:18 | 18.61  | 50.51           | 33.18        | 9.38            | 8.05 | 5.7               | 2.30            | 122.2 |
| 121      | 7/15/2011 20:31:18 | 18.15  | 50.55           | 33.21        | 9.36            | 8.04 | 4.5               | 2.38            | 121.0 |
| 122      | 7/15/2011 20:46:18 | 17.71  | 50.61           | 33.25        | 9.38            | 8.03 | 4.2               | 2.46            | 120.3 |
| 123      | 7/15/2011 21:01:18 | 16.94  | 50.64           | 33.27        | 9.08            | 8.00 | 4.4               | 2.54            | 114.7 |
| 124      | 7/15/2011 21:16:18 | 16.26  | 50.68           | 33.29        | 8.68            | 7.97 | 9.1               | 2.62            | 108.2 |
| 125      | 7/15/2011 21:31:18 | 15.67  | 50.70           | 33.29        | 8.41            | 7.95 | 5.2               | 2.70            | 103.7 |
| 126      | 7/15/2011 21:46:19 | 15.46  | 50.69           | 33.28        | 8.35            | 7.94 | 4.6               | 2.79            | 102.5 |
| 127      | 7/15/2011 22:01:18 | 15.04  | 50.65           | 33.24        | 8.33            | 7.93 | 5.9               | 2.88            | 101.3 |
| 128      | 7/15/2011 22:16:18 | 14.42  | 50.76           | 33.30        | 8.19            | 7.91 | 6.1               | 2.97            | 98.5  |
| 129      | 7/15/2011 22:31:18 | 13.93  | 50.77           | 33.29        | 8.18            | 7.90 | 5.9               | 3.05            | 97.3  |
| 130      | 7/15/2011 22:46:18 | 13.29  | 50.80           | 33.29        | 8.29            | 7.90 | 6.6               | 3.15            | 97.4  |
| 131      | 7/15/2011 23:01:18 | 12.81  | 50.85           | 33.31        | 8.26            | 7.89 | 6.6               | 3.24            | 96.1  |
| 132      | 7/15/2011 23:16:18 | 12.52  | 50.90           | 33.34        | 8.22            | 7.88 | 5.3               | 3.33            | 95.0  |
| 133      | 7/15/2011 23:31:18 | 12.16  | 50.92           | 33.33        | 8.39            | 7.89 | 5.7               | 3.41            | 96.3  |
| 134      | 7/15/2011 23:46:18 | 11.82  | 50.97           | 33.35        | 8.51            | 7.89 | 4.9               | 3.49            | 97.0  |
| 135      | 7/16/2011 00:01:18 | 11.73  | 51.01           | 33.38        | 8.54            | 7.89 | 3.5               | 3.55            | 97.1  |
| 136      | 7/16/2011 00:16:19 | 11.66  | 51.01           | 33.37        | 8.67            | 7.89 | 3.7               | 3.60            | 98.5  |
| 137      | 7/16/2011 00:31:18 | 11.64  | 50.98           | 33.35        | 8.49            | 7.89 | 3.1               | 3.65            | 96.4  |
| 138      | 7/16/2011 00:46:18 | 11.61  | 50.84           | 33.25        | 8.28            | 7.88 | 2.6               | 3.67            | 93.9  |
| 139      | 7/16/2011 01:01:18 | 12.15  | 50.94           | 33.35        | 8.29            | 7.89 | 9.2               | 3.66            | 95.1  |
| 140      | 7/16/2011 01:16:18 | 11.76  | 50.99           | 33.36        | 8.27            | 7.89 | 2.0               | 3.64            | 94.1  |
| 141      | 7/16/2011 01:31:18 | 11.80  | 50.96           | 33.34        | 8.17            | 7.88 | 2.3               | 3.60            | 93.1  |
| 142      | 7/16/2011 01:46:18 | 12.57  | 51.09           | 33.48        | 8.02            | 7.90 | 4.6               | 3.53            | 93.0  |
| 143      | 7/16/2011 02:01:18 | 13.40  | 50.72           | 33.24        | 7.98            | 7.90 | 5.6               | 3.43            | 94.0  |
| 144      | 7/16/2011 02:16:18 | 13.59  | 50.83           | 33.33        | 7.94            | 7.91 | 3.8               | 3.34            | 93.9  |
| 145      | 7/16/2011 02:31:18 | 14.14  | 50.76           | 33.30        | 8.02            | 7.92 | 6.7               | 3.23            | 95.9  |
| 146      | 7/16/2011 02:46:18 | 14.19  | 50.75           | 33.29        | 7.98            | 7.92 | 4.3               | 3.11            | 95.5  |
| 147      | 7/16/2011 03:01:18 | 14.31  | 50.86           | 33.38        | 8.13            | 7.92 | 7.4               | 2.99            | 97.5  |
| 148      | 7/16/2011 03:16:19 | 14.43  | 50.86           | 33.38        | 8.03            | 7.92 | 4.5               | 2.86            | 96.6  |
| 149      | 7/16/2011 03:31:19 | 14.83  | 50.81           | 33.35        | 8.00            | 7.93 | 5.6               | 2.73            | 97.0  |
| 150      | 7/16/2011 03:46:18 | 15.96  | 50.56           | 33.19        | 8.04            | 7.97 | 8.5               | 2.60            | 99.6  |
| 151      | 7/16/2011 04:01:18 | 16.37  | 50.64           | 33.26        | 8.04            | 7.97 | 8.4               | 2.48            | 100.5 |
| 152      | 7/16/2011 04:16:18 | 16.14  | 50.57           | 33.20        | 7.76            | 7.95 | 5.7               | 2.34            | 96.4  |
| 153      | 7/16/2011 04:31:18 | 16.07  | 50.54           | 33.18        | 7.78            | 7.95 | 6.3               | 2.19            | 96.6  |
| 154      | 7/16/2011 04:46:18 | 16.12  | 50.68           | 33.28        | 7.83            | 7.94 | 8.9               | 2.05            | 97.4  |
| 155      | 7/16/2011 05:01:18 | 16.36  | 50.69           | 33.30        | 7.85            | 7.95 | 8.9               | 1.91            | 98.1  |
| 156      | 7/16/2011 05:16:18 | 16.57  | 50.73           | 33.33        | 7.82            | 7.95 | 9.6               | 1.76            | 98.1  |
| 157      | 7/16/2011 05:31:18 | 16.72  | 50.75           | 33.34        | 7.75            | 7.94 | 9.6               | 1.60            | 97.5  |
| 158      | 7/16/2011 05:46:18 | 17.05  | 50.70           | 33.31        | 7.72            | 7.95 | 8.6               | 1.46            | 97.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 159      | 7/16/2011 06:01:18 | 17.54  | 50.64  | 33.28        | 7.78    | 7.98 | 9.3               | 1.32            | 99.4  |
| 160      | 7/16/2011 06:16:18 | 17.69  | 50.62  | 33.26        | 7.80    | 7.98 | 8.4               | 1.19            | 100.0 |
| 161      | 7/16/2011 06:31:18 | 17.99  | 50.66  | 33.29        | 7.74    | 7.98 | 7.9               | 1.06            | 99.8  |
| 162      | 7/16/2011 06:46:18 | 18.05  | 50.68  | 33.30        | 7.67    | 7.97 | 7.2               | 0.97            | 98.9  |
| 163      | 7/16/2011 07:01:18 | 18.14  | 50.68  | 33.31        | 7.58    | 7.98 | 6.3               | 0.90            | 98.0  |
| 164      | 7/16/2011 07:16:18 | 18.66  | 50.59  | 33.24        | 7.61    | 7.98 | 6.2               | 0.86            | 99.3  |
| 165      | 7/16/2011 07:31:18 | 18.21  | 50.78  | 33.38        | 7.27    | 7.96 | 5.2               | 0.88            | 94.2  |
| 166      | 7/16/2011 07:46:18 | 18.69  | 50.65  | 33.29        | 7.65    | 7.98 | 4.0               | 0.93            | 99.9  |
| 167      | 7/16/2011 08:01:18 | 18.68  | 50.66  | 33.29        | 7.67    | 7.97 | 4.1               | 1.00            | 100.1 |
| 168      | 7/16/2011 08:16:18 | 18.74  | 50.65  | 33.29        | 7.58    | 7.97 | 5.0               | 1.09            | 99.1  |
| 169      | 7/16/2011 08:31:18 | 18.71  | 50.64  | 33.27        | 7.61    | 7.97 | 5.1               | 1.18            | 99.5  |
| 170      | 7/16/2011 08:46:18 | 18.83  | 50.40  | 33.10        | 7.32    | 7.94 | 7.6               | 1.26            | 95.7  |
| 171      | 7/16/2011 09:01:18 | 18.77  | 50.39  | 33.09        | 7.18    | 7.93 | 7.1               | 1.34            | 93.8  |
| 172      | 7/16/2011 09:16:18 | 18.61  | 50.41  | 33.11        | 7.23    | 7.92 | 6.1               | 1.43            | 94.2  |
| 173      | 7/16/2011 09:31:18 | 18.37  | 50.48  | 33.16        | 7.43    | 7.94 | 5.3               | 1.53            | 96.3  |
| 174      | 7/16/2011 09:46:18 | 18.16  | 50.54  | 33.20        | 7.46    | 7.94 | 5.1               | 1.61            | 96.5  |
| 175      | 7/16/2011 10:01:18 | 18.05  | 50.52  | 33.19        | 7.50    | 7.94 | 5.1               | 1.72            | 96.7  |
| 176      | 7/16/2011 10:16:18 | 17.77  | 50.60  | 33.25        | 7.52    | 7.93 | 5.2               | 1.81            | 96.5  |
| 177      | 7/16/2011 10:31:18 | 17.50  | 50.58  | 33.23        | 7.66    | 7.93 | 5.4               | 1.93            | 97.7  |
| 178      | 7/16/2011 10:46:18 | 17.32  | 50.64  | 33.27        | 7.71    | 7.93 | 6.0               | 2.04            | 98.2  |
| 179      | 7/16/2011 11:01:18 | 17.23  | 50.66  | 33.28        | 7.77    | 7.93 | 5.3               | 2.14            | 98.7  |
| 180      | 7/16/2011 11:16:18 | 17.05  | 50.67  | 33.29        | 7.85    | 7.93 | 5.5               | 2.25            | 99.4  |
| 181      | 7/16/2011 11:31:18 | 16.87  | 50.59  | 33.23        | 7.92    | 7.93 | 5.6               | 2.36            | 99.8  |
| 182      | 7/16/2011 11:46:18 | 16.55  | 50.65  | 33.27        | 7.87    | 7.92 | 6.8               | 2.46            | 98.6  |
| 183      | 7/16/2011 12:01:18 | 16.32  | 50.67  | 33.28        | 7.85    | 7.92 | 6.5               | 2.54            | 98.0  |
| 184      | 7/16/2011 12:16:18 | 15.84  | 50.54  | 33.17        | 7.95    | 7.91 | 7.0               | 2.64            | 98.2  |
| 185      | 7/16/2011 12:31:18 | 15.47  | 50.54  | 33.17        | 7.95    | 7.90 | 6.2               | 2.73            | 97.6  |
| 186      | 7/16/2011 12:46:18 | 14.65  | 50.75  | 33.30        | 7.83    | 7.88 | 7.1               | 2.81            | 94.6  |
| 187      | 7/16/2011 13:01:18 | 14.02  | 50.77  | 33.30        | 7.87    | 7.87 | 7.6               | 2.89            | 93.8  |
| 188      | 7/16/2011 13:16:18 | 13.55  | 50.79  | 33.30        | 7.86    | 7.87 | 6.2               | 2.97            | 92.9  |
| 189      | 7/16/2011 13:31:18 | 13.38  | 50.77  | 33.28        | 7.95    | 7.87 | 6.1               | 3.05            | 93.6  |
| 190      | 7/16/2011 13:46:18 | 13.14  | 50.86  | 33.34        | 7.99    | 7.87 | 4.9               | 3.11            | 93.7  |
| 191      | 7/16/2011 14:01:18 | 13.04  | 50.70  | 33.21        | 8.08    | 7.88 | 4.7               | 3.15            | 94.4  |
| 192      | 7/16/2011 14:16:18 | 12.96  | 50.81  | 33.29        | 8.08    | 7.88 | 4.2               | 3.20            | 94.3  |
| 193      | 7/16/2011 14:31:18 | 12.91  | 50.89  | 33.35        | 7.74    | 7.87 | 3.2               | 3.22            | 90.2  |
| 194      | 7/16/2011 14:46:18 | 13.18  | 50.79  | 33.29        | 7.78    | 7.87 | 3.0               | 3.21            | 91.2  |
| 195      | 7/16/2011 15:01:18 | 12.95  | 50.72  | 33.22        | 7.84    | 7.88 | 3.7               | 3.17            | 91.4  |
| 196      | 7/16/2011 15:16:18 | 12.94  | 50.91  | 33.36        | 7.81    | 7.87 | 4.7               | 3.13            | 91.1  |
| 197      | 7/16/2011 15:31:18 | 13.45  | 50.59  | 33.15        | 7.80    | 7.88 | 4.2               | 3.07            | 91.8  |
| 198      | 7/16/2011 15:46:18 | 14.13  | 50.72  | 33.26        | 8.03    | 7.90 | 4.3               | 2.98            | 95.9  |
| 199      | 7/16/2011 16:01:18 | 14.93  | 50.55  | 33.17        | 8.23    | 7.93 | 4.2               | 2.89            | 99.9  |
| 200      | 7/16/2011 16:16:18 | 15.84  | 50.70  | 33.29        | 8.93    | 8.00 | 4.5               | 2.80            | 110.4 |
| 201      | 7/16/2011 16:31:18 | 16.23  | 50.66  | 33.27        | 8.99    | 8.01 | 4.7               | 2.72            | 112.0 |
| 202      | 7/16/2011 16:46:18 | 16.69  | 50.61  | 33.24        | 9.07    | 8.03 | 4.9               | 2.63            | 114.0 |
| 203      | 7/16/2011 17:01:18 | 16.79  | 50.60  | 33.24        | 9.06    | 8.04 | 4.3               | 2.54            | 114.1 |
| 204      | 7/16/2011 17:16:18 | 17.28  | 50.54  | 33.20        | 9.20    | 8.05 | 4.0               | 2.47            | 117.0 |
| 205      | 7/16/2011 17:31:18 | 17.54  | 50.58  | 33.23        | 9.33    | 8.06 | 3.5               | 2.39            | 119.1 |
| 206      | 7/16/2011 17:46:18 | 17.64  | 50.59  | 33.23        | 9.54    | 8.07 | 3.3               | 2.31            | 122.1 |
| 207      | 7/16/2011 18:01:18 | 17.81  | 50.65  | 33.28        | 9.82    | 8.10 | 4.3               | 2.24            | 126.1 |
| 208      | 7/16/2011 18:16:18 | 18.05  | 50.62  | 33.26        | 9.73    | 8.10 | 4.3               | 2.18            | 125.5 |
| 209      | 7/16/2011 18:31:18 | 18.26  | 50.60  | 33.25        | 9.48    | 8.08 | 4.9               | 2.11            | 122.8 |
| 210      | 7/16/2011 18:46:18 | 18.46  | 50.49  | 33.17        | 9.33    | 8.08 | 4.4               | 2.06            | 121.3 |
| 211      | 7/16/2011 19:01:18 | 18.42  | 50.58  | 33.23        | 9.13    | 8.07 | 3.7               | 2.03            | 118.6 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 212      | 7/16/2011 19:16:18 | 18.66  | 50.55           | 33.21        | 8.41            | 8.04 | 3.4               | 2.00            | 109.7 |
| 213      | 7/16/2011 19:31:18 | 18.66  | 50.46           | 33.15        | 6.77            | 7.97 | 3.2               | 1.99            | 88.2  |
| 214      | 7/16/2011 19:46:18 | 18.53  | 50.67           | 33.30        | 9.58            | 8.08 | 3.4               | 2.00            | 124.8 |
| 215      | 7/16/2011 20:01:18 | 18.46  | 50.52           | 33.19        | 9.28            | 8.06 | 3.2               | 2.03            | 120.6 |
| 216      | 7/16/2011 20:16:18 | 18.37  | 50.59           | 33.24        | 9.11            | 8.04 | 3.5               | 2.07            | 118.2 |
| 217      | 7/16/2011 20:31:18 | 18.28  | 50.54           | 33.21        | 8.91            | 8.03 | 4.0               | 2.11            | 115.4 |
| 218      | 7/16/2011 20:46:18 | 18.09  | 50.58           | 33.23        | 8.88            | 8.02 | 4.2               | 2.19            | 114.6 |
| 219      | 7/16/2011 21:01:18 | 18.06  | 50.56           | 33.22        | 8.68            | 8.00 | 6.0               | 2.26            | 112.0 |
| 220      | 7/16/2011 21:16:18 | 17.77  | 50.51           | 33.18        | 8.81            | 8.00 | 5.0               | 2.35            | 113.0 |
| 221      | 7/16/2011 21:31:18 | 17.51  | 50.60           | 33.24        | 8.84            | 8.00 | 4.0               | 2.42            | 112.8 |
| 222      | 7/16/2011 21:46:18 | 17.01  | 50.63           | 33.26        | 8.76            | 7.98 | 3.9               | 2.50            | 110.8 |
| 223      | 7/16/2011 22:01:18 | 16.42  | 50.53           | 33.18        | 8.42            | 7.94 | 4.0               | 2.59            | 105.3 |
| 224      | 7/16/2011 22:16:18 | 16.04  | 50.68           | 33.28        | 8.22            | 7.93 | 3.8               | 2.66            | 102.1 |
| 225      | 7/16/2011 22:31:19 | 15.76  | 50.70           | 33.29        | 8.15            | 7.92 | 4.2               | 2.74            | 100.6 |
| 226      | 7/16/2011 22:46:18 | 15.26  | 50.72           | 33.29        | 8.11            | 7.91 | 4.1               | 2.83            | 99.1  |
| 227      | 7/16/2011 23:01:18 | 14.71  | 50.76           | 33.31        | 8.11            | 7.90 | 5.1               | 2.91            | 98.1  |
| 228      | 7/16/2011 23:16:18 | 14.22  | 50.63           | 33.20        | 8.12            | 7.89 | 4.6               | 2.99            | 97.2  |
| 229      | 7/16/2011 23:31:18 | 13.91  | 50.76           | 33.29        | 8.12            | 7.89 | 5.1               | 3.08            | 96.7  |
| 230      | 7/16/2011 23:46:18 | 13.28  | 50.89           | 33.36        | 8.31            | 7.89 | 5.6               | 3.16            | 97.6  |
| 231      | 7/17/2011 00:01:18 | 12.85  | 50.81           | 33.28        | 8.41            | 7.89 | 5.2               | 3.25            | 97.9  |
| 232      | 7/17/2011 00:16:19 | 12.55  | 50.92           | 33.35        | 8.49            | 7.90 | 4.5               | 3.33            | 98.3  |
| 233      | 7/17/2011 00:31:18 | 12.25  | 50.97           | 33.37        | 8.54            | 7.90 | 3.5               | 3.39            | 98.3  |
| 234      | 7/17/2011 00:46:18 | 12.06  | 50.98           | 33.37        | 8.55            | 7.90 | 3.5               | 3.46            | 98.0  |
| 235      | 7/17/2011 01:01:18 | 11.90  | 50.98           | 33.37        | 8.62            | 7.90 | 3.5               | 3.51            | 98.4  |
| 236      | 7/17/2011 01:16:19 | 11.84  | 50.99           | 33.37        | 8.63            | 7.90 | 3.3               | 3.55            | 98.4  |
| 237      | 7/17/2011 01:31:18 | 11.84  | 50.94           | 33.33        | 8.30            | 7.89 | 2.7               | 3.57            | 94.7  |
| 238      | 7/17/2011 01:46:18 | 12.46  | 50.89           | 33.32        | 7.80            | 7.87 | 2.5               | 3.57            | 90.1  |
| 239      | 7/17/2011 02:01:18 | 11.96  | 50.91           | 33.32        | 7.81            | 7.87 | 2.3               | 3.55            | 89.3  |
| 240      | 7/17/2011 02:16:18 | 11.93  | 50.93           | 33.33        | 8.05            | 7.87 | 2.2               | 3.52            | 91.9  |
| 241      | 7/17/2011 02:31:18 | 12.04  | 50.93           | 33.34        | 8.19            | 7.88 | 3.2               | 3.44            | 93.8  |
| 242      | 7/17/2011 02:46:18 | 13.78  | 50.80           | 33.31        | 7.78            | 7.89 | 4.8               | 3.35            | 92.3  |
| 243      | 7/17/2011 03:01:18 | 13.42  | 50.62           | 33.17        | 7.94            | 7.89 | 4.5               | 3.26            | 93.4  |
| 244      | 7/17/2011 03:16:18 | 14.33  | 50.65           | 33.22        | 7.64            | 7.90 | 6.5               | 3.16            | 91.7  |
| 245      | 7/17/2011 03:31:18 | 14.25  | 50.72           | 33.27        | 7.93            | 7.91 | 6.3               | 3.04            | 95.0  |
| 246      | 7/17/2011 03:46:18 | 14.71  | 50.54           | 33.15        | 7.62            | 7.89 | 5.1               | 2.92            | 92.1  |
| 247      | 7/17/2011 04:01:18 | 14.85  | 50.53           | 33.14        | 7.68            | 7.89 | 5.7               | 2.80            | 93.1  |
| 248      | 7/17/2011 04:16:18 | 15.43  | 50.57           | 33.19        | 7.63            | 7.92 | 7.1               | 2.68            | 93.5  |
| 249      | 7/17/2011 04:31:18 | 15.92  | 50.62           | 33.24        | 7.56            | 7.92 | 6.0               | 2.56            | 93.6  |
| 250      | 7/17/2011 04:46:18 | 16.43  | 50.62           | 33.25        | 7.46            | 7.93 | 6.2               | 2.43            | 93.3  |
| 251      | 7/17/2011 05:01:18 | 16.33  | 50.51           | 33.16        | 7.24            | 7.90 | 6.5               | 2.30            | 90.4  |
| 252      | 7/17/2011 05:16:18 | 16.34  | 50.63           | 33.25        | 7.38            | 7.91 | 7.3               | 2.17            | 92.2  |
| 253      | 7/17/2011 05:31:18 | 16.06  | 50.71           | 33.31        | 7.33            | 7.90 | 7.8               | 2.04            | 91.1  |
| 254      | 7/17/2011 05:46:18 | 16.34  | 50.65           | 33.27        | 7.35            | 7.91 | 8.9               | 1.91            | 91.8  |
| 255      | 7/17/2011 06:01:18 | 16.50  | 50.68           | 33.29        | 7.25            | 7.90 | 8.7               | 1.76            | 90.8  |
| 256      | 7/17/2011 06:16:18 | 16.55  | 50.48           | 33.14        | 7.13            | 7.89 | 8.5               | 1.62            | 89.4  |
| 257      | 7/17/2011 06:31:18 | 16.82  | 50.56           | 33.21        | 7.17            | 7.91 | 9.5               | 1.49            | 90.3  |
| 258      | 7/17/2011 06:46:18 | 17.14  | 50.56           | 33.21        | 7.20            | 7.92 | 6.8               | 1.36            | 91.2  |
| 259      | 7/17/2011 07:01:18 | 17.45  | 50.62           | 33.26        | 7.20            | 7.93 | 6.8               | 1.24            | 91.9  |
| 260      | 7/17/2011 07:16:18 | 17.68  | 50.58           | 33.23        | 7.16            | 7.93 | 7.4               | 1.14            | 91.7  |
| 261      | 7/17/2011 07:31:18 | 17.83  | 50.50           | 33.17        | 7.00            | 7.92 | 6.1               | 1.07            | 90.0  |
| 262      | 7/17/2011 07:46:18 | 17.84  | 50.56           | 33.22        | 6.95            | 7.92 | 5.8               | 1.02            | 89.2  |
| 263      | 7/17/2011 08:01:18 | 18.13  | 50.58           | 33.23        | 6.65            | 7.91 | 4.7               | 1.01            | 85.9  |
| 264      | 7/17/2011 08:16:18 | 18.08  | 50.54           | 33.20        | 6.94            | 7.92 | 4.6               | 1.03            | 89.6  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 265      | 7/17/2011 08:31:18 | 18.26  | 50.56  | 33.21        | 7.02    | 7.93 | 3.6               | 1.08            | 91.0  |
| 266      | 7/17/2011 08:46:18 | 18.22  | 50.51  | 33.18        | 7.02    | 7.93 | 4.1               | 1.17            | 90.8  |
| 267      | 7/17/2011 09:01:18 | 18.22  | 50.49  | 33.16        | 7.04    | 7.93 | 4.2               | 1.26            | 91.0  |
| 268      | 7/17/2011 09:16:18 | 18.17  | 50.55  | 33.21        | 6.98    | 7.91 | 5.3               | 1.33            | 90.2  |
| 269      | 7/17/2011 09:31:18 | 18.18  | 50.30  | 33.03        | 6.65    | 7.88 | 7.0               | 1.43            | 85.9  |
| 270      | 7/17/2011 09:46:18 | 18.15  | 50.19  | 32.95        | 6.58    | 7.87 | 7.3               | 1.52            | 84.9  |
| 271      | 7/17/2011 10:01:18 | 17.89  | 50.45  | 33.13        | 6.83    | 7.89 | 5.4               | 1.61            | 87.7  |
| 272      | 7/17/2011 10:16:18 | 17.76  | 50.50  | 33.17        | 6.92    | 7.89 | 4.8               | 1.69            | 88.7  |
| 273      | 7/17/2011 10:31:18 | 17.66  | 50.52  | 33.19        | 6.96    | 7.89 | 4.6               | 1.79            | 89.1  |
| 274      | 7/17/2011 10:46:18 | 17.50  | 50.55  | 33.21        | 6.99    | 7.89 | 4.8               | 1.89            | 89.2  |
| 275      | 7/17/2011 11:01:18 | 17.21  | 50.60  | 33.24        | 7.11    | 7.89 | 4.5               | 1.99            | 90.3  |
| 276      | 7/17/2011 11:16:18 | 17.05  | 50.61  | 33.25        | 7.20    | 7.89 | 4.6               | 2.09            | 91.1  |
| 277      | 7/17/2011 11:31:18 | 16.91  | 50.65  | 33.27        | 7.24    | 7.89 | 4.8               | 2.20            | 91.4  |
| 278      | 7/17/2011 11:46:18 | 16.73  | 50.66  | 33.28        | 7.34    | 7.89 | 5.2               | 2.30            | 92.4  |
| 279      | 7/17/2011 12:01:18 | 16.53  | 50.68  | 33.29        | 7.41    | 7.89 | 5.1               | 2.39            | 92.9  |
| 280      | 7/17/2011 12:16:18 | 16.28  | 50.61  | 33.23        | 7.41    | 7.89 | 5.6               | 2.50            | 92.4  |
| 281      | 7/17/2011 12:31:18 | 16.02  | 50.60  | 33.22        | 7.40    | 7.88 | 5.9               | 2.59            | 91.8  |
| 282      | 7/17/2011 12:46:18 | 15.58  | 50.40  | 33.07        | 7.54    | 7.88 | 7.4               | 2.68            | 92.6  |
| 283      | 7/17/2011 13:01:18 | 15.21  | 50.63  | 33.23        | 7.61    | 7.88 | 7.0               | 2.77            | 93.0  |
| 284      | 7/17/2011 13:16:18 | 14.58  | 50.75  | 33.30        | 7.67    | 7.87 | 7.3               | 2.85            | 92.5  |
| 285      | 7/17/2011 13:31:18 | 13.94  | 50.80  | 33.32        | 7.75    | 7.86 | 7.3               | 2.94            | 92.3  |
| 286      | 7/17/2011 13:46:18 | 13.46  | 50.84  | 33.33        | 7.90    | 7.87 | 7.5               | 3.02            | 93.2  |
| 287      | 7/17/2011 14:01:18 | 13.29  | 50.80  | 33.29        | 7.97    | 7.87 | 7.9               | 3.10            | 93.6  |
| 288      | 7/17/2011 14:16:18 | 13.23  | 50.77  | 33.27        | 8.01    | 7.88 | 4.9               | 3.16            | 94.0  |
| 289      | 7/17/2011 14:31:18 | 13.11  | 50.63  | 33.16        | 8.10    | 7.89 | 4.7               | 3.22            | 94.8  |
| 290      | 7/17/2011 14:46:18 | 12.99  | 50.51  | 33.07        | 8.24    | 7.90 | 3.7               | 3.26            | 96.1  |
| 291      | 7/17/2011 15:01:18 | 12.94  | 50.85  | 33.31        | 7.96    | 7.88 | 2.7               | 3.28            | 92.9  |
| 292      | 7/17/2011 15:16:18 | 13.44  | 50.83  | 33.33        | 7.92    | 7.89 | 2.8               | 3.28            | 93.4  |
| 293      | 7/17/2011 15:31:18 | 13.10  | 50.76  | 33.26        | 7.74    | 7.89 | 4.1               | 3.26            | 90.5  |
| 294      | 7/17/2011 15:46:18 | 13.10  | 50.80  | 33.29        | 7.80    | 7.87 | 4.3               | 3.21            | 91.3  |
| 295      | 7/17/2011 16:01:18 | 13.73  | 50.60  | 33.17        | 8.04    | 7.89 | 3.6               | 3.14            | 95.2  |
| 296      | 7/17/2011 16:16:18 | 14.61  | 50.88  | 33.40        | 8.05    | 7.92 | 4.3               | 3.06            | 97.2  |
| 297      | 7/17/2011 16:31:19 | 14.51  | 50.75  | 33.30        | 8.26    | 7.92 | 5.5               | 2.98            | 99.5  |
| 298      | 7/17/2011 16:46:18 | 14.87  | 50.69  | 33.26        | 8.08    | 7.92 | 4.8               | 2.88            | 98.0  |
| 299      | 7/17/2011 17:01:18 | 15.60  | 50.67  | 33.27        | 8.21    | 7.95 | 6.8               | 2.79            | 101.0 |
| 300      | 7/17/2011 17:16:18 | 15.70  | 50.74  | 33.32        | 8.15    | 7.94 | 4.1               | 2.70            | 100.6 |
| 301      | 7/17/2011 17:31:18 | 15.84  | 50.67  | 33.27        | 8.10    | 7.94 | 4.0               | 2.62            | 100.1 |
| 302      | 7/17/2011 17:46:18 | 16.33  | 50.47  | 33.14        | 8.01    | 7.94 | 4.0               | 2.53            | 99.9  |
| 303      | 7/17/2011 18:01:18 | 16.60  | 50.65  | 33.27        | 8.27    | 7.96 | 5.1               | 2.45            | 103.7 |
| 304      | 7/17/2011 18:16:18 | 16.53  | 50.68  | 33.29        | 9.32    | 8.02 | 4.3               | 2.37            | 116.8 |
| 305      | 7/17/2011 18:31:18 | 16.64  | 50.66  | 33.28        | 9.14    | 8.01 | 4.3               | 2.30            | 114.8 |
| 306      | 7/17/2011 18:46:18 | 16.82  | 50.65  | 33.27        | 9.13    | 8.01 | 4.8               | 2.22            | 115.1 |
| 307      | 7/17/2011 19:01:18 | 16.95  | 50.64  | 33.26        | 9.33    | 8.03 | 4.2               | 2.15            | 117.9 |
| 308      | 7/17/2011 19:16:18 | 17.07  | 50.66  | 33.28        | 9.10    | 8.02 | 3.6               | 2.10            | 115.2 |
| 309      | 7/17/2011 19:31:18 | 17.40  | 50.66  | 33.29        | 8.81    | 8.01 | 4.0               | 2.04            | 112.3 |
| 310      | 7/17/2011 19:46:18 | 17.52  | 50.61  | 33.25        | 8.80    | 8.01 | 3.5               | 2.00            | 112.4 |
| 311      | 7/17/2011 20:01:18 | 17.59  | 50.62  | 33.26        | 8.65    | 8.00 | 3.2               | 1.98            | 110.7 |
| 312      | 7/17/2011 20:16:18 | 17.81  | 50.63  | 33.27        | 8.59    | 8.00 | 3.3               | 1.97            | 110.3 |
| 313      | 7/17/2011 20:31:18 | 17.76  | 50.61  | 33.25        | 8.10    | 7.97 | 3.0               | 1.97            | 104.0 |
| 314      | 7/17/2011 20:46:18 | 17.77  | 50.63  | 33.27        | 8.52    | 7.99 | 3.2               | 2.01            | 109.3 |
| 315      | 7/17/2011 21:01:18 | 17.61  | 50.64  | 33.27        | 8.47    | 7.98 | 3.4               | 2.04            | 108.4 |
| 316      | 7/17/2011 21:16:18 | 17.61  | 50.63  | 33.27        | 8.18    | 7.96 | 4.0               | 2.10            | 104.7 |
| 317      | 7/17/2011 21:31:18 | 17.46  | 50.65  | 33.28        | 8.08    | 7.95 | 4.3               | 2.17            | 103.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 318      | 7/17/2011 21:46:18 | 17.42  | 50.53  | 33.19        | 7.97    | 7.94 | 6.2        | 2.25            | 101.6 |
| 319      | 7/17/2011 22:01:18 | 17.18  | 50.59  | 33.23        | 8.06    | 7.94 | 4.5        | 2.33            | 102.3 |
| 320      | 7/17/2011 22:16:18 | 16.99  | 50.61  | 33.24        | 8.09    | 7.94 | 4.3        | 2.40            | 102.3 |
| 321      | 7/17/2011 22:31:18 | 16.69  | 50.64  | 33.26        | 8.10    | 7.93 | 3.8        | 2.48            | 101.8 |
| 322      | 7/17/2011 22:46:18 | 16.09  | 50.69  | 33.29        | 8.00    | 7.91 | 5.7        | 2.56            | 99.5  |
| 323      | 7/17/2011 23:01:18 | 15.59  | 50.58  | 33.20        | 7.88    | 7.90 | 4.2        | 2.63            | 96.9  |
| 324      | 7/17/2011 23:16:18 | 15.36  | 50.40  | 33.07        | 7.86    | 7.90 | 4.0        | 2.71            | 96.2  |
| 325      | 7/17/2011 23:31:18 | 15.12  | 50.69  | 33.27        | 7.87    | 7.89 | 4.2        | 2.78            | 95.9  |
| 326      | 7/17/2011 23:46:18 | 14.86  | 50.69  | 33.26        | 7.93    | 7.89 | 4.4        | 2.86            | 96.2  |
| 327      | 7/18/2011 00:01:18 | 14.49  | 50.69  | 33.25        | 8.05    | 7.90 | 4.2        | 2.93            | 96.9  |
| 328      | 7/18/2011 00:16:18 | 14.22  | 50.72  | 33.27        | 8.17    | 7.90 | 4.5        | 3.02            | 97.8  |
| 329      | 7/18/2011 00:31:18 | 14.03  | 50.67  | 33.23        | 8.27    | 7.91 | 4.8        | 3.09            | 98.6  |
| 330      | 7/18/2011 00:46:18 | 13.68  | 50.67  | 33.21        | 8.51    | 7.92 | 4.7        | 3.16            | 100.7 |
| 331      | 7/18/2011 01:01:18 | 13.34  | 50.76  | 33.27        | 8.69    | 7.93 | 4.8        | 3.24            | 102.2 |
| 332      | 7/18/2011 01:16:18 | 13.03  | 50.75  | 33.24        | 8.88    | 7.93 | 4.5        | 3.30            | 103.7 |
| 333      | 7/18/2011 01:31:18 | 12.82  | 50.72  | 33.22        | 8.97    | 7.94 | 4.3        | 3.35            | 104.3 |
| 334      | 7/18/2011 01:46:18 | 12.83  | 50.68  | 33.19        | 8.89    | 7.94 | 3.3        | 3.40            | 103.4 |
| 335      | 7/18/2011 02:01:18 | 12.68  | 50.71  | 33.20        | 8.88    | 7.94 | 3.1        | 3.43            | 103.0 |
| 336      | 7/18/2011 02:16:19 | 12.62  | 50.78  | 33.25        | 8.24    | 7.91 | 2.6        | 3.45            | 95.4  |
| 337      | 7/18/2011 02:31:18 | 12.97  | 50.60  | 33.13        | 8.12    | 7.92 | 2.6        | 3.44            | 94.7  |
| 338      | 7/18/2011 02:46:18 | 12.82  | 50.79  | 33.27        | 7.88    | 7.88 | 2.4        | 3.42            | 91.6  |
| 339      | 7/18/2011 03:01:18 | 12.81  | 50.63  | 33.15        | 8.54    | 7.93 | 2.5        | 3.37            | 99.3  |
| 340      | 7/18/2011 03:16:18 | 13.53  | 50.30  | 32.94        | 8.23    | 7.91 | 3.4        | 3.31            | 97.0  |
| 341      | 7/18/2011 03:31:18 | 14.07  | 50.82  | 33.33        | 7.96    | 7.90 | 4.8        | 3.23            | 95.0  |
| 342      | 7/18/2011 03:46:18 | 13.83  | 50.66  | 33.21        | 8.10    | 7.90 | 4.5        | 3.13            | 96.1  |
| 343      | 7/18/2011 04:01:18 | 14.79  | 50.75  | 33.30        | 7.40    | 7.89 | 4.3        | 3.03            | 89.7  |
| 344      | 7/18/2011 04:16:18 | 14.75  | 50.68  | 33.25        | 7.66    | 7.90 | 4.6        | 2.94            | 92.7  |
| 345      | 7/18/2011 04:31:18 | 15.04  | 50.68  | 33.26        | 7.45    | 7.88 | 4.5        | 2.82            | 90.6  |
| 346      | 7/18/2011 04:46:18 | 15.22  | 50.66  | 33.25        | 7.33    | 7.88 | 4.2        | 2.71            | 89.5  |
| 347      | 7/18/2011 05:01:18 | 15.75  | 50.46  | 33.11        | 7.07    | 7.87 | 4.0        | 2.61            | 87.1  |
| 348      | 7/18/2011 05:16:18 | 15.91  | 50.57  | 33.20        | 7.02    | 7.87 | 4.3        | 2.50            | 86.8  |
| 349      | 7/18/2011 05:31:18 | 16.07  | 50.57  | 33.20        | 7.07    | 7.88 | 4.5        | 2.38            | 87.7  |
| 350      | 7/18/2011 05:46:18 | 16.15  | 50.32  | 33.02        | 7.06    | 7.88 | 6.1        | 2.26            | 87.8  |
| 351      | 7/18/2011 06:01:18 | 15.58  | 50.66  | 33.26        | 7.12    | 7.86 | 6.1        | 2.14            | 87.6  |
| 352      | 7/18/2011 06:16:18 | 15.59  | 50.63  | 33.24        | 7.13    | 7.86 | 6.2        | 2.01            | 87.7  |
| 353      | 7/18/2011 06:31:18 | 15.76  | 50.68  | 33.28        | 7.13    | 7.86 | 7.4        | 1.89            | 88.0  |
| 354      | 7/18/2011 06:46:18 | 15.92  | 50.70  | 33.30        | 7.02    | 7.86 | 6.9        | 1.77            | 87.0  |
| 355      | 7/18/2011 07:01:18 | 16.00  | 50.64  | 33.25        | 6.98    | 7.85 | 6.8        | 1.63            | 86.5  |
| 356      | 7/18/2011 07:16:18 | 16.19  | 50.63  | 33.25        | 7.00    | 7.86 | 7.6        | 1.52            | 87.2  |
| 357      | 7/18/2011 07:31:18 | 16.51  | 50.68  | 33.29        | 7.04    | 7.87 | 6.3        | 1.43            | 88.2  |
| 358      | 7/18/2011 07:46:18 | 16.75  | 50.66  | 33.27        | 7.07    | 7.88 | 6.1        | 1.33            | 88.9  |
| 359      | 7/18/2011 08:01:18 | 17.03  | 50.61  | 33.25        | 7.05    | 7.89 | 5.4        | 1.25            | 89.2  |
| 360      | 7/18/2011 08:16:18 | 17.25  | 50.61  | 33.24        | 6.94    | 7.89 | 4.3        | 1.22            | 88.1  |
| 361      | 7/18/2011 08:31:18 | 17.36  | 50.58  | 33.23        | 7.05    | 7.89 | 4.4        | 1.20            | 89.8  |
| 362      | 7/18/2011 08:46:18 | 17.24  | 50.63  | 33.26        | 6.86    | 7.88 | 4.2        | 1.20            | 87.2  |
| 363      | 7/18/2011 09:01:18 | 17.54  | 50.61  | 33.25        | 6.90    | 7.89 | 3.3        | 1.24            | 88.1  |
| 364      | 7/18/2011 09:16:18 | 17.40  | 50.60  | 33.24        | 6.98    | 7.89 | 3.4        | 1.29            | 88.9  |
| 365      | 7/18/2011 09:31:18 | 17.49  | 50.62  | 33.26        | 6.92    | 7.89 | 4.2        | 1.37            | 88.3  |
| 366      | 7/18/2011 09:46:18 | 17.46  | 50.28  | 33.01        | 6.95    | 7.89 | 4.1        | 1.44            | 88.5  |
| 367      | 7/18/2011 10:01:18 | 17.45  | 50.29  | 33.01        | 6.66    | 7.85 | 6.7        | 1.53            | 84.9  |
| 368      | 7/18/2011 10:16:18 | 17.43  | 50.22  | 32.96        | 6.50    | 7.83 | 7.3        | 1.63            | 82.7  |
| 369      | 7/18/2011 10:31:18 | 17.24  | 50.24  | 32.98        | 6.60    | 7.84 | 5.7        | 1.71            | 83.7  |
| 370      | 7/18/2011 10:46:18 | 17.07  | 50.48  | 33.15        | 6.75    | 7.86 | 4.5        | 1.80            | 85.4  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 371      | 7/18/2011 11:01:18 | 17.01  | 50.41           | 33.10        | 6.78            | 7.85 | 4.5               | 1.88            | 85.7  |
| 372      | 7/18/2011 11:16:18 | 16.90  | 50.37           | 33.07        | 6.80            | 7.85 | 4.5               | 1.98            | 85.7  |
| 373      | 7/18/2011 11:31:18 | 16.57  | 50.56           | 33.20        | 6.94            | 7.86 | 4.8               | 2.07            | 87.0  |
| 374      | 7/18/2011 11:46:18 | 16.41  | 50.53           | 33.18        | 7.00            | 7.86 | 4.5               | 2.16            | 87.4  |
| 375      | 7/18/2011 12:01:18 | 16.29  | 50.54           | 33.18        | 7.07            | 7.86 | 4.6               | 2.27            | 88.1  |
| 376      | 7/18/2011 12:16:18 | 16.19  | 50.55           | 33.19        | 7.14            | 7.86 | 5.1               | 2.36            | 88.9  |
| 377      | 7/18/2011 12:31:18 | 16.01  | 50.55           | 33.19        | 7.21            | 7.86 | 5.3               | 2.46            | 89.4  |
| 378      | 7/18/2011 12:46:18 | 15.84  | 50.30           | 33.00        | 7.28            | 7.86 | 4.7               | 2.54            | 89.9  |
| 379      | 7/18/2011 13:01:18 | 15.63  | 50.51           | 33.15        | 7.29            | 7.86 | 5.1               | 2.63            | 89.7  |
| 380      | 7/18/2011 13:16:18 | 15.39  | 50.53           | 33.16        | 7.36            | 7.86 | 5.7               | 2.72            | 90.2  |
| 381      | 7/18/2011 13:31:18 | 15.00  | 50.47           | 33.11        | 7.57            | 7.87 | 7.1               | 2.80            | 91.9  |
| 382      | 7/18/2011 13:46:18 | 14.64  | 50.57           | 33.17        | 7.67            | 7.87 | 6.3               | 2.89            | 92.6  |
| 383      | 7/18/2011 14:01:18 | 13.97  | 50.56           | 33.14        | 7.88            | 7.87 | 8.9               | 2.97            | 93.8  |
| 384      | 7/18/2011 14:16:18 | 13.40  | 50.63           | 33.17        | 8.13            | 7.88 | 8.1               | 3.05            | 95.6  |
| 385      | 7/18/2011 14:31:18 | 13.13  | 50.67           | 33.19        | 8.35            | 7.89 | 7.1               | 3.13            | 97.8  |
| 386      | 7/18/2011 14:46:18 | 13.02  | 50.59           | 33.13        | 8.47            | 7.90 | 5.7               | 3.20            | 98.8  |
| 387      | 7/18/2011 15:01:18 | 12.94  | 50.67           | 33.18        | 8.51            | 7.91 | 4.2               | 3.26            | 99.1  |
| 388      | 7/18/2011 15:16:18 | 12.86  | 50.60           | 33.13        | 8.67            | 7.91 | 4.5               | 3.30            | 100.8 |
| 389      | 7/18/2011 15:31:18 | 12.83  | 50.62           | 33.15        | 8.08            | 7.90 | 2.7               | 3.33            | 94.0  |
| 390      | 7/18/2011 15:46:18 | 13.31  | 50.63           | 33.17        | 8.53            | 7.92 | 3.3               | 3.33            | 100.2 |
| 391      | 7/18/2011 16:01:18 | 12.96  | 50.61           | 33.15        | 8.42            | 7.91 | 6.0               | 3.31            | 98.2  |
| 392      | 7/18/2011 16:16:18 | 12.85  | 50.63           | 33.15        | 8.69            | 7.92 | 4.3               | 3.27            | 101.1 |
| 393      | 7/18/2011 16:31:18 | 13.11  | 50.42           | 33.01        | 8.58            | 7.92 | 4.5               | 3.21            | 100.3 |
| 394      | 7/18/2011 16:46:18 | 14.54  | 50.47           | 33.09        | 8.30            | 7.93 | 3.6               | 3.14            | 99.9  |
| 395      | 7/18/2011 17:01:18 | 14.21  | 50.45           | 33.07        | 8.71            | 7.93 | 4.4               | 3.04            | 104.1 |
| 396      | 7/18/2011 17:16:18 | 14.52  | 50.33           | 32.99        | 8.50            | 7.93 | 4.8               | 2.96            | 102.1 |
| 397      | 7/18/2011 17:31:18 | 15.21  | 50.38           | 33.05        | 8.45            | 7.94 | 6.3               | 2.86            | 103.0 |
| 398      | 7/18/2011 17:46:18 | 15.46  | 50.38           | 33.05        | 8.20            | 7.93 | 5.2               | 2.76            | 100.5 |
| 399      | 7/18/2011 18:01:18 | 15.65  | 50.15           | 32.89        | 8.35            | 7.94 | 4.1               | 2.68            | 102.6 |
| 400      | 7/18/2011 18:16:18 | 15.98  | 50.27           | 32.98        | 8.24            | 7.94 | 3.7               | 2.61            | 102.0 |
| 401      | 7/18/2011 18:31:18 | 16.35  | 50.16           | 32.90        | 8.46            | 7.96 | 3.8               | 2.52            | 105.4 |
| 402      | 7/18/2011 18:46:18 | 16.12  | 50.20           | 32.93        | 8.99            | 7.99 | 5.0               | 2.44            | 111.5 |
| 403      | 7/18/2011 19:01:18 | 16.09  | 50.33           | 33.03        | 9.13            | 7.99 | 4.3               | 2.37            | 113.2 |
| 404      | 7/18/2011 19:16:18 | 16.37  | 50.24           | 32.96        | 9.17            | 8.00 | 4.1               | 2.29            | 114.4 |
| 405      | 7/18/2011 19:31:18 | 16.37  | 50.16           | 32.91        | 8.76            | 7.97 | 4.6               | 2.21            | 109.3 |
| 406      | 7/18/2011 19:46:18 | 16.57  | 50.21           | 32.95        | 8.85            | 7.99 | 4.7               | 2.15            | 110.8 |
| 407      | 7/18/2011 20:01:18 | 16.64  | 49.76           | 32.62        | 8.47            | 7.96 | 3.8               | 2.10            | 106.0 |
| 408      | 7/18/2011 20:16:18 | 16.76  | 50.09           | 32.86        | 8.53            | 7.96 | 4.3               | 2.02            | 107.1 |
| 409      | 7/18/2011 20:31:18 | 16.82  | 48.75           | 31.88        | 8.40            | 7.95 | 3.3               | 2.00            | 104.9 |
| 410      | 7/18/2011 20:46:18 | 17.05  | 47.78           | 31.18        | 8.32            | 7.95 | 3.4               | 1.98            | 104.0 |
| 411      | 7/18/2011 21:01:18 | 17.30  | 49.93           | 32.75        | 7.94            | 7.94 | 5.0               | 1.97            | 100.6 |
| 412      | 7/18/2011 21:16:18 | 17.04  | 48.08           | 31.39        | 7.97            | 7.93 | 3.5               | 1.98            | 99.7  |
| 413      | 7/18/2011 21:31:18 | 17.11  | 50.12           | 32.88        | 8.04            | 7.94 | 3.4               | 2.00            | 101.6 |
| 414      | 7/18/2011 21:46:18 | 17.05  | 49.98           | 32.78        | 8.06            | 7.93 | 3.3               | 2.04            | 101.7 |
| 415      | 7/18/2011 22:01:18 | 17.12  |                 |              | 8.27            | 7.92 | 3.6               | 2.11            | 100.4 |
| 416      | 7/18/2011 22:16:18 | 17.05  | 49.92           | 32.74        | 7.87            | 7.91 | 3.8               | 2.16            | 99.4  |
| 417      | 7/18/2011 22:31:18 | 17.00  | 49.89           | 32.72        | 7.79            | 7.90 | 5.1               | 2.23            | 98.2  |
| 418      | 7/18/2011 22:46:18 | 16.92  |                 |              | 8.27            | 7.90 | 4.6               | 2.33            | 97.4  |
| 419      | 7/18/2011 23:01:18 | 16.72  | 47.89           | 31.26        | 7.96            | 7.91 | 4.0               | 2.38            | 99.0  |
| 420      | 7/18/2011 23:16:18 | 16.51  | 49.77           | 32.62        | 7.91            | 7.91 | 3.7               | 2.45            | 98.8  |
| 421      | 7/18/2011 23:31:18 | 16.23  | 49.29           | 32.27        | 7.92            | 7.90 | 3.7               | 2.51            | 98.1  |
| 422      | 7/18/2011 23:46:18 | 15.66  | 50.07           | 32.83        | 7.79            | 7.88 | 3.5               | 2.59            | 95.7  |
| 423      | 7/19/2011 00:01:18 | 15.43  |                 |              | 8.15            | 7.88 | 3.5               | 2.67            | 94.4  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|------|
| 424      | 7/19/2011 00:16:18 | 15.29  |                 |              | 7.77            | 7.88 | 3.5               | 2.73            | 93.6 |
| 425      | 7/19/2011 00:31:18 | 15.05  |                 |              | 8.27            | 7.88 | 3.8               | 2.81            | 94.1 |
| 426      | 7/19/2011 00:46:18 | 14.92  | 50.57           | 33.18        | 7.76            | 7.88 | 3.5               | 2.86            | 94.2 |
| 427      | 7/19/2011 01:01:18 | 14.68  |                 |              | 7.99            | 7.88 | 3.7               | 2.94            | 94.8 |
| 428      | 7/19/2011 01:16:18 | 14.39  |                 |              | 8.88            | 7.89 | 3.4               | 3.04            | 95.7 |
| 429      | 7/19/2011 01:31:18 | 14.23  | 50.01           | 32.75        | 8.07            | 7.89 | 3.2               | 3.06            | 96.3 |
| 430      | 7/19/2011 01:46:18 | 14.04  | 50.32           | 32.97        | 8.11            | 7.89 | 3.8               | 3.12            | 96.6 |
| 431      | 7/19/2011 02:01:18 | 13.74  | 50.20           | 32.87        | 8.34            | 7.90 | 3.4               | 3.17            | 98.6 |
| 432      | 7/19/2011 02:16:18 | 13.59  |                 |              | 9.14            | 7.91 | 3.2               | 3.26            | 97.8 |
| 433      | 7/19/2011 02:31:18 | 13.44  |                 |              | 9.05            | 7.91 | 3.2               | 3.29            | 98.4 |
| 434      | 7/19/2011 02:46:18 | 13.43  |                 |              | 8.21            | 7.88 | 2.4               | 3.30            | 89.5 |
| 435      | 7/19/2011 03:01:18 | 13.71  |                 |              | 8.07            | 7.90 | 2.7               | 3.30            | 94.1 |
| 436      | 7/19/2011 03:16:18 | 13.59  |                 |              | 7.52            | 7.87 | 2.1               | 3.30            | 86.0 |
| 437      | 7/19/2011 03:31:18 | 13.39  |                 |              | 9.13            | 7.92 | 3.0               | 3.28            | 99.5 |
| 438      | 7/19/2011 03:46:18 | 13.60  |                 |              | 8.66            | 7.91 | 3.0               | 3.23            | 98.0 |
| 439      | 7/19/2011 04:01:18 | 14.23  |                 |              | 8.19            | 7.89 | 3.7               | 3.16            | 94.4 |
| 440      | 7/19/2011 04:16:18 | 14.56  | 49.03           | 32.04        | 7.70            | 7.88 | 3.8               | 3.09            | 92.1 |
| 441      | 7/19/2011 04:31:18 | 14.55  | 47.89           | 31.21        | 7.74            | 7.88 | 3.9               | 3.00            | 92.1 |
| 442      | 7/19/2011 04:46:18 | 14.88  |                 |              | 7.88            | 7.87 | 4.3               | 2.91            | 90.7 |
| 443      | 7/19/2011 05:01:18 | 15.16  |                 |              | 8.15            | 7.86 | 4.1               | 2.85            | 88.3 |
| 444      | 7/19/2011 05:16:18 | 15.32  | 50.38           | 33.05        | 7.12            | 7.85 | 4.1               | 2.72            | 87.0 |
| 445      | 7/19/2011 05:31:18 | 15.57  | 49.55           | 32.45        | 6.91            | 7.83 | 4.3               | 2.62            | 84.6 |
| 446      | 7/19/2011 05:46:18 | 15.80  |                 |              | 7.38            | 7.82 | 4.5               | 2.55            | 81.7 |
| 447      | 7/19/2011 06:01:18 | 15.87  |                 |              | 7.26            | 7.83 | 4.9               | 2.43            | 83.1 |
| 448      | 7/19/2011 06:16:18 | 15.40  |                 |              | 7.44            | 7.81 | 4.4               | 2.34            | 81.1 |
| 449      | 7/19/2011 06:31:18 | 15.63  |                 |              | 6.82            | 7.81 | 4.8               | 2.21            | 81.9 |
| 450      | 7/19/2011 06:46:18 | 15.53  |                 |              | 6.66            | 7.79 | 4.8               | 2.08            | 79.8 |
| 451      | 7/19/2011 07:01:18 | 15.83  |                 |              | 7.51            | 7.81 | 5.5               | 1.99            | 82.1 |
| 452      | 7/19/2011 07:16:18 | 15.81  |                 |              | 7.60            | 7.82 | 5.1               | 1.89            | 83.1 |
| 453      | 7/19/2011 07:31:18 | 15.92  |                 |              | 7.71            | 7.83 | 4.8               | 1.78            | 84.5 |
| 454      | 7/19/2011 07:46:18 | 16.13  |                 |              | 7.84            | 7.84 | 4.6               | 1.66            | 86.3 |
| 455      | 7/19/2011 08:01:18 | 16.37  |                 |              | 7.82            | 7.85 | 4.5               | 1.58            | 87.1 |
| 456      | 7/19/2011 08:16:18 | 16.48  |                 |              | 7.78            | 7.86 | 4.5               | 1.51            | 88.6 |
| 457      | 7/19/2011 08:31:18 | 16.54  |                 |              | 7.72            | 7.86 | 4.0               | 1.44            | 89.2 |
| 458      | 7/19/2011 08:46:18 | 16.79  |                 |              | 7.74            | 7.87 | 4.0               | 1.40            | 90.2 |
| 459      | 7/19/2011 09:01:18 | 16.79  |                 |              | 7.53            | 7.87 | 3.8               | 1.37            | 90.6 |
| 460      | 7/19/2011 09:16:18 | 16.63  |                 |              | 7.57            | 7.81 | 4.5               | 1.40            | 84.2 |
| 461      | 7/19/2011 09:31:18 | 17.11  |                 |              | 7.81            | 7.86 | 2.9               | 1.42            | 87.7 |
| 462      | 7/19/2011 09:46:18 | 17.03  |                 |              | 7.53            | 7.86 | 3.2               | 1.46            | 88.1 |
| 463      | 7/19/2011 10:01:18 | 17.13  |                 |              | 7.88            | 7.86 | 3.1               | 1.52            | 88.6 |
| 464      | 7/19/2011 10:16:18 | 17.10  |                 |              | 7.66            | 7.86 | 3.2               | 1.59            | 88.6 |
| 465      | 7/19/2011 10:31:18 | 17.11  |                 |              | 7.69            | 7.86 | 3.5               | 1.68            | 88.3 |
| 466      | 7/19/2011 10:46:18 | 17.21  |                 |              | 7.63            | 7.83 | 5.2               | 1.76            | 85.7 |
| 467      | 7/19/2011 11:01:18 | 17.13  | 50.24           | 32.97        | 6.69            | 7.83 | 4.2               | 1.81            | 84.7 |
| 468      | 7/19/2011 11:16:18 | 16.97  | 48.57           | 31.75        | 6.81            | 7.83 | 4.1               | 1.90            | 85.2 |
| 469      | 7/19/2011 11:31:18 | 16.84  |                 |              | 7.74            | 7.84 | 3.9               | 2.02            | 86.4 |
| 470      | 7/19/2011 11:46:18 | 16.77  |                 |              | 7.74            | 7.84 | 3.5               | 2.10            | 86.2 |
| 471      | 7/19/2011 12:01:18 | 16.59  |                 |              | 7.67            | 7.83 | 3.6               | 2.19            | 85.6 |
| 472      | 7/19/2011 12:16:18 | 16.29  | 49.06           | 32.10        | 7.04            | 7.84 | 3.7               | 2.25            | 87.2 |
| 473      | 7/19/2011 12:31:18 | 16.15  |                 |              | 7.96            | 7.84 | 3.9               | 2.38            | 87.6 |
| 474      | 7/19/2011 12:46:18 | 16.09  |                 |              | 7.96            | 7.84 | 4.5               | 2.47            | 87.7 |
| 475      | 7/19/2011 13:01:18 | 16.01  |                 |              | 7.83            | 7.85 | 3.9               | 2.54            | 88.6 |
| 476      | 7/19/2011 13:16:18 | 15.99  |                 |              | 8.03            | 7.85 | 4.2               | 2.64            | 89.3 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 477      | 7/19/2011 13:31:18 | 15.88  |                 |              | 7.83            | 7.86 | 4.4               | 2.71            | 90.9  |
| 478      | 7/19/2011 13:46:18 | 15.69  |                 |              | 8.12            | 7.86 | 4.0               | 2.80            | 91.5  |
| 479      | 7/19/2011 14:01:18 | 15.34  |                 |              | 8.24            | 7.86 | 4.9               | 2.88            | 92.7  |
| 480      | 7/19/2011 14:16:18 | 15.07  |                 |              | 8.29            | 7.87 | 5.1               | 2.95            | 94.8  |
| 481      | 7/19/2011 14:31:18 | 14.76  |                 |              | 8.55            | 7.88 | 4.8               | 3.03            | 95.9  |
| 482      | 7/19/2011 14:46:18 | 14.39  |                 |              | 8.77            | 7.89 | 5.2               | 3.11            | 97.4  |
| 483      | 7/19/2011 15:01:19 | 13.88  |                 |              | 9.61            | 7.91 | 6.3               | 3.20            | 101.2 |
| 484      | 7/19/2011 15:16:18 | 13.62  |                 |              | 9.66            | 7.92 | 4.2               | 3.26            | 103.3 |
| 485      | 7/19/2011 15:31:18 | 13.52  |                 |              | 9.96            | 7.93 | 3.8               | 3.32            | 104.1 |
| 486      | 7/19/2011 15:46:18 | 13.48  |                 |              | 9.86            | 7.92 | 3.2               | 3.36            | 103.1 |
| 487      | 7/19/2011 16:01:18 | 13.47  |                 |              | 8.65            | 7.89 | 2.6               | 3.36            | 96.6  |
| 488      | 7/19/2011 16:16:18 | 13.69  |                 |              | 9.19            | 7.92 | 2.9               | 3.38            | 99.3  |
| 489      | 7/19/2011 16:31:18 | 13.49  |                 |              | 9.91            | 7.94 | 2.9               | 3.36            | 104.8 |
| 490      | 7/19/2011 16:46:18 | 13.53  |                 |              | 10.07           | 7.93 | 4.4               | 3.33            | 105.4 |
| 491      | 7/19/2011 17:01:18 | 13.84  |                 |              | 10.06           | 7.94 | 4.8               | 3.28            | 106.0 |
| 492      | 7/19/2011 17:16:18 | 14.56  |                 |              | 9.86            | 7.94 | 5.6               | 3.21            | 105.6 |
| 493      | 7/19/2011 17:31:18 | 15.30  |                 |              | 9.76            | 7.94 | 6.0               | 3.13            | 106.0 |
| 494      | 7/19/2011 17:46:18 | 15.46  |                 |              | 9.70            | 7.95 | 6.2               | 3.04            | 105.7 |
| 495      | 7/19/2011 18:01:18 | 15.53  |                 |              | 9.57            | 7.94 | 6.0               | 2.96            | 104.6 |
| 496      | 7/19/2011 18:16:18 | 15.84  |                 |              | 9.87            | 7.97 | 6.7               | 2.86            | 108.5 |
| 497      | 7/19/2011 18:31:18 | 15.98  | 49.87           | 32.69        | 8.82            | 7.97 | 5.9               | 2.73            | 109.0 |
| 498      | 7/19/2011 18:46:18 | 16.15  |                 |              | 9.69            | 7.99 | 5.7               | 2.68            | 110.8 |
| 499      | 7/19/2011 19:01:18 | 16.31  |                 |              | 9.93            | 7.98 | 5.7               | 2.60            | 110.4 |
| 500      | 7/19/2011 19:16:18 | 16.38  |                 |              | 9.69            | 7.98 | 5.7               | 2.52            | 108.0 |
| 501      | 7/19/2011 19:31:18 | 16.48  |                 |              | 9.65            | 7.98 | 7.4               | 2.43            | 107.7 |
| 502      | 7/19/2011 19:46:18 | 16.86  |                 |              | 9.15            | 7.97 | 7.6               | 2.36            | 106.1 |
| 503      | 7/19/2011 20:01:18 | 16.95  |                 |              | 9.32            | 7.97 | 8.2               | 2.28            | 105.0 |
| 504      | 7/19/2011 20:16:18 | 16.93  |                 |              | 9.17            | 7.96 | 9.2               | 2.20            | 103.4 |
| 505      | 7/19/2011 20:31:18 | 16.79  |                 |              | 8.86            | 7.94 | 10.1              | 2.16            | 99.7  |
| 506      | 7/19/2011 20:46:18 | 16.94  |                 |              | 8.46            | 7.91 | 8.7               | 2.09            | 95.5  |
| 507      | 7/19/2011 21:01:18 | 17.13  |                 |              | 8.25            | 7.91 | 8.2               | 2.02            | 97.1  |
| 508      | 7/19/2011 21:16:18 | 17.16  |                 |              | 8.04            | 7.90 | 8.6               | 1.99            | 94.1  |
| 509      | 7/19/2011 21:31:18 | 17.30  |                 |              | 6.79            | 7.83 | 6.2               | 1.98            | 77.9  |
| 510      | 7/19/2011 21:46:18 | 17.67  |                 |              | 7.99            | 7.90 | 7.1               | 1.96            | 93.4  |
| 511      | 7/19/2011 22:01:18 | 17.81  |                 |              | 7.11            | 7.87 | 7.3               | 1.96            | 85.3  |
| 512      | 7/19/2011 22:16:18 | 17.61  | 49.27           | 32.27        | 5.76            | 7.77 | 6.8               | 1.98            | 73.2  |
| 513      | 7/19/2011 22:31:18 | 18.11  |                 |              | 7.83            | 7.89 | 6.7               | 2.03            | 94.1  |
| 514      | 7/19/2011 22:46:18 | 18.20  |                 |              | 8.21            | 7.91 | 8.1               | 2.08            | 99.9  |
| 515      | 7/19/2011 23:01:18 | 18.09  |                 |              | 8.12            | 7.89 | 6.7               | 2.13            | 98.6  |
| 516      | 7/19/2011 23:16:18 | 17.99  |                 |              | 8.18            | 7.89 | 6.7               | 2.20            | 98.2  |
| 517      | 7/19/2011 23:31:18 | 18.28  |                 |              | 7.96            | 7.84 | 5.4               | 2.28            | 92.9  |
| 518      | 7/19/2011 23:46:18 | 18.17  |                 |              | 7.93            | 7.86 | 4.5               | 2.34            | 92.4  |
| 519      | 7/20/2011 00:01:18 | 17.96  |                 |              | 8.05            | 7.88 | 3.8               | 2.41            | 93.4  |
| 520      | 7/20/2011 00:16:18 | 17.85  |                 |              | 7.22            | 7.87 | 3.8               | 2.44            | 91.4  |
| 521      | 7/20/2011 00:31:18 | 17.43  |                 |              | 7.49            | 7.87 | 3.5               | 2.51            | 93.5  |
| 522      | 7/20/2011 00:46:18 | 17.03  | 49.70           | 32.58        | 7.36            | 7.86 | 3.2               | 2.56            | 92.8  |
| 523      | 7/20/2011 01:01:18 | 16.69  |                 |              | 8.06            | 7.85 | 2.9               | 2.65            | 91.1  |
| 524      | 7/20/2011 01:16:18 | 16.21  |                 |              | 7.89            | 7.84 | 2.5               | 2.70            | 91.6  |
| 525      | 7/20/2011 01:31:18 | 15.98  |                 |              | 7.97            | 7.85 | 2.3               | 2.76            | 90.7  |
| 526      | 7/20/2011 01:46:18 | 15.93  |                 |              | 8.25            | 7.86 | 2.6               | 2.82            | 92.0  |
| 527      | 7/20/2011 02:01:18 | 15.87  |                 |              | 8.26            | 7.84 | 2.6               | 2.88            | 91.8  |
| 528      | 7/20/2011 02:16:18 | 15.57  |                 |              | 8.13            | 7.84 | 2.3               | 2.94            | 89.9  |
| 529      | 7/20/2011 02:31:18 | 15.22  |                 |              | 7.92            | 7.82 | 2.0               | 2.98            | 86.9  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|------|
| 530      | 7/20/2011 02:46:18 | 15.06  |                 |              | 8.44            | 7.81 | 2.4               | 3.04            | 92.3 |
| 531      | 7/20/2011 03:01:18 | 14.98  |                 |              | 8.30            | 7.79 | 2.7               | 3.08            | 90.7 |
| 532      | 7/20/2011 03:16:18 | 14.93  |                 |              | 8.01            | 7.77 | 2.6               | 3.10            | 87.8 |
| 533      | 7/20/2011 03:31:18 | 14.91  |                 |              | 6.16            | 7.68 | 3.7               | 3.13            | 67.2 |
| 534      | 7/20/2011 03:46:18 | 14.92  |                 |              | 4.41            | 7.61 | 5.0               | 3.12            | 50.6 |
| 535      | 7/20/2011 04:01:18 | 14.89  |                 |              | 3.83            | 7.60 | 4.9               | 3.11            | 44.4 |
| 536      | 7/20/2011 04:16:18 | 14.96  | 50.48           | 33.12        | 2.21            | 7.54 | 3.5               | 3.06            | 26.9 |
| 537      | 7/20/2011 04:31:18 | 14.90  |                 |              | 5.03            | 7.66 | 3.2               | 3.07            | 54.9 |
| 538      | 7/20/2011 04:46:18 | 15.01  |                 |              | 5.66            | 7.72 | 3.4               | 3.00            | 66.0 |
| 539      | 7/20/2011 05:01:18 | 15.22  |                 |              | 6.56            | 7.74 | 2.8               | 2.94            | 72.2 |
| 540      | 7/20/2011 05:16:18 | 15.51  | 50.54           | 33.17        | 6.12            | 7.77 | 2.7               | 2.84            | 75.2 |
| 541      | 7/20/2011 05:31:18 | 15.62  | 49.98           | 32.76        | 5.85            | 7.75 | 30.0              | 2.76            | 71.8 |
| 542      | 7/20/2011 05:46:18 | 15.71  | 50.46           | 33.12        | 6.07            | 7.77 | 2.9               | 2.67            | 74.8 |
| 543      | 7/20/2011 06:01:18 | 15.82  | 50.53           | 33.17        | 5.63            | 7.74 | 3.5               | 2.59            | 69.6 |
| 544      | 7/20/2011 06:16:18 | 15.83  |                 |              | 5.80            | 7.70 | 4.0               | 2.54            | 64.6 |
| 545      | 7/20/2011 06:31:19 | 15.88  | 50.53           | 33.17        | 5.38            | 7.71 | 4.2               | 2.42            | 66.5 |
| 546      | 7/20/2011 06:46:18 | 16.07  | 50.33           | 33.03        | 5.98            | 7.78 | 4.8               | 2.33            | 74.1 |
| 547      | 7/20/2011 07:01:18 | 16.34  | 50.37           | 33.06        | 6.40            | 7.81 | 6.5               | 2.24            | 79.8 |
| 548      | 7/20/2011 07:16:18 | 16.34  |                 |              | 7.05            | 7.80 | 5.9               | 2.18            | 79.5 |
| 549      | 7/20/2011 07:31:18 | 16.58  |                 |              | 6.91            | 7.80 | 14.3              | 2.08            | 78.4 |
| 550      | 7/20/2011 07:46:18 | 16.54  |                 |              | 6.98            | 7.81 | 5.0               | 1.98            | 79.2 |
| 551      | 7/20/2011 08:01:18 | 16.65  |                 |              | 6.98            | 7.81 | 4.4               | 1.90            | 79.3 |
| 552      | 7/20/2011 08:16:18 | 16.80  |                 |              | 6.68            | 7.80 | 4.6               | 1.80            | 77.8 |
| 553      | 7/20/2011 08:31:18 | 16.91  |                 |              | 6.33            | 7.80 | 4.3               | 1.72            | 78.5 |
| 554      | 7/20/2011 08:46:18 | 17.05  |                 |              | 6.45            | 7.79 | 4.0               | 1.67            | 75.2 |
| 555      | 7/20/2011 09:01:18 | 17.18  |                 |              | 6.32            | 7.78 | 4.1               | 1.63            | 72.7 |
| 556      | 7/20/2011 09:16:18 | 17.40  |                 |              | 6.65            | 7.81 | 3.7               | 1.61            | 76.8 |
| 557      | 7/20/2011 09:31:18 | 17.50  |                 |              | 6.44            | 7.80 | 3.8               | 1.58            | 76.7 |
| 558      | 7/20/2011 09:46:18 | 17.40  |                 |              | 5.24            | 7.76 | 4.0               | 1.58            | 64.3 |
| 559      | 7/20/2011 10:01:18 | 17.69  |                 |              | 6.70            | 7.81 | 4.2               | 1.61            | 77.9 |
| 560      | 7/20/2011 10:16:18 | 17.66  |                 |              | 6.50            | 7.84 | 4.2               | 1.64            | 80.7 |
| 561      | 7/20/2011 10:31:18 | 17.70  |                 |              | 7.08            | 7.84 | 4.1               | 1.71            | 82.4 |
| 562      | 7/20/2011 10:46:18 | 17.70  |                 |              | 6.68            | 7.83 | 3.8               | 1.74            | 81.5 |
| 563      | 7/20/2011 11:01:18 | 17.67  |                 |              | 6.97            | 7.83 | 3.7               | 1.83            | 81.2 |
| 564      | 7/20/2011 11:16:18 | 17.83  |                 |              | 6.93            | 7.81 | 4.0               | 1.90            | 81.0 |
| 565      | 7/20/2011 11:31:18 | 17.68  |                 |              | 6.71            | 7.81 | 3.9               | 1.96            | 79.8 |
| 566      | 7/20/2011 11:46:18 | 17.60  |                 |              | 6.79            | 7.80 | 3.7               | 2.04            | 79.0 |
| 567      | 7/20/2011 12:01:18 | 17.49  |                 |              | 6.63            | 7.80 | 3.0               | 2.11            | 78.9 |
| 568      | 7/20/2011 12:16:18 | 17.40  |                 |              | 7.01            | 7.81 | 3.2               | 2.20            | 81.3 |
| 569      | 7/20/2011 12:31:18 | 17.28  |                 |              | 7.13            | 7.82 | 3.0               | 2.27            | 82.5 |
| 570      | 7/20/2011 12:46:18 | 16.98  |                 |              | 7.37            | 7.84 | 2.8               | 2.35            | 84.8 |
| 571      | 7/20/2011 13:01:18 | 16.75  |                 |              | 7.73            | 7.84 | 2.7               | 2.43            | 88.6 |
| 572      | 7/20/2011 13:16:19 | 16.60  |                 |              | 7.73            | 7.85 | 2.7               | 2.51            | 88.4 |
| 573      | 7/20/2011 13:31:18 | 16.55  |                 |              | 7.84            | 7.85 | 2.6               | 2.60            | 89.6 |
| 574      | 7/20/2011 13:46:18 | 16.53  |                 |              | 7.99            | 7.86 | 2.6               | 2.67            | 91.1 |
| 575      | 7/20/2011 14:01:18 | 16.42  |                 |              | 8.05            | 7.86 | 2.3               | 2.76            | 91.6 |
| 576      | 7/20/2011 14:16:18 | 16.16  |                 |              | 7.91            | 7.87 | 2.4               | 2.83            | 92.3 |
| 577      | 7/20/2011 14:31:18 | 15.88  |                 |              | 8.17            | 7.86 | 2.3               | 2.92            | 91.9 |
| 578      | 7/20/2011 14:46:18 | 15.55  |                 |              | 8.33            | 7.87 | 2.2               | 3.00            | 92.9 |
| 579      | 7/20/2011 15:01:18 | 15.33  |                 |              | 8.45            | 7.88 | 2.1               | 3.07            | 94.1 |
| 580      | 7/20/2011 15:16:18 | 14.86  |                 |              | 8.53            | 7.87 | 1.8               | 3.14            | 94.5 |
| 581      | 7/20/2011 15:31:18 | 14.32  |                 |              | 8.23            | 7.86 | 2.0               | 3.19            | 92.6 |
| 582      | 7/20/2011 15:46:18 | 13.98  |                 |              | 8.03            | 7.82 | 2.0               | 3.26            | 87.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 583      | 7/20/2011 16:01:18 | 13.80  |                 |              | 7.68            | 7.79 | 1.7               | 3.31            | 83.3  |
| 584      | 7/20/2011 16:16:18 | 13.58  |                 |              | 7.23            | 7.79 | 1.6               | 3.34            | 77.5  |
| 585      | 7/20/2011 16:31:18 | 13.53  |                 |              | 5.98            | 7.73 | 1.5               | 3.35            | 66.2  |
| 586      | 7/20/2011 16:46:18 | 13.53  |                 |              | 5.84            | 7.74 | 2.0               | 3.37            | 62.6  |
| 587      | 7/20/2011 17:01:18 | 13.61  |                 |              | 5.99            | 7.72 | 2.4               | 3.35            | 64.5  |
| 588      | 7/20/2011 17:16:18 | 13.65  |                 |              | 6.46            | 7.74 | 2.3               | 3.32            | 69.5  |
| 589      | 7/20/2011 17:31:18 | 13.85  |                 |              | 8.40            | 7.86 | 5.8               | 3.27            | 90.7  |
| 590      | 7/20/2011 17:46:18 | 14.91  |                 |              | 8.42            | 7.88 | 5.0               | 3.21            | 93.1  |
| 591      | 7/20/2011 18:01:18 | 15.13  |                 |              | 8.48            | 7.88 | 5.1               | 3.13            | 94.1  |
| 592      | 7/20/2011 18:16:18 | 15.71  |                 |              | 8.99            | 7.92 | 3.8               | 3.05            | 101.1 |
| 593      | 7/20/2011 18:31:18 | 15.86  |                 |              | 9.12            | 7.93 | 4.1               | 2.97            | 102.9 |
| 594      | 7/20/2011 18:46:18 | 16.08  |                 |              | 9.08            | 7.93 | 3.8               | 2.88            | 103.0 |
| 595      | 7/20/2011 19:01:18 | 16.40  |                 |              | 9.28            | 7.95 | 3.3               | 2.80            | 105.9 |
| 596      | 7/20/2011 19:16:18 | 16.56  |                 |              | 9.23            | 7.96 | 3.4               | 2.72            | 105.7 |
| 597      | 7/20/2011 19:31:18 | 16.81  |                 |              | 8.60            | 7.97 | 3.6               | 2.61            | 108.1 |
| 598      | 7/20/2011 19:46:18 | 17.05  |                 |              | 9.60            | 7.99 | 4.0               | 2.56            | 111.0 |
| 599      | 7/20/2011 20:01:18 | 17.15  |                 |              | 9.69            | 7.99 | 3.8               | 2.48            | 112.5 |
| 600      | 7/20/2011 20:16:18 | 17.28  |                 |              | 9.26            | 7.97 | 3.2               | 2.40            | 107.8 |
| 601      | 7/20/2011 20:31:18 | 17.69  |                 |              | 9.02            | 7.97 | 3.5               | 2.33            | 106.0 |
| 602      | 7/20/2011 20:46:18 | 17.78  |                 |              | 9.10            | 7.98 | 4.0               | 2.25            | 107.0 |
| 603      | 7/20/2011 21:01:18 | 17.88  |                 |              | 8.52            | 7.96 | 3.7               | 2.18            | 102.8 |
| 604      | 7/20/2011 21:16:18 | 17.91  |                 |              | 8.45            | 7.93 | 3.2               | 2.12            | 99.8  |
| 605      | 7/20/2011 21:31:18 | 17.97  |                 |              | 8.35            | 7.93 | 3.0               | 2.06            | 98.8  |
| 606      | 7/20/2011 21:46:18 | 18.07  |                 |              | 8.06            | 7.92 | 2.6               | 2.01            | 95.6  |
| 607      | 7/20/2011 22:01:18 | 18.05  |                 |              | 7.54            | 7.89 | 2.6               | 1.96            | 89.3  |
| 608      | 7/20/2011 22:16:18 | 18.26  |                 |              | 7.39            | 7.89 | 2.3               | 1.96            | 87.9  |
| 609      | 7/20/2011 22:31:18 | 18.40  |                 |              | 6.91            | 7.87 | 2.2               | 1.94            | 82.5  |
| 610      | 7/20/2011 22:46:18 | 18.41  |                 |              | 5.35            | 7.79 | 2.5               | 1.93            | 64.0  |
| 611      | 7/20/2011 23:01:18 | 18.55  | 47.92           | 31.28        | 7.43            | 7.92 | 4.2               | 1.94            | 95.6  |
| 612      | 7/20/2011 23:16:18 | 18.55  | 50.24           | 32.99        | 7.88            | 7.93 | 3.6               | 1.97            | 102.5 |
| 613      | 7/20/2011 23:31:18 | 18.61  | 50.18           | 32.94        | 7.89            | 7.93 | 3.7               | 2.01            | 102.6 |
| 614      | 7/20/2011 23:46:18 | 18.59  |                 |              | 8.55            | 7.92 | 3.5               | 2.07            | 102.4 |
| 615      | 7/21/2011 00:01:18 | 18.54  |                 |              | 8.51            | 7.92 | 3.5               | 2.13            | 102.0 |
| 616      | 7/21/2011 00:16:18 | 18.68  |                 |              | 8.52            | 7.91 | 6.1               | 2.19            | 102.6 |
| 617      | 7/21/2011 00:31:18 | 18.66  |                 |              | 8.41            | 7.90 | 5.1               | 2.24            | 101.0 |
| 618      | 7/21/2011 00:46:18 | 18.63  |                 |              | 8.17            | 7.89 | 3.6               | 2.29            | 98.2  |
| 619      | 7/21/2011 01:01:18 | 18.54  |                 |              | 8.46            | 7.89 | 3.8               | 2.35            | 101.5 |
| 620      | 7/21/2011 01:16:18 | 18.41  |                 |              | 8.47            | 7.90 | 3.3               | 2.40            | 101.3 |
| 621      | 7/21/2011 01:31:18 | 17.99  |                 |              | 8.58            | 7.89 | 3.6               | 2.45            | 101.7 |
| 622      | 7/21/2011 01:46:18 | 17.70  |                 |              | 8.46            | 7.88 | 3.8               | 2.50            | 99.7  |
| 623      | 7/21/2011 02:01:18 | 17.42  |                 |              | 8.40            | 7.87 | 2.9               | 2.55            | 98.5  |
| 624      | 7/21/2011 02:16:18 | 17.19  |                 |              | 8.48            | 7.88 | 2.8               | 2.60            | 98.8  |
| 625      | 7/21/2011 02:31:18 | 16.82  |                 |              | 8.48            | 7.88 | 2.6               | 2.65            | 98.2  |
| 626      | 7/21/2011 02:46:18 | 16.63  |                 |              | 8.44            | 7.87 | 2.3               | 2.69            | 98.8  |
| 627      | 7/21/2011 03:01:18 | 16.54  |                 |              | 8.47            | 7.88 | 2.4               | 2.74            | 97.6  |
| 628      | 7/21/2011 03:16:18 | 16.50  |                 |              | 8.29            | 7.87 | 2.2               | 2.78            | 95.6  |
| 629      | 7/21/2011 03:31:18 | 16.33  |                 |              | 8.12            | 7.87 | 2.3               | 2.81            | 95.7  |
| 630      | 7/21/2011 03:46:18 | 16.21  |                 |              | 7.93            | 7.86 | 2.0               | 2.84            | 93.0  |
| 631      | 7/21/2011 04:01:18 | 16.06  |                 |              | 7.63            | 7.84 | 2.0               | 2.87            | 89.4  |
| 632      | 7/21/2011 04:16:18 | 15.92  |                 |              | 7.80            | 7.83 | 2.3               | 2.90            | 88.7  |
| 633      | 7/21/2011 04:31:18 | 15.89  |                 |              | 6.69            | 7.80 | 1.5               | 2.90            | 78.9  |
| 634      | 7/21/2011 04:46:18 | 15.89  |                 |              | 6.05            | 7.75 | 2.5               | 2.91            | 68.8  |
| 635      | 7/21/2011 05:01:18 | 15.94  |                 |              | 4.90            | 7.70 | 2.4               | 2.90            | 55.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|------|
| 636      | 7/21/2011 05:16:18 | 15.93  |                 |              | 5.43            | 7.70 | 2.6               | 2.87            | 61.8 |
| 637      | 7/21/2011 05:31:18 | 15.89  |                 |              | 6.72            | 7.76 | 2.4               | 2.83            | 76.3 |
| 638      | 7/21/2011 05:46:18 | 16.12  |                 |              | 6.71            | 7.78 | 2.3               | 2.78            | 76.6 |
| 639      | 7/21/2011 06:01:18 | 16.50  |                 |              | 6.34            | 7.76 | 2.7               | 2.72            | 72.8 |
| 640      | 7/21/2011 06:16:18 | 16.58  |                 |              | 6.29            | 7.77 | 3.5               | 2.65            | 72.3 |
| 641      | 7/21/2011 06:31:18 | 16.59  |                 |              | 6.28            | 7.74 | 3.5               | 2.57            | 72.7 |
| 642      | 7/21/2011 06:46:18 | 16.65  |                 |              | 6.60            | 7.77 | 3.7               | 2.50            | 76.3 |
| 643      | 7/21/2011 07:01:18 | 16.69  |                 |              | 6.49            | 7.79 | 3.2               | 2.41            | 79.5 |
| 644      | 7/21/2011 07:16:18 | 16.96  |                 |              | 7.23            | 7.81 | 3.8               | 2.35            | 84.0 |
| 645      | 7/21/2011 07:31:18 | 17.18  |                 |              | 6.86            | 7.80 | 2.8               | 2.29            | 80.1 |
| 646      | 7/21/2011 07:46:18 | 17.25  |                 |              | 6.05            | 7.78 | 3.1               | 2.18            | 76.1 |
| 647      | 7/21/2011 08:01:18 | 17.26  |                 |              | 6.37            | 7.78 | 3.9               | 2.13            | 74.2 |
| 648      | 7/21/2011 08:16:18 | 17.22  |                 |              | 6.41            | 7.78 | 2.7               | 2.05            | 76.7 |
| 649      | 7/21/2011 08:31:18 | 17.37  |                 |              | 6.63            | 7.79 | 2.6               | 1.98            | 77.5 |
| 650      | 7/21/2011 08:46:18 | 17.50  |                 |              | 6.75            | 7.80 | 2.6               | 1.92            | 79.2 |
| 651      | 7/21/2011 09:01:18 | 17.63  |                 |              | 6.73            | 7.80 | 2.7               | 1.87            | 79.4 |
| 652      | 7/21/2011 09:16:18 | 17.72  |                 |              | 6.81            | 7.80 | 4.6               | 1.82            | 80.8 |
| 653      | 7/21/2011 09:31:18 | 17.90  |                 |              | 6.63            | 7.80 | 2.7               | 1.79            | 78.8 |
| 654      | 7/21/2011 09:46:18 | 17.96  |                 |              | 6.41            | 7.80 | 2.9               | 1.76            | 77.1 |
| 655      | 7/21/2011 10:01:18 | 18.08  | 48.35           | 31.60        | 5.70            | 7.80 | 3.7               | 1.74            | 72.9 |
| 656      | 7/21/2011 10:16:18 | 18.06  |                 |              | 4.86            | 7.75 | 3.0               | 1.74            | 61.9 |
| 657      | 7/21/2011 10:31:18 | 18.11  |                 |              | 6.82            | 7.81 | 3.3               | 1.78            | 81.4 |
| 658      | 7/21/2011 10:46:18 | 18.23  |                 |              | 7.21            | 7.82 | 3.2               | 1.80            | 86.1 |
| 659      | 7/21/2011 11:01:18 | 18.18  |                 |              | 7.32            | 7.83 | 3.5               | 1.85            | 87.5 |
| 660      | 7/21/2011 11:16:18 | 18.19  |                 |              | 7.28            | 7.84 | 3.5               | 1.90            | 86.9 |
| 661      | 7/21/2011 11:31:18 | 18.20  |                 |              | 7.28            | 7.83 | 3.2               | 1.94            | 86.9 |
| 662      | 7/21/2011 11:46:18 | 18.25  |                 |              | 7.41            | 7.84 | 3.6               | 2.01            | 88.7 |
| 663      | 7/21/2011 12:01:18 | 18.26  |                 |              | 7.37            | 7.83 | 3.8               | 2.07            | 88.1 |
| 664      | 7/21/2011 12:16:19 | 18.17  |                 |              | 7.25            | 7.82 | 3.5               | 2.13            | 86.5 |
| 665      | 7/21/2011 12:31:18 | 18.06  | 48.71           | 31.86        | 6.87            | 7.83 | 3.2               | 2.18            | 87.9 |
| 666      | 7/21/2011 12:46:18 | 17.90  |                 |              | 7.49            | 7.84 | 3.2               | 2.25            | 89.0 |
| 667      | 7/21/2011 13:01:18 | 17.69  |                 |              | 7.65            | 7.84 | 2.9               | 2.34            | 90.2 |
| 668      | 7/21/2011 13:16:18 | 17.42  |                 |              | 7.80            | 7.85 | 2.9               | 2.40            | 91.4 |
| 669      | 7/21/2011 13:31:18 | 17.23  | 50.22           | 32.96        | 7.39            | 7.86 | 2.8               | 2.45            | 93.8 |
| 670      | 7/21/2011 13:46:18 | 17.11  |                 |              | 8.14            | 7.86 | 2.8               | 2.54            | 94.8 |
| 671      | 7/21/2011 14:01:18 | 16.92  | 49.79           | 32.64        | 7.59            | 7.87 | 2.5               | 2.59            | 95.5 |
| 672      | 7/21/2011 14:16:18 | 16.80  | 50.04           | 32.83        | 7.65            | 7.87 | 2.4               | 2.67            | 96.1 |
| 673      | 7/21/2011 14:31:18 | 16.60  | 49.91           | 32.73        | 7.71            | 7.87 | 2.4               | 2.74            | 96.4 |
| 674      | 7/21/2011 14:46:18 | 16.34  | 49.52           | 32.44        | 7.72            | 7.86 | 2.3               | 2.82            | 96.0 |
| 675      | 7/21/2011 15:01:18 | 16.29  |                 |              | 8.42            | 7.87 | 2.3               | 2.92            | 96.7 |
| 676      | 7/21/2011 15:16:18 | 16.08  |                 |              | 8.52            | 7.87 | 2.4               | 2.98            | 97.9 |
| 677      | 7/21/2011 15:31:18 | 15.44  |                 |              | 8.63            | 7.86 | 2.0               | 3.06            | 97.5 |
| 678      | 7/21/2011 15:46:18 | 15.33  |                 |              | 8.68            | 7.86 | 2.3               | 3.12            | 97.8 |
| 679      | 7/21/2011 16:01:18 | 15.26  |                 |              | 8.63            | 7.85 | 1.9               | 3.18            | 97.2 |
| 680      | 7/21/2011 16:16:18 | 15.08  | 49.49           | 32.39        | 7.95            | 7.85 | 2.3               | 3.21            | 96.3 |
| 681      | 7/21/2011 16:31:18 | 14.69  | 50.05           | 32.79        | 7.87            | 7.83 | 1.8               | 3.25            | 94.9 |
| 682      | 7/21/2011 16:46:18 | 14.47  |                 |              | 8.46            | 7.83 | 1.7               | 3.31            | 93.2 |
| 683      | 7/21/2011 17:01:18 | 14.39  |                 |              | 7.58            | 7.81 | 1.6               | 3.32            | 84.8 |
| 684      | 7/21/2011 17:16:18 | 14.42  |                 |              | 6.39            | 7.75 | 2.3               | 3.34            | 70.3 |
| 685      | 7/21/2011 17:31:18 | 14.54  |                 |              | 6.28            | 7.73 | 2.1               | 3.34            | 69.3 |
| 686      | 7/21/2011 17:46:18 | 14.54  |                 |              | 7.21            | 7.76 | 2.4               | 3.30            | 79.9 |
| 687      | 7/21/2011 18:01:18 | 14.73  |                 |              | 7.19            | 7.78 | 2.2               | 3.24            | 81.3 |
| 688      | 7/21/2011 18:16:18 | 15.21  |                 |              | 7.28            | 7.78 | 2.7               | 3.20            | 81.6 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|------|
| 689      | 7/21/2011 18:31:18 | 15.69  |                 |              | 6.56            | 7.75 | 2.8               | 3.15            | 74.5 |
| 690      | 7/21/2011 18:46:18 | 16.18  |                 |              | 6.38            | 7.74 | 2.8               | 3.05            | 73.1 |
| 691      | 7/21/2011 19:01:18 | 16.55  |                 |              | 6.97            | 7.80 | 3.0               | 2.98            | 80.5 |
| 692      | 7/21/2011 19:16:18 | 16.70  |                 |              | 7.59            | 7.84 | 3.1               | 2.91            | 88.0 |
| 693      | 7/21/2011 19:31:18 | 16.72  |                 |              | 7.25            | 7.82 | 4.0               | 2.84            | 84.1 |
| 694      | 7/21/2011 19:46:18 | 16.82  |                 |              | 7.49            | 7.84 | 3.1               | 2.76            | 87.0 |
| 695      | 7/21/2011 20:01:18 | 16.92  |                 |              | 7.02            | 7.82 | 4.5               | 2.68            | 82.4 |
| 696      | 7/21/2011 20:16:18 | 17.04  |                 |              | 7.37            | 7.83 | 3.2               | 2.62            | 86.2 |
| 697      | 7/21/2011 20:31:18 | 17.19  |                 |              | 7.01            | 7.83 | 3.1               | 2.53            | 82.1 |
| 698      | 7/21/2011 20:46:18 | 17.23  |                 |              | 7.17            | 7.84 | 3.1               | 2.46            | 83.8 |
| 699      | 7/21/2011 21:01:18 | 17.19  |                 |              | 7.92            | 7.89 | 4.6               | 2.38            | 92.4 |
| 700      | 7/21/2011 21:16:18 | 17.06  |                 |              | 7.36            | 7.84 | 3.2               | 2.31            | 85.6 |
| 701      | 7/21/2011 21:31:18 | 17.24  |                 |              | 7.10            | 7.82 | 3.1               | 2.23            | 82.9 |
| 702      | 7/21/2011 21:46:18 | 17.32  |                 |              | 7.20            | 7.84 | 3.4               | 2.16            | 84.3 |
| 703      | 7/21/2011 22:01:18 | 17.46  |                 |              | 6.66            | 7.81 | 3.4               | 2.10            | 78.4 |
| 704      | 7/21/2011 22:16:18 | 17.54  |                 |              | 7.09            | 7.84 | 3.2               | 2.03            | 83.3 |
| 705      | 7/21/2011 22:31:18 | 17.71  |                 |              | 6.82            | 7.83 | 3.4               | 1.97            | 80.4 |
| 706      | 7/21/2011 22:46:18 | 17.94  |                 |              | 6.95            | 7.83 | 3.1               | 1.94            | 82.4 |
| 707      | 7/21/2011 23:01:18 | 18.28  |                 |              | 6.78            | 7.83 | 2.7               | 1.90            | 81.0 |
| 708      | 7/21/2011 23:16:18 | 18.31  |                 |              | 6.24            | 7.80 | 2.6               | 1.89            | 74.6 |
| 709      | 7/21/2011 23:31:18 | 18.34  |                 |              | 5.06            | 7.75 | 3.2               | 1.88            | 60.6 |
| 710      | 7/21/2011 23:46:18 | 18.42  |                 |              | 3.92            | 7.68 | 3.6               | 1.88            | 46.9 |
| 711      | 7/22/2011 00:01:18 | 18.74  | 49.12           | 32.17        | 6.70            | 7.85 | 7.0               | 1.89            | 87.0 |
| 712      | 7/22/2011 00:16:18 | 18.73  | 50.03           | 32.83        | 6.84            | 7.81 | 5.8               | 1.92            | 89.2 |
| 713      | 7/22/2011 00:31:18 | 18.82  | 50.14           | 32.91        | 6.62            | 7.84 | 8.7               | 2.00            | 86.5 |
| 714      | 7/22/2011 00:46:18 | 18.83  | 50.36           | 33.08        | 5.90            | 7.78 | 4.3               | 2.03            | 77.1 |
| 715      | 7/22/2011 01:01:18 | 18.54  |                 |              | 6.64            | 7.81 | 4.1               | 2.12            | 80.5 |
| 716      | 7/22/2011 01:16:18 | 18.56  |                 |              | 7.26            | 7.82 | 5.5               | 2.17            | 87.1 |
| 717      | 7/22/2011 01:31:18 | 18.87  |                 |              | 6.90            | 7.83 | 4.2               | 2.20            | 83.6 |
| 718      | 7/22/2011 01:46:18 | 18.68  |                 |              | 6.68            | 7.80 | 3.8               | 2.25            | 81.6 |
| 719      | 7/22/2011 02:01:18 | 18.58  |                 |              | 7.24            | 7.82 | 3.9               | 2.31            | 88.2 |
| 720      | 7/22/2011 02:16:18 | 18.52  |                 |              | 7.52            | 7.84 | 3.4               | 2.37            | 90.2 |
| 721      | 7/22/2011 02:31:18 | 18.47  |                 |              | 7.56            | 7.85 | 4.1               | 2.41            | 90.6 |
| 722      | 7/22/2011 02:46:18 | 18.27  |                 |              | 7.47            | 7.81 | 4.4               | 2.45            | 89.2 |
| 723      | 7/22/2011 03:01:18 | 18.13  |                 |              | 7.45            | 7.83 | 8.8               | 2.50            | 88.8 |
| 724      | 7/22/2011 03:16:18 | 17.84  |                 |              | 7.76            | 7.86 | 3.5               | 2.55            | 91.9 |
| 725      | 7/22/2011 03:31:18 | 17.58  |                 |              | 7.90            | 7.86 | 3.3               | 2.59            | 93.1 |
| 726      | 7/22/2011 03:46:18 | 17.36  |                 |              | 8.04            | 7.85 | 3.2               | 2.62            | 94.2 |
| 727      | 7/22/2011 04:01:18 | 17.21  |                 |              | 7.97            | 7.81 | 2.8               | 2.66            | 94.2 |
| 728      | 7/22/2011 04:16:18 | 17.11  |                 |              | 7.82            | 7.85 | 2.4               | 2.69            | 91.1 |
| 729      | 7/22/2011 04:31:18 | 17.01  |                 |              | 7.92            | 7.84 | 2.3               | 2.73            | 92.1 |
| 730      | 7/22/2011 04:46:18 | 16.93  |                 |              | 7.75            | 7.83 | 2.1               | 2.75            | 90.0 |
| 731      | 7/22/2011 05:01:18 | 16.87  |                 |              | 6.60            | 7.77 | 2.1               | 2.75            | 80.3 |
| 732      | 7/22/2011 05:16:18 | 16.86  | 50.29           | 33.01        | 6.02            | 7.73 | 1.8               | 2.76            | 75.8 |
| 733      | 7/22/2011 05:31:18 | 16.76  |                 |              | 6.30            | 7.78 | 1.6               | 2.80            | 73.2 |
| 734      | 7/22/2011 05:46:18 | 16.78  | 49.51           | 32.43        | 4.83            | 7.73 | 1.6               | 2.76            | 60.6 |
| 735      | 7/22/2011 06:01:18 | 16.84  | 50.25           | 32.98        | 4.82            | 7.73 | 2.5               | 2.74            | 60.7 |
| 736      | 7/22/2011 06:16:18 | 16.82  | 49.78           | 32.63        | 4.84            | 7.71 | 2.4               | 2.73            | 60.8 |
| 737      | 7/22/2011 06:31:19 | 16.85  |                 |              | 4.72            | 7.68 | 2.7               | 2.71            | 57.9 |
| 738      | 7/22/2011 06:46:19 | 17.03  |                 |              | 6.38            | 7.78 | 2.6               | 2.66            | 77.2 |
| 739      | 7/22/2011 07:01:18 | 17.16  |                 |              | 4.88            | 7.69 | 3.0               | 2.63            | 59.4 |
| 740      | 7/22/2011 07:16:18 | 17.24  |                 |              | 5.65            | 7.72 | 3.2               | 2.56            | 67.4 |
| 741      | 7/22/2011 07:31:18 | 17.33  |                 |              | 5.53            | 7.71 | 3.5               | 2.53            | 64.8 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|------|
| 742      | 7/22/2011 07:46:18 | 17.51  |                 |              | 5.16            | 7.71 | 4.3               | 2.46            | 60.8 |
| 743      | 7/22/2011 08:01:18 | 17.55  |                 |              | 4.86            | 7.63 | 3.2               | 2.39            | 57.6 |
| 744      | 7/22/2011 08:16:18 | 17.64  |                 |              | 5.23            | 7.70 | 2.9               | 2.35            | 61.8 |
| 745      | 7/22/2011 08:31:18 | 17.68  |                 |              | 4.59            | 7.65 | 2.6               | 2.28            | 54.2 |
| 746      | 7/22/2011 08:46:18 | 17.73  |                 |              | 4.92            | 7.66 | 2.6               | 2.23            | 58.2 |
| 747      | 7/22/2011 09:01:18 | 17.75  |                 |              | 5.15            | 7.69 | 5.2               | 2.17            | 60.8 |
| 748      | 7/22/2011 09:16:18 | 17.79  |                 |              | 4.56            | 7.64 | 2.4               | 2.12            | 54.0 |
| 749      | 7/22/2011 09:31:18 | 17.85  |                 |              | 5.12            | 7.71 | 2.9               | 2.10            | 60.7 |
| 750      | 7/22/2011 09:46:18 | 17.93  |                 |              | 4.63            | 7.70 | 2.8               | 2.05            | 55.0 |
| 751      | 7/22/2011 10:01:18 | 17.98  | 50.24           | 32.98        | 2.73            | 7.55 | 2.4               | 1.99            | 35.1 |
| 752      | 7/22/2011 10:16:18 | 18.05  |                 |              | 3.28            | 7.59 | 2.6               | 2.01            | 39.0 |
| 753      | 7/22/2011 10:31:18 | 18.10  |                 |              | 2.75            | 7.57 | 2.7               | 2.00            | 32.8 |
| 754      | 7/22/2011 10:46:19 | 18.10  |                 |              | 2.12            | 7.51 | 2.8               | 1.98            | 25.3 |
| 755      | 7/22/2011 11:01:18 | 18.18  |                 |              | 4.30            | 7.67 | 4.2               | 1.99            | 51.3 |
| 756      | 7/22/2011 11:16:18 | 18.34  |                 |              | 6.64            | 7.78 | 4.3               | 2.02            | 79.6 |
| 757      | 7/22/2011 11:31:18 | 18.35  |                 |              | 6.66            | 7.80 | 3.7               | 2.04            | 79.9 |
| 758      | 7/22/2011 11:46:18 | 18.36  |                 |              | 6.64            | 7.80 | 3.3               | 2.06            | 79.6 |
| 759      | 7/22/2011 12:01:18 | 18.34  |                 |              | 6.72            | 7.79 | 3.4               | 2.12            | 80.5 |
| 760      | 7/22/2011 12:16:18 | 18.35  |                 |              | 6.84            | 7.81 | 3.2               | 2.16            | 82.0 |
| 761      | 7/22/2011 12:31:18 | 18.51  |                 |              | 7.11            | 7.80 | 3.6               | 2.20            | 85.4 |
| 762      | 7/22/2011 12:46:18 | 18.45  |                 |              | 6.99            | 7.82 | 3.7               | 2.26            | 84.0 |
| 763      | 7/22/2011 13:01:18 | 18.30  |                 |              | 7.06            | 7.82 | 4.2               | 2.31            | 84.4 |
| 764      | 7/22/2011 13:16:18 | 18.18  |                 |              | 7.13            | 7.83 | 5.1               | 2.39            | 85.2 |
| 765      | 7/22/2011 13:31:18 | 17.99  |                 |              | 6.69            | 7.83 | 3.4               | 2.44            | 84.9 |
| 766      | 7/22/2011 13:46:18 | 17.74  |                 |              | 6.94            | 7.83 | 3.3               | 2.49            | 86.9 |
| 767      | 7/22/2011 14:01:18 | 17.48  |                 |              | 7.49            | 7.84 | 3.2               | 2.57            | 88.8 |
| 768      | 7/22/2011 14:16:18 | 17.32  |                 |              | 7.86            | 7.85 | 2.9               | 2.64            | 92.2 |
| 769      | 7/22/2011 14:31:18 | 17.10  |                 |              | 8.17            | 7.87 | 3.1               | 2.72            | 95.4 |
| 770      | 7/22/2011 14:46:18 | 17.04  |                 |              | 8.21            | 7.87 | 3.1               | 2.77            | 95.8 |
| 771      | 7/22/2011 15:01:18 | 16.87  |                 |              | 7.79            | 7.87 | 3.2               | 2.81            | 96.7 |
| 772      | 7/22/2011 15:16:18 | 16.58  | 49.45           | 32.39        | 7.80            | 7.87 | 3.2               | 2.89            | 97.3 |
| 773      | 7/22/2011 15:31:18 | 16.52  | 48.77           | 31.89        | 7.87            | 7.87 | 2.5               | 2.95            | 97.8 |
| 774      | 7/22/2011 15:46:18 | 16.11  | 48.39           | 31.61        | 7.80            | 7.86 | 2.6               | 3.01            | 96.0 |
| 775      | 7/22/2011 16:01:18 | 15.81  | 49.57           | 32.46        | 7.88            | 7.86 | 2.3               | 3.08            | 96.9 |
| 776      | 7/22/2011 16:16:18 | 15.51  |                 |              | 8.64            | 7.86 | 2.4               | 3.17            | 97.6 |
| 777      | 7/22/2011 16:31:18 | 15.34  |                 |              | 8.24            | 7.86 | 2.4               | 3.20            | 97.5 |
| 778      | 7/22/2011 16:46:19 | 15.24  |                 |              | 7.82            | 7.85 | 1.8               | 3.25            | 93.2 |
| 779      | 7/22/2011 17:01:19 | 15.13  |                 |              | 8.01            | 7.85 | 1.9               | 3.30            | 95.3 |
| 780      | 7/22/2011 17:16:18 | 14.98  |                 |              | 7.99            | 7.84 | 1.6               | 3.34            | 92.6 |
| 781      | 7/22/2011 17:31:18 | 14.86  |                 |              | 7.53            | 7.82 | 1.5               | 3.36            | 87.7 |
| 782      | 7/22/2011 17:46:18 | 14.82  |                 |              | 7.42            | 7.81 | 1.9               | 3.37            | 86.9 |
| 783      | 7/22/2011 18:01:18 | 14.86  |                 |              | 5.83            | 7.72 | 1.5               | 3.40            | 64.9 |
| 784      | 7/22/2011 18:16:18 | 14.94  |                 |              | 5.62            | 7.68 | 1.6               | 3.38            | 62.7 |
| 785      | 7/22/2011 18:31:18 | 14.97  |                 |              | 5.03            | 7.63 | 1.5               | 3.36            | 56.2 |
| 786      | 7/22/2011 18:46:18 | 15.05  |                 |              | 6.40            | 7.71 | 2.3               | 3.31            | 71.6 |
| 787      | 7/22/2011 19:01:18 | 16.03  |                 |              | 8.19            | 7.87 | 2.4               | 3.25            | 93.4 |
| 788      | 7/22/2011 19:16:18 | 16.44  |                 |              | 8.20            | 7.87 | 2.4               | 3.20            | 94.4 |
| 789      | 7/22/2011 19:31:18 | 16.81  |                 |              | 7.61            | 7.84 | 2.3               | 3.12            | 88.4 |
| 790      | 7/22/2011 19:46:18 | 17.07  |                 |              | 8.40            | 7.90 | 2.5               | 3.05            | 98.1 |
| 791      | 7/22/2011 20:01:18 | 17.21  |                 |              | 7.40            | 7.85 | 2.2               | 2.97            | 86.6 |
| 792      | 7/22/2011 20:16:18 | 17.49  |                 |              | 8.36            | 7.91 | 2.4               | 2.90            | 98.5 |
| 793      | 7/22/2011 20:31:18 | 17.65  |                 |              | 7.15            | 7.83 | 2.0               | 2.83            | 85.3 |
| 794      | 7/22/2011 20:46:18 | 17.86  |                 |              | 8.22            | 7.94 | 2.6               | 2.75            | 97.5 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 795      | 7/22/2011 21:01:18 | 17.88  |                 |              | 7.32            | 7.86 | 1.8               | 2.69            | 86.9  |
| 796      | 7/22/2011 21:16:18 | 18.02  |                 |              | 9.33            | 7.99 | 2.4               | 2.61            | 111.0 |
| 797      | 7/22/2011 21:31:18 | 18.15  |                 |              | 8.67            | 7.98 | 2.4               | 2.52            | 109.5 |
| 798      | 7/22/2011 21:46:18 | 18.24  |                 |              | 8.61            | 7.92 | 3.4               | 2.46            | 103.0 |
| 799      | 7/22/2011 22:01:18 | 18.47  |                 |              | 9.27            | 7.98 | 3.1               | 2.39            | 111.3 |
| 800      | 7/22/2011 22:16:18 | 18.48  |                 |              | 8.07            | 7.92 | 3.3               | 2.30            | 96.9  |
| 801      | 7/22/2011 22:31:18 | 18.49  |                 |              | 6.70            | 7.83 | 2.2               | 2.24            | 80.5  |
| 802      | 7/22/2011 22:46:18 | 18.69  |                 |              | 6.97            | 7.89 | 2.5               | 2.16            | 88.6  |
| 803      | 7/22/2011 23:01:18 | 18.74  |                 |              | 7.27            | 7.85 | 2.6               | 2.11            | 87.9  |
| 804      | 7/22/2011 23:16:18 | 19.01  |                 |              | 7.45            | 7.86 | 2.6               | 2.04            | 90.5  |
| 805      | 7/22/2011 23:31:18 | 19.05  |                 |              | 7.57            | 7.89 | 2.7               | 2.00            | 92.0  |
| 806      | 7/22/2011 23:46:18 | 19.10  |                 |              | 5.95            | 7.80 | 1.7               | 1.96            | 72.4  |
| 807      | 7/23/2011 00:01:18 | 19.13  |                 |              | 4.43            | 7.71 | 1.5               | 1.90            | 54.0  |
| 808      | 7/23/2011 00:16:18 | 19.19  |                 |              | 3.54            | 7.66 | 1.6               | 1.90            | 43.3  |
| 809      | 7/23/2011 00:31:18 | 19.25  |                 |              | 2.89            | 7.62 | 1.8               | 1.88            | 35.3  |
| 810      | 7/23/2011 00:46:18 | 19.31  |                 |              | 4.62            | 7.63 | 2.5               | 1.89            | 56.5  |
| 811      | 7/23/2011 01:01:18 | 19.36  | 50.40           | 33.10        | 5.83            | 7.70 | 2.6               | 1.88            | 77.0  |
| 812      | 7/23/2011 01:16:18 | 19.33  |                 |              | 7.53            | 7.84 | 2.9               | 1.92            | 98.1  |
| 813      | 7/23/2011 01:31:18 | 19.24  |                 |              | 7.67            | 7.83 | 2.8               | 1.93            | 98.3  |
| 814      | 7/23/2011 01:46:18 | 19.20  |                 |              | 8.02            | 7.84 | 3.2               | 2.00            | 97.8  |
| 815      | 7/23/2011 02:01:18 | 19.14  |                 |              | 7.49            | 7.85 | 2.9               | 2.04            | 96.9  |
| 816      | 7/23/2011 02:16:18 | 19.23  | 50.55           | 33.21        | 7.20            | 7.85 | 3.5               | 2.07            | 94.9  |
| 817      | 7/23/2011 02:31:18 | 19.33  | 50.53           | 33.20        | 6.91            | 7.81 | 3.4               | 2.12            | 91.3  |
| 818      | 7/23/2011 02:46:18 | 19.30  |                 |              | 7.68            | 7.83 | 3.5               | 2.19            | 93.9  |
| 819      | 7/23/2011 03:01:18 | 19.26  | 49.66           | 32.56        | 7.22            | 7.83 | 3.2               | 2.22            | 94.9  |
| 820      | 7/23/2011 03:16:18 | 19.17  | 50.26           | 33.00        | 7.31            | 7.85 | 3.2               | 2.25            | 96.2  |
| 821      | 7/23/2011 03:31:18 | 19.12  | 50.47           | 33.15        | 7.38            | 7.85 | 3.5               | 2.30            | 97.1  |
| 822      | 7/23/2011 03:46:18 | 18.80  | 50.65           | 33.28        | 7.42            | 7.85 | 3.2               | 2.36            | 97.1  |
| 823      | 7/23/2011 04:01:18 | 18.59  | 50.34           | 33.06        | 7.38            | 7.86 | 4.2               | 2.39            | 96.1  |
| 824      | 7/23/2011 04:16:18 | 18.58  | 50.47           | 33.15        | 6.73            | 7.82 | 2.9               | 2.43            | 87.7  |
| 825      | 7/23/2011 04:31:18 | 18.03  | 50.39           | 33.09        | 7.14            | 7.83 | 3.1               | 2.47            | 92.0  |
| 826      | 7/23/2011 04:46:18 | 17.89  | 50.35           | 33.07        | 7.00            | 7.83 | 2.6               | 2.51            | 90.0  |
| 827      | 7/23/2011 05:01:18 | 17.82  | 50.46           | 33.14        | 6.97            | 7.82 | 2.2               | 2.54            | 89.4  |
| 828      | 7/23/2011 05:16:18 | 17.76  | 50.25           | 32.99        | 6.81            | 7.80 | 2.3               | 2.57            | 87.2  |
| 829      | 7/23/2011 05:31:18 | 17.62  | 50.39           | 33.09        | 7.07            | 7.82 | 2.1               | 2.61            | 90.3  |
| 830      | 7/23/2011 05:46:18 | 17.48  | 50.51           | 33.18        | 7.26            | 7.82 | 2.1               | 2.63            | 92.7  |
| 831      | 7/23/2011 06:01:18 | 17.43  | 50.58           | 33.23        | 6.51            | 7.78 | 1.8               | 2.65            | 83.0  |
| 832      | 7/23/2011 06:16:18 | 17.40  | 50.79           | 33.38        | 6.76            | 7.78 | 1.8               | 2.67            | 86.2  |
| 833      | 7/23/2011 06:31:18 | 17.38  | 50.59           | 33.23        | 5.67            | 7.78 | 1.7               | 2.69            | 72.3  |
| 834      | 7/23/2011 06:46:18 | 17.32  | 50.63           | 33.26        | 5.13            | 7.74 | 1.4               | 2.69            | 65.3  |
| 835      | 7/23/2011 07:01:18 | 17.32  | 50.57           | 33.22        | 4.18            | 7.70 | 1.6               | 2.68            | 53.2  |
| 836      | 7/23/2011 07:16:18 | 17.36  | 50.53           | 33.19        | 2.64            | 7.58 | 1.8               | 2.69            | 33.5  |
| 837      | 7/23/2011 07:31:18 | 17.33  | 50.50           | 33.17        | 3.33            | 7.61 | 2.1               | 2.66            | 42.4  |
| 838      | 7/23/2011 07:46:18 | 17.26  | 50.46           | 33.14        | 6.20            | 7.80 | 2.2               | 2.63            | 78.7  |
| 839      | 7/23/2011 08:01:18 | 17.31  | 50.50           | 33.17        | 5.17            | 7.65 | 2.3               | 2.61            | 65.7  |
| 840      | 7/23/2011 08:16:18 | 17.42  | 50.56           | 33.21        | 4.74            | 7.69 | 2.0               | 2.57            | 60.4  |
| 841      | 7/23/2011 08:31:18 | 17.71  | 50.52           | 33.19        | 5.28            | 7.73 | 2.3               | 2.53            | 67.7  |
| 842      | 7/23/2011 08:46:18 | 18.03  | 50.35           | 33.06        | 5.83            | 7.79 | 3.2               | 2.48            | 75.0  |
| 843      | 7/23/2011 09:01:18 | 18.11  | 50.49           | 33.16        | 5.79            | 7.78 | 3.2               | 2.44            | 74.8  |
| 844      | 7/23/2011 09:16:18 | 18.30  | 50.60           | 33.25        | 5.96            | 7.79 | 2.9               | 2.39            | 77.3  |
| 845      | 7/23/2011 09:31:18 | 18.42  | 50.56           | 33.22        | 6.20            | 7.80 | 2.8               | 2.35            | 80.6  |
| 846      | 7/23/2011 09:46:18 | 18.45  | 50.46           | 33.14        | 6.25            | 7.82 | 2.6               | 2.31            | 81.2  |
| 847      | 7/23/2011 10:01:18 | 18.49  | 50.42           | 33.11        | 5.61            | 7.76 | 2.3               | 2.29            | 72.9  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 848      | 7/23/2011 10:16:18 | 18.57  | 50.43           | 33.12        | 6.09            | 7.76 | 2.3               | 2.27            | 79.3  |
| 849      | 7/23/2011 10:31:18 | 18.58  |                 |              | 5.31            | 7.73 | 1.6               | 2.24            | 64.9  |
| 850      | 7/23/2011 10:46:18 | 18.61  | 50.36           | 33.07        | 2.96            | 7.61 | 1.7               | 2.20            | 38.5  |
| 851      | 7/23/2011 11:01:18 | 18.69  | 50.62           | 33.26        | 3.68            | 7.66 | 1.8               | 2.21            | 48.1  |
| 852      | 7/23/2011 11:16:18 | 18.75  | 50.46           | 33.15        | 3.33            | 7.65 | 1.9               | 2.20            | 43.5  |
| 853      | 7/23/2011 11:31:18 | 18.76  | 50.54           | 33.21        | 4.02            | 7.63 | 2.2               | 2.18            | 52.5  |
| 854      | 7/23/2011 11:46:18 | 18.79  | 50.56           | 33.22        | 5.43            | 7.65 | 4.2               | 2.19            | 71.0  |
| 855      | 7/23/2011 12:01:18 | 18.85  | 50.63           | 33.27        | 7.33            | 7.86 | 4.0               | 2.22            | 96.0  |
| 856      | 7/23/2011 12:16:18 | 18.94  | 50.61           | 33.26        | 7.20            | 7.84 | 3.7               | 2.24            | 94.5  |
| 857      | 7/23/2011 12:31:18 | 19.00  | 50.37           | 33.08        | 7.17            | 7.85 | 3.4               | 2.25            | 94.0  |
| 858      | 7/23/2011 12:46:18 | 18.89  | 50.36           | 33.07        | 7.18            | 7.85 | 3.5               | 2.30            | 94.0  |
| 859      | 7/23/2011 13:01:18 | 18.93  | 50.68           | 33.31        | 7.40            | 7.86 | 4.5               | 2.35            | 97.1  |
| 860      | 7/23/2011 13:16:18 | 18.86  | 50.61           | 33.26        | 7.61            | 7.88 | 5.8               | 2.39            | 99.7  |
| 861      | 7/23/2011 13:31:18 | 18.71  | 50.36           | 33.07        | 7.69            | 7.88 | 3.4               | 2.43            | 100.3 |
| 862      | 7/23/2011 13:46:18 | 18.44  | 50.51           | 33.18        | 7.61            | 7.88 | 2.8               | 2.49            | 98.8  |
| 863      | 7/23/2011 14:01:18 | 18.27  | 50.55           | 33.21        | 7.53            | 7.88 | 2.9               | 2.55            | 97.6  |
| 864      | 7/23/2011 14:16:18 | 18.15  | 50.73           | 33.34        | 7.53            | 7.89 | 2.9               | 2.60            | 97.3  |
| 865      | 7/23/2011 14:31:18 | 17.79  | 50.69           | 33.31        | 7.45            | 7.88 | 2.7               | 2.65            | 95.7  |
| 866      | 7/23/2011 14:46:18 | 17.55  | 50.69           | 33.31        | 7.53            | 7.88 | 2.9               | 2.70            | 96.3  |
| 867      | 7/23/2011 15:01:18 | 17.41  | 50.67           | 33.29        | 7.75            | 7.89 | 2.6               | 2.77            | 98.8  |
| 868      | 7/23/2011 15:16:18 | 17.13  | 50.79           | 33.38        | 7.86            | 7.90 | 2.6               | 2.83            | 99.7  |
| 869      | 7/23/2011 15:31:18 | 16.99  | 50.71           | 33.32        | 7.84            | 7.89 | 2.9               | 2.88            | 99.2  |
| 870      | 7/23/2011 15:46:18 | 16.77  | 50.73           | 33.33        | 7.87            | 7.89 | 2.2               | 2.94            | 99.1  |
| 871      | 7/23/2011 16:01:18 | 16.56  | 50.76           | 33.35        | 7.90            | 7.90 | 3.2               | 3.01            | 99.1  |
| 872      | 7/23/2011 16:16:18 | 16.16  | 50.81           | 33.38        | 7.86            | 7.89 | 2.3               | 3.08            | 97.9  |
| 873      | 7/23/2011 16:31:18 | 15.79  | 50.79           | 33.36        | 7.88            | 7.89 | 2.0               | 3.13            | 97.4  |
| 874      | 7/23/2011 16:46:18 | 15.68  | 50.87           | 33.42        | 7.83            | 7.89 | 1.8               | 3.18            | 96.6  |
| 875      | 7/23/2011 17:01:18 | 15.56  |                 |              | 8.45            | 7.88 | 1.8               | 3.27            | 97.4  |
| 876      | 7/23/2011 17:16:18 | 15.48  | 50.65           | 33.25        | 7.92            | 7.87 | 1.8               | 3.30            | 97.3  |
| 877      | 7/23/2011 17:31:18 | 15.44  |                 |              | 8.32            | 7.87 | 1.6               | 3.36            | 94.5  |
| 878      | 7/23/2011 17:46:18 | 15.32  | 47.97           | 31.29        | 7.83            | 7.86 | 1.5               | 3.37            | 94.6  |
| 879      | 7/23/2011 18:01:18 | 15.27  | 50.57           | 33.19        | 7.34            | 7.84 | 1.6               | 3.40            | 89.7  |
| 880      | 7/23/2011 18:16:18 | 15.27  |                 |              | 7.41            | 7.80 | 1.4               | 3.46            | 83.6  |
| 881      | 7/23/2011 18:31:18 | 15.27  | 50.68           | 33.27        | 6.36            | 7.76 | 1.4               | 3.43            | 77.8  |
| 882      | 7/23/2011 18:46:18 | 15.24  | 50.66           | 33.25        | 6.83            | 7.81 | 2.1               | 3.42            | 83.5  |
| 883      | 7/23/2011 19:01:18 | 15.27  | 50.63           | 33.23        | 4.97            | 7.68 | 2.0               | 3.40            | 60.7  |
| 884      | 7/23/2011 19:16:18 | 15.17  | 50.41           | 33.07        | 6.12            | 7.76 | 1.5               | 3.38            | 74.6  |
| 885      | 7/23/2011 19:31:18 | 15.21  | 50.47           | 33.11        | 6.17            | 7.76 | 1.4               | 3.34            | 75.2  |
| 886      | 7/23/2011 19:46:18 | 15.38  | 50.32           | 33.00        | 7.50            | 7.85 | 2.2               | 3.28            | 91.7  |
| 887      | 7/23/2011 20:01:18 | 15.64  | 50.52           | 33.16        | 6.94            | 7.82 | 2.0               | 3.22            | 85.4  |
| 888      | 7/23/2011 20:16:18 | 15.86  |                 |              | 7.37            | 7.82 | 2.1               | 3.20            | 84.0  |
| 889      | 7/23/2011 20:31:18 | 16.42  |                 |              | 7.35            | 7.85 | 2.3               | 3.13            | 84.8  |
| 890      | 7/23/2011 20:46:18 | 16.86  |                 |              | 7.16            | 7.89 | 2.2               | 3.04            | 88.2  |
| 891      | 7/23/2011 21:01:18 | 17.30  |                 |              | 7.99            | 7.94 | 2.8               | 2.98            | 93.9  |
| 892      | 7/23/2011 21:16:18 | 17.65  |                 |              | 8.65            | 7.97 | 2.6               | 2.92            | 102.6 |
| 893      | 7/23/2011 21:31:18 | 17.81  |                 |              | 8.29            | 7.96 | 2.3               | 2.85            | 98.6  |
| 894      | 7/23/2011 21:46:18 | 18.06  | 49.48           | 32.42        | 8.21            | 7.98 | 4.3               | 2.73            | 105.5 |
| 895      | 7/23/2011 22:01:18 | 18.25  |                 |              | 8.73            | 7.99 | 3.7               | 2.69            | 104.7 |
| 896      | 7/23/2011 22:16:18 | 18.42  |                 |              | 8.73            | 8.00 | 3.3               | 2.62            | 105.0 |
| 897      | 7/23/2011 22:31:18 | 18.60  | 50.63           | 33.27        | 6.48            | 7.91 | 2.4               | 2.52            | 84.5  |
| 898      | 7/23/2011 22:46:18 | 18.89  | 50.98           | 33.53        | 7.85            | 7.99 | 5.1               | 2.42            | 103.1 |
| 899      | 7/23/2011 23:01:18 | 19.09  | 50.85           | 33.43        | 7.81            | 8.00 | 4.1               | 2.35            | 102.9 |
| 900      | 7/23/2011 23:16:18 | 19.24  | 50.99           | 33.54        | 7.36            | 7.98 | 4.3               | 2.28            | 97.2  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 901      | 7/23/2011 23:31:18 | 19.40  | 50.82  | 33.41        | 7.16    | 7.95 | 3.9        | 2.20            | 94.9  |
| 902      | 7/23/2011 23:46:18 | 19.51  | 50.68  | 33.31        | 6.68    | 7.93 | 3.1        | 2.12            | 88.6  |
| 903      | 7/24/2011 00:01:18 | 19.51  | 50.74  | 33.35        | 6.46    | 7.92 | 2.9        | 2.04            | 85.7  |
| 904      | 7/24/2011 00:16:18 | 19.66  | 50.68  | 33.31        | 5.72    | 7.88 | 2.3        | 1.99            | 76.2  |
| 905      | 7/24/2011 00:31:18 | 19.73  | 50.77  | 33.38        | 5.83    | 7.86 | 1.9        | 1.94            | 77.6  |
| 906      | 7/24/2011 00:46:18 | 19.79  | 50.77  | 33.37        | 5.61    | 7.85 | 2.1        | 1.87            | 74.8  |
| 907      | 7/24/2011 01:01:18 | 19.79  | 50.83  | 33.42        | 5.84    | 7.83 | 1.7        | 1.85            | 77.9  |
| 908      | 7/24/2011 01:16:18 | 19.82  | 50.85  | 33.44        | 5.43    | 7.83 | 2.4        | 1.84            | 72.5  |
| 909      | 7/24/2011 01:31:18 | 19.83  | 50.66  | 33.29        | 6.67    | 7.76 | 3.1        | 1.83            | 89.0  |
| 910      | 7/24/2011 01:46:18 | 19.82  | 50.70  | 33.32        | 7.17    | 7.83 | 2.8        | 1.81            | 95.7  |
| 911      | 7/24/2011 02:01:18 | 19.77  | 50.58  | 33.24        | 7.45    | 7.89 | 2.7        | 1.83            | 99.3  |
| 912      | 7/24/2011 02:16:18 | 19.72  | 50.69  | 33.31        | 7.47    | 7.91 | 2.9        | 1.89            | 99.4  |
| 913      | 7/24/2011 02:31:18 | 19.62  | 50.67  | 33.30        | 7.64    | 7.92 | 2.9        | 1.90            | 101.6 |
| 914      | 7/24/2011 02:46:18 | 19.56  | 50.78  | 33.38        | 7.47    | 7.91 | 2.8        | 1.93            | 99.2  |
| 915      | 7/24/2011 03:01:18 | 19.52  | 50.54  | 33.21        | 7.57    | 7.91 | 2.8        | 1.99            | 100.4 |
| 916      | 7/24/2011 03:16:18 | 19.47  | 50.86  | 33.44        | 7.54    | 7.92 | 3.0        | 2.03            | 100.0 |
| 917      | 7/24/2011 03:31:18 | 19.46  | 50.61  | 33.26        | 7.43    | 7.91 | 3.8        | 2.08            | 98.5  |
| 918      | 7/24/2011 03:46:18 | 19.45  | 50.71  | 33.33        | 7.16    | 7.90 | 3.2        | 2.11            | 94.9  |
| 919      | 7/24/2011 04:01:18 | 19.44  | 50.68  | 33.31        | 7.25    | 7.91 | 2.9        | 2.16            | 96.1  |
| 920      | 7/24/2011 04:16:18 | 19.41  | 50.71  | 33.33        | 7.30    | 7.90 | 3.4        | 2.22            | 96.7  |
| 921      | 7/24/2011 04:31:18 | 19.35  | 50.68  | 33.31        | 7.10    | 7.90 | 3.2        | 2.26            | 94.0  |
| 922      | 7/24/2011 04:46:18 | 19.21  | 50.66  | 33.29        | 7.33    | 7.90 | 3.4        | 2.30            | 96.6  |
| 923      | 7/24/2011 05:01:18 | 19.14  | 50.65  | 33.28        | 7.18    | 7.91 | 2.7        | 2.34            | 94.6  |
| 924      | 7/24/2011 05:16:18 | 18.99  | 50.67  | 33.30        | 7.30    | 7.90 | 3.5        | 2.39            | 95.8  |
| 925      | 7/24/2011 05:31:18 | 18.72  | 50.56  | 33.22        | 7.39    | 7.89 | 3.3        | 2.44            | 96.6  |
| 926      | 7/24/2011 05:46:18 | 18.49  | 50.50  | 33.17        | 7.35    | 7.89 | 3.0        | 2.48            | 95.5  |
| 927      | 7/24/2011 06:01:18 | 18.40  | 50.60  | 33.25        | 7.29    | 7.89 | 3.1        | 2.52            | 94.7  |
| 928      | 7/24/2011 06:16:18 | 18.27  | 50.40  | 33.10        | 7.47    | 7.89 | 2.9        | 2.58            | 96.7  |
| 929      | 7/24/2011 06:31:18 | 18.15  | 50.67  | 33.30        | 7.42    | 7.90 | 2.3        | 2.60            | 95.9  |
| 930      | 7/24/2011 06:46:18 | 18.10  | 50.60  | 33.25        | 7.34    | 7.89 | 2.2        | 2.64            | 94.8  |
| 931      | 7/24/2011 07:01:18 | 17.99  | 50.60  | 33.25        | 7.29    | 7.88 | 2.1        | 2.67            | 93.9  |
| 932      | 7/24/2011 07:16:18 | 17.88  | 50.69  | 33.31        | 7.23    | 7.89 | 2.3        | 2.70            | 93.0  |
| 933      | 7/24/2011 07:31:18 | 17.81  | 50.47  | 33.15        | 6.98    | 7.84 | 1.8        | 2.72            | 89.6  |
| 934      | 7/24/2011 07:46:18 | 17.77  | 50.38  | 33.08        | 6.61    | 7.84 | 1.8        | 2.74            | 84.7  |
| 935      | 7/24/2011 08:01:18 | 17.72  | 50.51  | 33.18        | 5.84    | 7.82 | 1.9        | 2.75            | 74.8  |
| 936      | 7/24/2011 08:16:18 | 17.73  | 50.63  | 33.27        | 5.92    | 7.79 | 2.1        | 2.75            | 76.0  |
| 937      | 7/24/2011 08:31:18 | 17.77  | 50.70  | 33.31        | 5.11    | 7.76 | 2.1        | 2.76            | 65.6  |
| 938      | 7/24/2011 08:46:18 | 17.75  | 50.59  | 33.24        | 5.21    | 7.77 | 2.1        | 2.75            | 66.8  |
| 939      | 7/24/2011 09:01:18 | 17.66  | 50.45  | 33.13        | 6.11    | 7.80 | 2.3        | 2.72            | 78.2  |
| 940      | 7/24/2011 09:16:18 | 17.70  | 50.62  | 33.26        | 6.64    | 7.82 | 2.2        | 2.70            | 85.2  |
| 941      | 7/24/2011 09:31:18 | 17.89  |        |              | 7.19    | 7.84 | 2.3        | 2.70            | 85.5  |
| 942      | 7/24/2011 09:46:18 | 17.98  | 50.48  | 33.16        | 6.54    | 7.83 | 2.4        | 2.65            | 84.3  |
| 943      | 7/24/2011 10:01:18 | 18.12  | 50.67  | 33.30        | 6.84    | 7.86 | 2.4        | 2.60            | 88.4  |
| 944      | 7/24/2011 10:16:18 | 18.29  |        |              | 7.09    | 7.84 | 2.4        | 2.58            | 86.4  |
| 945      | 7/24/2011 10:31:18 | 18.46  | 50.62  | 33.27        | 6.55    | 7.83 | 2.7        | 2.56            | 85.2  |
| 946      | 7/24/2011 10:46:18 | 18.52  | 50.77  | 33.37        | 6.42    | 7.83 | 2.6        | 2.51            | 83.7  |
| 947      | 7/24/2011 11:01:18 | 18.62  | 50.73  | 33.34        | 6.49    | 7.82 | 2.5        | 2.47            | 84.6  |
| 948      | 7/24/2011 11:16:18 | 18.69  | 50.75  | 33.36        | 6.62    | 7.83 | 2.1        | 2.45            | 86.5  |
| 949      | 7/24/2011 11:31:18 | 18.74  | 50.73  | 33.35        | 6.53    | 7.83 | 2.3        | 2.44            | 85.4  |
| 950      | 7/24/2011 11:46:18 | 18.75  | 50.74  | 33.35        | 5.42    | 7.78 | 1.9        | 2.43            | 70.9  |
| 951      | 7/24/2011 12:01:18 | 18.79  | 50.73  | 33.34        | 4.92    | 7.78 | 2.0        | 2.40            | 64.4  |
| 952      | 7/24/2011 12:16:18 | 18.82  | 50.72  | 33.33        | 5.00    | 7.75 | 2.3        | 2.41            | 65.5  |
| 953      | 7/24/2011 12:31:18 | 18.83  | 50.82  | 33.41        | 6.52    | 7.79 | 2.7        | 2.41            | 85.5  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 954      | 7/24/2011 12:46:18 | 18.45  | 50.83           | 33.42        | 7.10            | 7.84 | 2.1               | 2.43            | 92.3  |
| 955      | 7/24/2011 13:01:18 | 18.52  | 50.73           | 33.34        | 7.22            | 7.83 | 2.4               | 2.43            | 94.0  |
| 956      | 7/24/2011 13:16:18 | 18.58  | 50.78           | 33.38        | 7.10            | 7.86 | 2.6               | 2.46            | 92.7  |
| 957      | 7/24/2011 13:31:18 | 18.60  | 50.65           | 33.28        | 7.58            | 7.88 | 2.7               | 2.50            | 98.8  |
| 958      | 7/24/2011 13:46:18 | 18.58  | 50.72           | 33.34        | 7.56            | 7.88 | 2.7               | 2.52            | 98.6  |
| 959      | 7/24/2011 14:01:18 | 18.50  | 50.72           | 33.34        | 7.62            | 7.88 | 2.3               | 2.55            | 99.1  |
| 960      | 7/24/2011 14:16:18 | 18.39  | 50.73           | 33.35        | 7.54            | 7.87 | 2.8               | 2.58            | 97.9  |
| 961      | 7/24/2011 14:31:18 | 18.28  | 50.71           | 33.33        | 7.56            | 7.88 | 2.4               | 2.64            | 98.0  |
| 962      | 7/24/2011 14:46:18 | 18.14  | 50.73           | 33.35        | 7.49            | 7.87 | 2.4               | 2.67            | 96.8  |
| 963      | 7/24/2011 15:01:18 | 18.05  | 50.77           | 33.37        | 7.43            | 7.87 | 2.2               | 2.71            | 95.9  |
| 964      | 7/24/2011 15:16:18 | 17.88  | 50.69           | 33.31        | 7.51            | 7.87 | 2.3               | 2.76            | 96.6  |
| 965      | 7/24/2011 15:31:18 | 17.68  | 50.64           | 33.27        | 7.48            | 7.86 | 2.6               | 2.82            | 95.9  |
| 966      | 7/24/2011 15:46:18 | 17.42  | 50.56           | 33.21        | 7.49            | 7.86 | 3.0               | 2.86            | 95.5  |
| 967      | 7/24/2011 16:01:18 | 17.21  | 50.76           | 33.36        | 7.53            | 7.86 | 2.1               | 2.91            | 95.7  |
| 968      | 7/24/2011 16:16:18 | 17.03  | 50.75           | 33.35        | 7.67            | 7.86 | 2.1               | 2.97            | 97.1  |
| 969      | 7/24/2011 16:31:18 | 16.67  | 50.74           | 33.34        | 7.70            | 7.86 | 2.1               | 3.03            | 96.8  |
| 970      | 7/24/2011 16:46:18 | 16.41  | 50.55           | 33.19        | 7.66            | 7.85 | 2.2               | 3.09            | 95.7  |
| 971      | 7/24/2011 17:01:18 | 16.02  | 50.57           | 33.20        | 7.72            | 7.84 | 2.2               | 3.14            | 95.8  |
| 972      | 7/24/2011 17:16:18 | 15.68  | 50.75           | 33.33        | 7.72            | 7.84 | 2.1               | 3.20            | 95.2  |
| 973      | 7/24/2011 17:31:18 | 15.39  | 50.68           | 33.27        | 7.80            | 7.84 | 2.0               | 3.26            | 95.6  |
| 974      | 7/24/2011 17:46:18 | 15.27  | 50.61           | 33.22        | 7.77            | 7.84 | 1.8               | 3.31            | 95.0  |
| 975      | 7/24/2011 18:01:18 | 15.23  | 50.81           | 33.36        | 7.74            | 7.84 | 1.6               | 3.35            | 94.6  |
| 976      | 7/24/2011 18:16:18 | 15.20  | 50.54           | 33.16        | 7.65            | 7.83 | 1.6               | 3.40            | 93.3  |
| 977      | 7/24/2011 18:31:18 | 15.17  | 50.59           | 33.20        | 7.75            | 7.83 | 1.5               | 3.44            | 94.5  |
| 978      | 7/24/2011 18:46:18 | 15.17  | 50.67           | 33.26        | 7.56            | 7.82 | 1.5               | 3.47            | 92.3  |
| 979      | 7/24/2011 19:01:18 | 15.14  | 50.81           | 33.36        | 7.24            | 7.83 | 1.5               | 3.48            | 88.3  |
| 980      | 7/24/2011 19:16:18 | 15.12  | 50.84           | 33.38        | 6.79            | 7.80 | 1.6               | 3.49            | 82.9  |
| 981      | 7/24/2011 19:31:19 | 15.10  | 50.83           | 33.37        | 6.89            | 7.80 | 1.5               | 3.50            | 84.1  |
| 982      | 7/24/2011 19:46:18 | 15.07  | 50.67           | 33.26        | 6.76            | 7.78 | 1.4               | 3.48            | 82.3  |
| 983      | 7/24/2011 20:01:18 | 15.01  | 50.51           | 33.13        | 7.04            | 7.78 | 1.5               | 3.45            | 85.5  |
| 984      | 7/24/2011 20:16:18 | 15.00  | 50.63           | 33.22        | 7.47            | 7.81 | 2.0               | 3.42            | 90.8  |
| 985      | 7/24/2011 20:31:18 | 15.17  | 50.42           | 33.08        | 7.66            | 7.83 | 1.8               | 3.37            | 93.3  |
| 986      | 7/24/2011 20:46:18 | 15.50  | 50.45           | 33.10        | 7.57            | 7.83 | 2.5               | 3.32            | 92.8  |
| 987      | 7/24/2011 21:01:18 | 15.90  | 50.53           | 33.17        | 7.71            | 7.86 | 2.6               | 3.27            | 95.4  |
| 988      | 7/24/2011 21:16:18 | 16.52  | 50.64           | 33.26        | 7.84            | 7.89 | 2.7               | 3.19            | 98.2  |
| 989      | 7/24/2011 21:31:19 | 16.94  | 50.50           | 33.17        | 8.01            | 7.91 | 2.8               | 3.13            | 101.1 |
| 990      | 7/24/2011 21:46:18 | 17.16  | 50.68           | 33.30        | 8.06            | 7.92 | 2.7               | 3.06            | 102.2 |
| 991      | 7/24/2011 22:01:18 | 17.42  | 50.73           | 33.34        | 8.15            | 7.92 | 2.9               | 2.99            | 103.9 |
| 992      | 7/24/2011 22:16:18 | 17.55  | 50.67           | 33.29        | 8.15            | 7.93 | 3.5               | 2.90            | 104.2 |
| 993      | 7/24/2011 22:31:18 | 17.65  | 50.69           | 33.31        | 8.19            | 7.93 | 3.2               | 2.82            | 104.9 |
| 994      | 7/24/2011 22:46:18 | 17.82  | 50.63           | 33.27        | 8.13            | 7.94 | 3.2               | 2.75            | 104.4 |
| 995      | 7/24/2011 23:01:18 | 17.94  | 50.42           | 33.11        | 8.11            | 7.94 | 3.6               | 2.67            | 104.3 |
| 996      | 7/24/2011 23:16:18 | 18.03  |                 |              | 8.82            | 7.95 | 3.5               | 2.59            | 105.2 |
| 997      | 7/24/2011 23:31:18 | 18.01  | 50.68           | 33.30        | 8.06            | 7.95 | 3.7               | 2.48            | 104.0 |
| 998      | 7/24/2011 23:46:18 | 18.09  |                 |              | 8.57            | 7.95 | 3.5               | 2.42            | 102.3 |
| 999      | 7/25/2011 00:01:18 | 18.12  | 50.71           | 33.33        | 7.68            | 7.93 | 4.3               | 2.31            | 99.2  |
| 1000     | 7/25/2011 00:16:18 | 18.02  | 50.65           | 33.29        | 7.71            | 7.94 | 6.6               | 2.21            | 99.5  |
| 1001     | 7/25/2011 00:31:18 | 18.17  | 50.67           | 33.30        | 7.22            | 7.91 | 4.0               | 2.11            | 93.3  |
| 1002     | 7/25/2011 00:46:18 | 18.19  | 50.77           | 33.37        | 6.83            | 7.88 | 3.6               | 2.04            | 88.4  |
| 1003     | 7/25/2011 01:01:18 | 18.32  | 50.71           | 33.33        | 6.82            | 7.89 | 3.1               | 1.96            | 88.5  |
| 1004     | 7/25/2011 01:16:18 | 18.37  | 50.61           | 33.25        | 6.79            | 7.88 | 2.9               | 1.89            | 88.1  |
| 1005     | 7/25/2011 01:31:18 | 18.62  | 50.80           | 33.40        | 6.94            | 7.89 | 2.7               | 1.81            | 90.6  |
| 1006     | 7/25/2011 01:46:18 | 18.58  | 50.82           | 33.41        | 6.85            | 7.88 | 2.8               | 1.79            | 89.3  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|------|
| 1007     | 7/25/2011 02:01:18 | 18.83  | 50.91           | 33.47        | 6.72            | 7.87 | 2.6               | 1.75            | 88.1 |
| 1008     | 7/25/2011 02:16:18 | 18.99  | 50.84           | 33.42        | 6.67            | 7.87 | 2.7               | 1.70            | 87.7 |
| 1009     | 7/25/2011 02:31:18 | 19.00  | 50.85           | 33.43        | 6.40            | 7.86 | 2.6               | 1.71            | 84.2 |
| 1010     | 7/25/2011 02:46:18 | 18.99  | 50.89           | 33.46        | 5.50            | 7.76 | 2.1               | 1.73            | 72.3 |
| 1011     | 7/25/2011 03:01:18 | 18.98  | 50.73           | 33.35        | 6.77            | 7.82 | 2.4               | 1.74            | 88.9 |
| 1012     | 7/25/2011 03:16:18 | 18.91  | 50.92           | 33.48        | 7.06            | 7.85 | 2.6               | 1.76            | 92.7 |
| 1013     | 7/25/2011 03:31:18 | 18.93  | 50.85           | 33.43        | 7.06            | 7.86 | 2.7               | 1.81            | 92.7 |
| 1014     | 7/25/2011 03:46:18 | 18.91  | 50.76           | 33.37        | 7.21            | 7.88 | 3.7               | 1.87            | 94.7 |
| 1015     | 7/25/2011 04:01:18 | 18.89  | 50.71           | 33.33        | 7.16            | 7.88 | 3.1               | 1.90            | 93.9 |
| 1016     | 7/25/2011 04:16:18 | 18.82  | 50.66           | 33.29        | 7.05            | 7.87 | 3.4               | 1.95            | 92.4 |
| 1017     | 7/25/2011 04:31:18 | 18.82  | 50.61           | 33.25        | 7.11            | 7.87 | 3.0               | 2.01            | 93.0 |
| 1018     | 7/25/2011 04:46:18 | 18.79  | 50.65           | 33.28        | 6.94            | 7.86 | 2.6               | 2.05            | 90.9 |
| 1019     | 7/25/2011 05:01:18 | 18.75  | 50.48           | 33.16        | 6.88            | 7.86 | 3.4               | 2.11            | 89.8 |
| 1020     | 7/25/2011 05:16:18 | 18.71  | 50.52           | 33.19        | 6.87            | 7.86 | 3.1               | 2.15            | 89.7 |
| 1021     | 7/25/2011 05:31:18 | 18.68  | 50.68           | 33.31        | 6.93            | 7.87 | 3.4               | 2.21            | 90.6 |
| 1022     | 7/25/2011 05:46:18 | 18.60  | 50.59           | 33.24        | 7.13            | 7.88 | 3.4               | 2.26            | 92.9 |
| 1023     | 7/25/2011 06:01:18 | 18.52  | 50.54           | 33.20        | 7.05            | 7.87 | 3.7               | 2.31            | 91.8 |
| 1024     | 7/25/2011 06:16:18 | 18.41  | 50.51           | 33.18        | 7.12            | 7.87 | 3.8               | 2.36            | 92.5 |
| 1025     | 7/25/2011 06:31:18 | 18.30  | 50.41           | 33.11        | 7.20            | 7.87 | 3.5               | 2.42            | 93.2 |
| 1026     | 7/25/2011 06:46:18 | 18.19  |                 |              | 7.54            | 7.87 | 2.9               | 2.49            | 91.5 |
| 1027     | 7/25/2011 07:01:18 | 18.04  | 50.44           | 33.13        | 7.20            | 7.87 | 3.4               | 2.52            | 92.8 |
| 1028     | 7/25/2011 07:16:18 | 17.95  | 50.50           | 33.17        | 7.14            | 7.86 | 2.7               | 2.57            | 91.9 |
| 1029     | 7/25/2011 07:31:18 | 17.84  | 50.64           | 33.28        | 7.20            | 7.87 | 3.2               | 2.61            | 92.5 |
| 1030     | 7/25/2011 07:46:18 | 17.75  | 50.47           | 33.15        | 7.26            | 7.87 | 2.4               | 2.66            | 93.1 |
| 1031     | 7/25/2011 08:01:18 | 17.71  | 50.47           | 33.15        | 7.09            | 7.86 | 2.3               | 2.69            | 90.8 |
| 1032     | 7/25/2011 08:16:18 | 17.64  |                 |              | 7.72            | 7.86 | 2.3               | 2.75            | 92.2 |
| 1033     | 7/25/2011 08:31:18 | 17.60  | 50.58           | 33.23        | 7.04            | 7.84 | 2.3               | 2.76            | 90.1 |
| 1034     | 7/25/2011 08:46:18 | 17.47  |                 |              | 7.60            | 7.84 | 1.8               | 2.81            | 90.4 |
| 1035     | 7/25/2011 09:01:18 | 17.42  | 50.51           | 33.18        | 6.78            | 7.83 | 2.2               | 2.80            | 86.4 |
| 1036     | 7/25/2011 09:16:18 | 17.41  | 50.45           | 33.13        | 6.11            | 7.81 | 1.6               | 2.82            | 77.9 |
| 1037     | 7/25/2011 09:31:18 | 17.39  | 50.38           | 33.08        | 5.41            | 7.79 | 1.9               | 2.83            | 68.9 |
| 1038     | 7/25/2011 09:46:18 | 17.43  | 50.36           | 33.07        | 6.41            | 7.80 | 2.1               | 2.82            | 81.6 |
| 1039     | 7/25/2011 10:01:18 | 17.44  |                 |              | 6.96            | 7.81 | 2.3               | 2.85            | 82.4 |
| 1040     | 7/25/2011 10:16:18 | 17.40  |                 |              | 6.89            | 7.80 | 2.5               | 2.83            | 81.4 |
| 1041     | 7/25/2011 10:31:18 | 17.39  | 50.55           | 33.20        | 6.88            | 7.83 | 2.2               | 2.78            | 87.6 |
| 1042     | 7/25/2011 10:46:18 | 17.44  | 50.41           | 33.10        | 6.55            | 7.82 | 2.1               | 2.76            | 83.4 |
| 1043     | 7/25/2011 11:01:18 | 17.56  | 50.69           | 33.31        | 6.60            | 7.81 | 2.4               | 2.72            | 84.4 |
| 1044     | 7/25/2011 11:16:18 | 17.68  | 50.64           | 33.27        | 6.99            | 7.82 | 2.5               | 2.69            | 89.5 |
| 1045     | 7/25/2011 11:31:18 | 17.73  | 50.51           | 33.18        | 7.12            | 7.85 | 2.8               | 2.65            | 91.3 |
| 1046     | 7/25/2011 11:46:18 | 17.80  | 50.41           | 33.11        | 7.45            | 7.85 | 3.0               | 2.61            | 95.6 |
| 1047     | 7/25/2011 12:01:18 | 17.95  | 50.57           | 33.22        | 7.29            | 7.85 | 2.4               | 2.58            | 93.8 |
| 1048     | 7/25/2011 12:16:18 | 18.05  | 50.61           | 33.25        | 7.30            | 7.85 | 2.8               | 2.54            | 94.2 |
| 1049     | 7/25/2011 12:31:18 | 18.16  | 50.66           | 33.29        | 7.47            | 7.87 | 2.9               | 2.52            | 96.6 |
| 1050     | 7/25/2011 12:46:18 | 18.18  |                 |              | 7.78            | 7.86 | 1.9               | 2.52            | 93.3 |
| 1051     | 7/25/2011 13:01:18 | 18.28  | 50.42           | 33.11        | 7.04            | 7.85 | 2.1               | 2.49            | 91.2 |
| 1052     | 7/25/2011 13:16:18 | 18.30  | 50.60           | 33.25        | 6.30            | 7.81 | 2.0               | 2.48            | 81.6 |
| 1053     | 7/25/2011 13:31:18 | 18.40  | 50.57           | 33.22        | 6.43            | 7.75 | 3.0               | 2.48            | 83.5 |
| 1054     | 7/25/2011 13:46:18 | 18.36  | 50.54           | 33.20        | 7.64            | 7.86 | 2.4               | 2.49            | 99.1 |
| 1055     | 7/25/2011 14:01:18 | 18.39  | 50.36           | 33.07        | 7.50            | 7.88 | 2.4               | 2.50            | 97.2 |
| 1056     | 7/25/2011 14:16:18 | 18.31  | 50.49           | 33.17        | 7.49            | 7.88 | 2.6               | 2.53            | 97.1 |
| 1057     | 7/25/2011 14:31:18 | 18.27  | 50.35           | 33.07        | 7.53            | 7.88 | 2.3               | 2.56            | 97.4 |
| 1058     | 7/25/2011 14:46:18 | 18.28  | 50.40           | 33.10        | 7.51            | 7.89 | 2.3               | 2.59            | 97.3 |
| 1059     | 7/25/2011 15:01:18 | 18.21  | 50.63           | 33.27        | 7.62            | 7.89 | 2.4               | 2.63            | 98.6 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1060     | 7/25/2011 15:16:18 | 18.16  | 50.35           | 33.06        | 7.58            | 7.88 | 2.1               | 2.66            | 97.9  |
| 1061     | 7/25/2011 15:31:18 | 18.17  | 48.74           | 31.88        | 7.76            | 7.89 | 9.3               | 2.71            | 99.5  |
| 1062     | 7/25/2011 15:46:18 | 18.01  | 50.41           | 33.11        | 7.66            | 7.89 | 1.9               | 2.75            | 98.6  |
| 1063     | 7/25/2011 16:01:18 | 17.87  | 50.38           | 33.08        | 7.66            | 7.89 | 2.0               | 2.80            | 98.3  |
| 1064     | 7/25/2011 16:16:18 | 17.63  | 50.30           | 33.02        | 7.44            | 7.87 | 1.9               | 2.83            | 95.1  |
| 1065     | 7/25/2011 16:31:18 | 17.38  | 50.41           | 33.10        | 7.52            | 7.87 | 2.0               | 2.89            | 95.7  |
| 1066     | 7/25/2011 16:46:18 | 17.21  | 50.36           | 33.06        | 7.80            | 7.88 | 2.6               | 2.95            | 98.9  |
| 1067     | 7/25/2011 17:01:18 | 16.98  | 50.27           | 32.99        | 7.83            | 7.88 | 2.3               | 2.99            | 98.8  |
| 1068     | 7/25/2011 17:16:18 | 16.37  | 50.42           | 33.10        | 7.97            | 7.87 | 2.3               | 3.05            | 99.5  |
| 1069     | 7/25/2011 17:31:18 | 16.05  | 50.45           | 33.12        | 8.05            | 7.88 | 2.0               | 3.10            | 99.8  |
| 1070     | 7/25/2011 17:46:18 | 15.82  | 50.44           | 33.10        | 8.15            | 7.89 | 2.2               | 3.16            | 100.7 |
| 1071     | 7/25/2011 18:01:18 | 15.69  | 50.37           | 33.05        | 8.30            | 7.90 | 2.6               | 3.22            | 102.2 |
| 1072     | 7/25/2011 18:16:18 | 15.48  | 50.49           | 33.13        | 8.32            | 7.90 | 2.0               | 3.27            | 102.1 |
| 1073     | 7/25/2011 18:31:18 | 15.29  | 50.35           | 33.03        | 8.37            | 7.90 | 2.2               | 3.34            | 102.3 |
| 1074     | 7/25/2011 18:46:18 | 15.22  | 50.27           | 32.97        | 8.42            | 7.91 | 2.2               | 3.39            | 102.7 |
| 1075     | 7/25/2011 19:01:18 | 15.26  | 50.45           | 33.10        | 8.14            | 7.90 | 1.7               | 3.44            | 99.4  |
| 1076     | 7/25/2011 19:16:18 | 15.31  | 50.28           | 32.97        | 8.31            | 7.91 | 1.6               | 3.48            | 101.4 |
| 1077     | 7/25/2011 19:31:18 | 15.17  | 50.59           | 33.20        | 8.32            | 7.92 | 1.5               | 3.52            | 101.5 |
| 1078     | 7/25/2011 19:46:19 | 15.04  | 50.65           | 33.24        | 8.67            | 7.92 | 1.3               | 3.54            | 105.5 |
| 1079     | 7/25/2011 20:01:18 | 14.99  | 50.49           | 33.12        | 8.48            | 7.92 | 1.6               | 3.56            | 103.0 |
| 1080     | 7/25/2011 20:16:18 | 15.01  | 50.41           | 33.06        | 7.93            | 7.89 | 1.7               | 3.57            | 96.4  |
| 1081     | 7/25/2011 20:31:18 | 14.98  | 50.61           | 33.21        | 8.04            | 7.90 | 1.3               | 3.55            | 97.7  |
| 1082     | 7/25/2011 20:46:18 | 14.97  | 50.41           | 33.06        | 8.95            | 7.94 | 1.9               | 3.52            | 108.6 |
| 1083     | 7/25/2011 21:01:18 | 15.13  | 50.17           | 32.89        | 8.48            | 7.92 | 1.9               | 3.50            | 103.2 |
| 1084     | 7/25/2011 21:16:18 | 15.34  | 50.42           | 33.08        | 8.09            | 7.90 | 2.0               | 3.46            | 99.0  |
| 1085     | 7/25/2011 21:31:18 | 15.80  | 50.42           | 33.08        | 8.07            | 7.89 | 2.1               | 3.39            | 99.6  |
| 1086     | 7/25/2011 21:46:18 | 16.39  | 50.53           | 33.18        | 7.99            | 7.90 | 3.1               | 3.33            | 99.9  |
| 1087     | 7/25/2011 22:01:18 | 16.48  | 50.34           | 33.04        | 7.98            | 7.90 | 3.6               | 3.26            | 99.8  |
| 1088     | 7/25/2011 22:16:18 | 16.49  | 50.55           | 33.20        | 7.59            | 7.88 | 2.7               | 3.18            | 94.9  |
| 1089     | 7/25/2011 22:31:18 | 16.47  | 50.43           | 33.11        | 7.95            | 7.90 | 3.7               | 3.10            | 99.4  |
| 1090     | 7/25/2011 22:46:18 | 16.50  | 50.34           | 33.04        | 7.95            | 7.90 | 4.3               | 3.01            | 99.5  |
| 1091     | 7/25/2011 23:01:18 | 16.44  | 50.49           | 33.15        | 7.85            | 7.90 | 3.1               | 2.94            | 98.1  |
| 1092     | 7/25/2011 23:16:18 | 16.76  | 50.50           | 33.16        | 7.96            | 7.91 | 3.4               | 2.85            | 100.2 |
| 1093     | 7/25/2011 23:31:18 | 16.96  |                 |              | 8.72            | 7.93 | 3.6               | 2.78            | 102.4 |
| 1094     | 7/25/2011 23:46:18 | 16.94  |                 |              | 8.45            | 7.91 | 4.3               | 2.70            | 99.4  |
| 1095     | 7/26/2011 00:01:18 | 17.13  | 50.64           | 33.27        | 7.73            | 7.91 | 3.8               | 2.57            | 98.0  |
| 1096     | 7/26/2011 00:16:18 | 17.25  | 50.65           | 33.28        | 7.61            | 7.89 | 4.9               | 2.47            | 96.8  |
| 1097     | 7/26/2011 00:31:18 | 17.32  | 50.44           | 33.13        | 7.62            | 7.90 | 5.4               | 2.37            | 96.9  |
| 1098     | 7/26/2011 00:46:18 | 17.47  | 50.39           | 33.09        | 7.52            | 7.89 | 8.3               | 2.27            | 95.9  |
| 1099     | 7/26/2011 01:01:18 | 17.50  |                 |              | 7.91            | 7.89 | 5.6               | 2.18            | 94.4  |
| 1100     | 7/26/2011 01:16:18 | 17.73  |                 |              | 7.83            | 7.89 | 5.2               | 2.08            | 93.8  |
| 1101     | 7/26/2011 01:31:18 | 17.88  |                 |              | 7.77            | 7.89 | 4.6               | 1.97            | 93.5  |
| 1102     | 7/26/2011 01:46:18 | 17.98  |                 |              | 7.34            | 7.87 | 3.3               | 1.89            | 88.4  |
| 1103     | 7/26/2011 02:01:19 | 18.06  |                 |              | 6.87            | 7.85 | 2.8               | 1.81            | 82.8  |
| 1104     | 7/26/2011 02:16:18 | 18.19  |                 |              | 6.66            | 7.84 | 3.0               | 1.71            | 80.4  |
| 1105     | 7/26/2011 02:31:18 | 18.36  |                 |              | 7.68            | 7.88 | 3.8               | 1.64            | 93.1  |
| 1106     | 7/26/2011 02:46:18 | 18.59  |                 |              | 7.73            | 7.89 | 3.6               | 1.61            | 94.0  |
| 1107     | 7/26/2011 03:01:18 | 18.70  |                 |              | 7.72            | 7.90 | 2.9               | 1.57            | 94.0  |
| 1108     | 7/26/2011 03:16:18 | 18.73  |                 |              | 7.40            | 7.89 | 2.7               | 1.53            | 90.3  |
| 1109     | 7/26/2011 03:31:18 | 18.58  |                 |              | 6.95            | 7.84 | 2.5               | 1.55            | 84.5  |
| 1110     | 7/26/2011 03:46:18 | 18.83  |                 |              | 7.64            | 7.89 | 2.6               | 1.57            | 93.2  |
| 1111     | 7/26/2011 04:01:18 | 18.96  |                 |              | 7.54            | 7.89 | 3.0               | 1.60            | 92.2  |
| 1112     | 7/26/2011 04:16:18 | 18.92  |                 |              | 7.71            | 7.90 | 2.9               | 1.63            | 94.2  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1113     | 7/26/2011 04:31:18 | 19.03  |        |              | 7.90    | 7.91 | 3.3        | 1.67   | 96.7  |
| 1114     | 7/26/2011 04:46:18 | 19.01  |        |              | 7.95    | 7.91 | 3.3        | 1.75   | 97.4  |
| 1115     | 7/26/2011 05:01:18 | 19.04  |        |              | 7.81    | 7.90 | 3.5        | 1.79   | 95.7  |
| 1116     | 7/26/2011 05:16:18 | 19.00  |        |              | 7.61    | 7.90 | 2.9        | 1.84   | 93.2  |
| 1117     | 7/26/2011 05:31:18 | 18.95  |        |              | 7.58    | 7.89 | 3.1        | 1.91   | 93.4  |
| 1118     | 7/26/2011 05:46:18 | 18.92  |        |              | 7.70    | 7.89 | 3.5        | 1.96   | 94.1  |
| 1119     | 7/26/2011 06:01:18 | 18.91  |        |              | 7.76    | 7.88 | 3.8        | 2.03   | 94.7  |
| 1120     | 7/26/2011 06:16:18 | 18.86  |        |              | 7.71    | 7.89 | 3.7        | 2.08   | 94.1  |
| 1121     | 7/26/2011 06:31:18 | 18.79  |        |              | 7.71    | 7.88 | 3.1        | 2.15   | 94.0  |
| 1122     | 7/26/2011 06:46:18 | 18.75  |        |              | 7.76    | 7.89 | 3.2        | 2.21   | 94.5  |
| 1123     | 7/26/2011 07:01:18 | 18.61  |        |              | 7.79    | 7.89 | 4.0        | 2.28   | 94.5  |
| 1124     | 7/26/2011 07:16:18 | 18.40  |        |              | 7.80    | 7.89 | 3.2        | 2.34   | 94.4  |
| 1125     | 7/26/2011 07:31:18 | 18.14  |        |              | 7.89    | 7.88 | 3.2        | 2.40   | 94.9  |
| 1126     | 7/26/2011 07:46:18 | 18.01  |        |              | 7.92    | 7.88 | 3.6        | 2.47   | 95.1  |
| 1127     | 7/26/2011 08:01:18 | 17.96  |        |              | 7.85    | 7.88 | 3.7        | 2.53   | 94.2  |
| 1128     | 7/26/2011 08:16:18 | 17.88  |        |              | 7.88    | 7.88 | 2.7        | 2.58   | 94.3  |
| 1129     | 7/26/2011 08:31:18 | 17.83  |        |              | 7.94    | 7.88 | 3.1        | 2.64   | 94.9  |
| 1130     | 7/26/2011 08:46:18 | 17.76  |        |              | 8.00    | 7.89 | 2.6        | 2.69   | 95.7  |
| 1131     | 7/26/2011 09:01:18 | 17.68  |        |              | 8.02    | 7.89 | 3.0        | 2.74   | 95.8  |
| 1132     | 7/26/2011 09:16:18 | 17.58  |        |              | 8.07    | 7.88 | 2.4        | 2.78   | 96.1  |
| 1133     | 7/26/2011 09:31:18 | 17.46  |        |              | 8.01    | 7.87 | 2.3        | 2.83   | 95.1  |
| 1134     | 7/26/2011 09:46:18 | 17.38  |        |              | 7.89    | 7.87 | 2.1        | 2.86   | 93.6  |
| 1135     | 7/26/2011 10:01:18 | 17.28  |        |              | 7.96    | 7.87 | 2.0        | 2.89   | 94.2  |
| 1136     | 7/26/2011 10:16:18 | 17.22  |        |              | 7.81    | 7.86 | 1.9        | 2.92   | 92.3  |
| 1137     | 7/26/2011 10:31:18 | 17.03  |        |              | 7.32    | 7.84 | 1.9        | 2.93   | 86.3  |
| 1138     | 7/26/2011 10:46:18 | 17.15  |        |              | 6.50    | 7.81 | 1.9        | 2.94   | 76.8  |
| 1139     | 7/26/2011 11:01:18 | 17.19  |        |              | 6.86    | 7.80 | 2.3        | 2.93   | 81.1  |
| 1140     | 7/26/2011 11:16:18 | 17.10  |        |              | 7.19    | 7.83 | 2.4        | 2.91   | 84.9  |
| 1141     | 7/26/2011 11:31:18 | 17.10  |        |              | 7.25    | 7.84 | 2.0        | 2.87   | 85.6  |
| 1142     | 7/26/2011 11:46:18 | 17.24  |        |              | 7.76    | 7.86 | 2.1        | 2.84   | 91.8  |
| 1143     | 7/26/2011 12:01:18 | 17.61  |        |              | 8.30    | 7.89 | 2.7        | 2.80   | 99.0  |
| 1144     | 7/26/2011 12:16:18 | 17.71  |        |              | 8.53    | 7.91 | 2.9        | 2.75   | 101.9 |
| 1145     | 7/26/2011 12:31:18 | 17.79  |        |              | 8.59    | 7.92 | 2.8        | 2.70   | 102.8 |
| 1146     | 7/26/2011 12:46:18 | 17.97  |        |              | 8.68    | 7.92 | 2.7        | 2.65   | 104.3 |
| 1147     | 7/26/2011 13:01:18 | 18.04  |        |              | 8.58    | 7.92 | 2.6        | 2.62   | 103.2 |
| 1148     | 7/26/2011 13:16:18 | 18.04  |        |              | 8.01    | 7.88 | 3.2        | 2.57   | 96.4  |
| 1149     | 7/26/2011 13:31:18 | 18.11  |        |              | 8.37    | 7.91 | 2.3        | 2.53   | 101.2 |
| 1150     | 7/26/2011 13:46:18 | 18.14  |        |              | 8.08    | 7.89 | 3.6        | 2.51   | 97.4  |
| 1151     | 7/26/2011 14:01:18 | 18.17  |        |              | 7.53    | 7.87 | 2.1        | 2.50   | 90.7  |
| 1152     | 7/26/2011 14:16:18 | 18.33  |        |              | 6.73    | 7.84 | 1.8        | 2.48   | 81.3  |
| 1153     | 7/26/2011 14:31:18 | 18.45  |        |              | 8.47    | 7.93 | 2.3        | 2.47   | 102.6 |
| 1154     | 7/26/2011 14:46:18 | 18.55  |        |              | 8.95    | 7.93 | 2.7        | 2.48   | 108.7 |
| 1155     | 7/26/2011 15:01:18 | 18.56  |        |              | 9.04    | 7.93 | 2.1        | 2.50   | 109.8 |
| 1156     | 7/26/2011 15:16:18 | 18.51  |        |              | 9.05    | 7.93 | 2.3        | 2.52   | 109.7 |
| 1157     | 7/26/2011 15:31:18 | 18.45  |        |              | 8.73    | 7.92 | 2.3        | 2.54   | 105.8 |
| 1158     | 7/26/2011 15:46:18 | 18.45  |        |              | 8.82    | 7.92 | 2.3        | 2.56   | 106.9 |
| 1159     | 7/26/2011 16:01:18 | 18.39  |        |              | 8.81    | 7.92 | 2.4        | 2.60   | 106.7 |
| 1160     | 7/26/2011 16:16:18 | 18.34  |        |              | 9.02    | 7.93 | 2.9        | 2.65   | 109.2 |
| 1161     | 7/26/2011 16:31:18 | 18.29  |        |              | 9.05    | 7.93 | 2.7        | 2.69   | 109.4 |
| 1162     | 7/26/2011 16:46:18 | 18.14  |        |              | 9.05    | 7.93 | 2.4        | 2.73   | 109.1 |
| 1163     | 7/26/2011 17:01:18 | 18.04  |        |              | 8.94    | 7.92 | 2.9        | 2.79   | 107.6 |
| 1164     | 7/26/2011 17:16:18 | 17.66  |        |              | 8.56    | 7.90 | 2.6        | 2.84   | 102.2 |
| 1165     | 7/26/2011 17:31:18 | 17.29  |        |              | 8.86    | 7.91 | 2.4        | 2.88   | 104.9 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1166     | 7/26/2011 17:46:18 | 16.99  |                 |              | 9.12            | 7.92 | 2.9               | 2.95            | 107.3 |
| 1167     | 7/26/2011 18:01:18 | 16.67  |                 |              | 9.27            | 7.93 | 3.1               | 3.01            | 108.3 |
| 1168     | 7/26/2011 18:16:18 | 16.33  |                 |              | 9.45            | 7.94 | 2.7               | 3.07            | 109.6 |
| 1169     | 7/26/2011 18:31:18 | 16.19  |                 |              | 9.57            | 7.95 | 3.2               | 3.13            | 110.7 |
| 1170     | 7/26/2011 18:46:18 | 16.14  |                 |              | 9.63            | 7.95 | 2.9               | 3.20            | 111.4 |
| 1171     | 7/26/2011 19:01:18 | 16.11  |                 |              | 9.85            | 7.97 | 3.1               | 3.26            | 113.9 |
| 1172     | 7/26/2011 19:16:18 | 15.96  |                 |              | 9.77            | 7.97 | 2.7               | 3.32            | 112.7 |
| 1173     | 7/26/2011 19:31:18 | 15.63  |                 |              | 9.87            | 7.97 | 2.7               | 3.39            | 113.0 |
| 1174     | 7/26/2011 19:46:18 | 15.36  |                 |              | 9.98            | 7.98 | 2.9               | 3.45            | 113.7 |
| 1175     | 7/26/2011 20:01:18 | 15.23  |                 |              | 10.29           | 7.99 | 2.8               | 3.49            | 117.0 |
| 1176     | 7/26/2011 20:16:19 | 15.01  |                 |              | 10.52           | 8.01 | 3.3               | 3.55            | 119.0 |
| 1177     | 7/26/2011 20:31:18 | 14.90  | 50.67           | 33.25        | 9.93            | 8.01 | 2.4               | 3.55            | 120.5 |
| 1178     | 7/26/2011 20:46:18 | 14.86  | 50.62           | 33.21        | 9.95            | 8.01 | 2.0               | 3.58            | 120.6 |
| 1179     | 7/26/2011 21:01:18 | 14.86  | 50.63           | 33.22        | 9.57            | 7.98 | 2.4               | 3.60            | 116.0 |
| 1180     | 7/26/2011 21:16:18 | 14.93  | 50.38           | 33.04        | 8.80            | 7.94 | 2.3               | 3.61            | 106.8 |
| 1181     | 7/26/2011 21:31:19 | 14.96  | 50.60           | 33.20        | 8.68            | 7.94 | 1.8               | 3.59            | 105.4 |
| 1182     | 7/26/2011 21:46:18 | 14.87  | 50.26           | 32.95        | 8.86            | 7.96 | 1.7               | 3.56            | 107.2 |
| 1183     | 7/26/2011 22:01:18 | 14.88  | 50.40           | 33.06        | 9.19            | 7.98 | 2.3               | 3.53            | 111.4 |
| 1184     | 7/26/2011 22:16:18 | 15.20  | 49.95           | 32.73        | 8.81            | 7.95 | 2.1               | 3.47            | 107.2 |
| 1185     | 7/26/2011 22:31:18 | 16.25  | 49.90           | 32.71        | 8.25            | 7.96 | 2.9               | 3.40            | 102.4 |
| 1186     | 7/26/2011 22:46:18 | 16.58  | 49.91           | 32.73        | 8.86            | 7.97 | 2.6               | 3.33            | 110.7 |
| 1187     | 7/26/2011 23:01:18 | 16.86  | 49.84           | 32.68        | 8.94            | 7.97 | 4.0               | 3.25            | 112.4 |
| 1188     | 7/26/2011 23:16:18 | 16.77  | 49.97           | 32.77        | 8.83            | 7.96 | 3.4               | 3.16            | 110.8 |
| 1189     | 7/26/2011 23:31:19 | 17.00  | 49.65           | 32.54        | 8.85            | 7.97 | 6.0               | 3.07            | 111.5 |
| 1190     | 7/26/2011 23:46:18 | 17.16  | 50.18           | 32.93        | 8.66            | 7.95 | 4.3               | 2.98            | 109.7 |
| 1191     | 7/27/2011 00:01:18 | 17.52  |                 |              | 8.72            | 7.95 | 4.5               | 2.89            | 109.7 |
| 1192     | 7/27/2011 00:16:18 | 17.86  |                 |              | 9.02            | 7.95 | 4.3               | 2.81            | 108.2 |
| 1193     | 7/27/2011 00:31:18 | 18.11  |                 |              | 8.98            | 7.95 | 3.9               | 2.70            | 108.0 |
| 1194     | 7/27/2011 00:46:18 | 18.33  |                 |              | 9.03            | 7.96 | 4.0               | 2.60            | 109.3 |
| 1195     | 7/27/2011 01:01:18 | 18.36  | 49.79           | 32.66        | 8.31            | 7.95 | 6.6               | 2.47            | 107.4 |
| 1196     | 7/27/2011 01:16:18 | 18.08  | 50.24           | 32.98        | 8.30            | 7.94 | 5.7               | 2.36            | 106.9 |
| 1197     | 7/27/2011 01:31:18 | 18.14  | 50.14           | 32.91        | 7.91            | 7.92 | 4.8               | 2.25            | 102.0 |
| 1198     | 7/27/2011 01:46:18 | 18.19  | 49.69           | 32.58        | 7.75            | 7.91 | 5.1               | 2.13            | 99.8  |
| 1199     | 7/27/2011 02:01:18 | 18.11  |                 |              | 8.17            | 7.92 | 5.2               | 2.03            | 98.5  |
| 1200     | 7/27/2011 02:16:18 | 18.21  |                 |              | 7.99            | 7.91 | 4.6               | 1.92            | 96.5  |
| 1201     | 7/27/2011 02:31:18 | 18.28  |                 |              | 7.84            | 7.90 | 4.5               | 1.81            | 94.9  |
| 1202     | 7/27/2011 02:46:18 | 18.37  |                 |              | 7.73            | 7.89 | 3.8               | 1.70            | 93.7  |
| 1203     | 7/27/2011 03:01:18 | 18.53  |                 |              | 7.63            | 7.88 | 3.2               | 1.61            | 92.8  |
| 1204     | 7/27/2011 03:16:18 | 18.60  |                 |              | 7.32            | 7.86 | 2.6               | 1.54            | 89.1  |
| 1205     | 7/27/2011 03:31:18 | 18.75  |                 |              | 7.12            | 7.85 | 2.9               | 1.47            | 86.9  |
| 1206     | 7/27/2011 03:46:18 | 18.82  |                 |              | 6.65            | 7.83 | 2.4               | 1.42            | 81.4  |
| 1207     | 7/27/2011 04:01:18 | 19.12  |                 |              | 7.50            | 7.89 | 2.7               | 1.41            | 92.3  |
| 1208     | 7/27/2011 04:16:18 | 19.21  |                 |              | 7.62            | 7.88 | 2.7               | 1.38            | 94.3  |
| 1209     | 7/27/2011 04:31:18 | 19.14  | 50.52           | 33.19        | 6.88            | 7.80 | 2.9               | 1.39            | 90.6  |
| 1210     | 7/27/2011 04:46:19 | 19.33  | 50.67           | 33.30        | 7.59            | 7.89 | 2.7               | 1.40            | 100.3 |
| 1211     | 7/27/2011 05:01:18 | 19.28  | 50.54           | 33.21        | 7.65            | 7.91 | 3.0               | 1.45            | 100.9 |
| 1212     | 7/27/2011 05:16:18 | 19.27  | 50.40           | 33.11        | 7.85            | 7.92 | 3.4               | 1.51            | 103.5 |
| 1213     | 7/27/2011 05:31:18 | 19.23  | 50.56           | 33.22        | 7.85            | 7.91 | 3.5               | 1.56            | 103.5 |
| 1214     | 7/27/2011 05:46:18 | 19.24  | 50.05           | 32.85        | 7.72            | 7.91 | 5.0               | 1.63            | 101.7 |
| 1215     | 7/27/2011 06:01:18 | 19.27  | 50.47           | 33.16        | 7.52            | 7.90 | 3.8               | 1.68            | 99.2  |
| 1216     | 7/27/2011 06:16:18 | 19.21  | 50.38           | 33.08        | 7.42            | 7.90 | 3.5               | 1.76            | 97.7  |
| 1217     | 7/27/2011 06:31:18 | 19.19  | 50.11           | 32.89        | 7.47            | 7.89 | 4.3               | 1.83            | 98.2  |
| 1218     | 7/27/2011 06:46:18 | 19.17  | 50.05           | 32.84        | 7.51            | 7.89 | 4.2               | 1.88            | 98.8  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1219     | 7/27/2011 07:01:18 | 19.13  | 49.92           | 32.75        | 7.59            | 7.89 | 4.2               | 1.97            | 99.7  |
| 1220     | 7/27/2011 07:16:18 | 19.00  | 50.10           | 32.89        | 7.69            | 7.90 | 3.7               | 2.04            | 100.8 |
| 1221     | 7/27/2011 07:31:18 | 18.80  | 50.01           | 32.82        | 7.76            | 7.90 | 3.8               | 2.12            | 101.3 |
| 1222     | 7/27/2011 07:46:18 | 18.61  | 50.04           | 32.84        | 7.79            | 7.90 | 4.5               | 2.19            | 101.3 |
| 1223     | 7/27/2011 08:01:18 | 18.43  | 50.22           | 32.97        | 7.74            | 7.89 | 3.8               | 2.27            | 100.4 |
| 1224     | 7/27/2011 08:16:18 | 18.29  |                 |              | 7.81            | 7.89 | 3.9               | 2.34            | 99.7  |
| 1225     | 7/27/2011 08:31:18 | 18.16  |                 |              | 7.87            | 7.89 | 3.7               | 2.42            | 100.2 |
| 1226     | 7/27/2011 08:46:18 | 18.04  |                 |              | 7.89            | 7.89 | 3.6               | 2.49            | 100.6 |
| 1227     | 7/27/2011 09:01:18 | 17.99  |                 |              | 8.36            | 7.90 | 3.6               | 2.57            | 100.4 |
| 1228     | 7/27/2011 09:16:18 | 17.90  |                 |              | 8.33            | 7.89 | 3.1               | 2.63            | 100.0 |
| 1229     | 7/27/2011 09:31:18 | 17.75  |                 |              | 8.35            | 7.89 | 3.8               | 2.70            | 100.2 |
| 1230     | 7/27/2011 09:46:18 | 17.58  |                 |              | 8.39            | 7.89 | 3.1               | 2.76            | 100.1 |
| 1231     | 7/27/2011 10:01:18 | 17.45  | 50.38           | 33.08        | 7.88            | 7.89 | 3.6               | 2.78            | 100.4 |
| 1232     | 7/27/2011 10:16:18 | 17.29  |                 |              | 8.54            | 7.89 | 2.7               | 2.85            | 101.2 |
| 1233     | 7/27/2011 10:31:18 | 17.08  |                 |              | 8.62            | 7.90 | 2.6               | 2.90            | 101.8 |
| 1234     | 7/27/2011 10:46:18 | 16.97  | 50.57           | 33.21        | 8.05            | 7.90 | 2.5               | 2.91            | 101.7 |
| 1235     | 7/27/2011 11:01:18 | 16.87  | 50.52           | 33.17        | 8.01            | 7.90 | 2.1               | 2.93            | 101.0 |
| 1236     | 7/27/2011 11:16:18 | 16.87  | 50.38           | 33.08        | 7.66            | 7.89 | 2.0               | 2.96            | 96.5  |
| 1237     | 7/27/2011 11:31:18 | 16.87  | 50.61           | 33.24        | 6.99            | 7.85 | 2.0               | 2.98            | 88.2  |
| 1238     | 7/27/2011 11:46:18 | 16.90  | 50.48           | 33.15        | 6.02            | 7.80 | 1.8               | 2.96            | 76.0  |
| 1239     | 7/27/2011 12:01:18 | 16.96  | 50.24           | 32.97        | 6.62            | 7.83 | 2.1               | 2.94            | 83.5  |
| 1240     | 7/27/2011 12:16:18 | 16.94  |                 |              | 8.25            | 7.89 | 2.2               | 2.94            | 97.3  |
| 1241     | 7/27/2011 12:31:18 | 17.07  |                 |              | 8.31            | 7.89 | 3.2               | 2.90            | 98.1  |
| 1242     | 7/27/2011 12:46:18 | 17.37  |                 |              | 8.55            | 7.91 | 4.9               | 2.84            | 102.1 |
| 1243     | 7/27/2011 13:01:18 | 17.54  |                 |              | 8.70            | 7.92 | 3.1               | 2.79            | 104.2 |
| 1244     | 7/27/2011 13:16:18 | 17.80  |                 |              | 8.68            | 7.92 | 2.9               | 2.74            | 104.1 |
| 1245     | 7/27/2011 13:31:19 | 17.92  |                 |              | 8.58            | 7.91 | 2.9               | 2.68            | 103.1 |
| 1246     | 7/27/2011 13:46:18 | 17.95  |                 |              | 8.04            | 7.91 | 2.6               | 2.61            | 102.2 |
| 1247     | 7/27/2011 14:01:18 | 18.02  |                 |              | 8.26            | 7.90 | 2.3               | 2.59            | 99.7  |
| 1248     | 7/27/2011 14:16:18 | 18.11  |                 |              | 7.96            | 7.88 | 2.3               | 2.56            | 96.2  |
| 1249     | 7/27/2011 14:31:18 | 18.18  |                 |              | 7.86            | 7.88 | 2.0               | 2.50            | 95.0  |
| 1250     | 7/27/2011 14:46:18 | 18.34  |                 |              | 7.55            | 7.87 | 3.7               | 2.48            | 91.9  |
| 1251     | 7/27/2011 15:01:18 | 18.57  | 50.58           | 33.24        | 7.98            | 7.91 | 2.1               | 2.44            | 103.9 |
| 1252     | 7/27/2011 15:16:18 | 18.69  | 50.59           | 33.24        | 7.94            | 7.91 | 2.4               | 2.40            | 103.7 |
| 1253     | 7/27/2011 15:31:18 | 18.82  | 50.45           | 33.14        | 7.73            | 7.91 | 2.3               | 2.40            | 101.1 |
| 1254     | 7/27/2011 15:46:18 | 18.93  | 50.37           | 33.08        | 7.39            | 7.92 | 2.5               | 2.40            | 96.9  |
| 1255     | 7/27/2011 16:01:18 | 18.81  | 50.73           | 33.34        | 8.45            | 7.95 | 3.4               | 2.40            | 110.7 |
| 1256     | 7/27/2011 16:16:18 | 18.75  | 50.62           | 33.26        | 8.42            | 7.93 | 2.2               | 2.41            | 110.1 |
| 1257     | 7/27/2011 16:31:18 | 18.75  | 50.45           | 33.14        | 8.57            | 7.94 | 2.4               | 2.44            | 112.0 |
| 1258     | 7/27/2011 16:46:18 | 18.80  | 50.58           | 33.23        | 8.64            | 7.94 | 3.1               | 2.47            | 113.1 |
| 1259     | 7/27/2011 17:01:18 | 18.75  |                 |              | 9.24            | 7.95 | 3.0               | 2.54            | 113.6 |
| 1260     | 7/27/2011 17:16:18 | 18.51  |                 |              | 9.22            | 7.94 | 3.1               | 2.58            | 112.8 |
| 1261     | 7/27/2011 17:31:18 | 18.53  |                 |              | 9.33            | 7.95 | 3.2               | 2.63            | 114.2 |
| 1262     | 7/27/2011 17:46:18 | 18.45  |                 |              | 9.35            | 7.95 | 3.1               | 2.70            | 114.4 |
| 1263     | 7/27/2011 18:01:18 | 18.22  |                 |              | 9.40            | 7.95 | 3.7               | 2.75            | 114.5 |
| 1264     | 7/27/2011 18:16:18 | 17.81  | 50.37           | 33.08        | 8.51            | 7.92 | 4.7               | 2.80            | 109.2 |
| 1265     | 7/27/2011 18:31:18 | 17.54  |                 |              | 9.13            | 7.93 | 6.8               | 2.88            | 109.7 |
| 1266     | 7/27/2011 18:46:18 | 17.08  |                 |              | 9.37            | 7.93 | 3.1               | 2.94            | 111.6 |
| 1267     | 7/27/2011 19:01:18 | 16.71  | 50.41           | 33.09        | 8.86            | 7.94 | 4.4               | 3.00            | 111.3 |
| 1268     | 7/27/2011 19:16:18 | 16.34  |                 |              | 9.49            | 7.94 | 4.0               | 3.08            | 111.2 |
| 1269     | 7/27/2011 19:31:19 | 16.29  |                 |              | 9.52            | 7.95 | 4.4               | 3.15            | 111.4 |
| 1270     | 7/27/2011 19:46:18 | 16.01  |                 |              | 9.50            | 7.95 | 3.7               | 3.24            | 110.4 |
| 1271     | 7/27/2011 20:01:18 | 15.54  |                 |              | 9.48            | 7.94 | 4.1               | 3.30            | 109.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1272     | 7/27/2011 20:16:18 | 15.36  |                 |              | 9.44            | 7.94 | 4.2               | 3.37            | 108.3 |
| 1273     | 7/27/2011 20:31:18 | 15.00  |                 |              | 9.76            | 7.95 | 7.6               | 3.44            | 111.1 |
| 1274     | 7/27/2011 20:46:18 | 14.88  |                 |              | 9.82            | 7.96 | 6.0               | 3.51            | 111.0 |
| 1275     | 7/27/2011 21:01:18 | 14.73  |                 |              | 9.83            | 7.96 | 4.8               | 3.57            | 110.7 |
| 1276     | 7/27/2011 21:16:18 | 14.66  |                 |              | 9.72            | 7.95 | 3.6               | 3.61            | 109.3 |
| 1277     | 7/27/2011 21:31:18 | 14.59  |                 |              | 9.71            | 7.95 | 2.8               | 3.66            | 109.1 |
| 1278     | 7/27/2011 21:46:19 | 14.52  |                 |              | 9.63            | 7.95 | 2.8               | 3.68            | 107.9 |
| 1279     | 7/27/2011 22:01:18 | 14.49  |                 |              | 9.17            | 7.93 | 2.0               | 3.70            | 103.2 |
| 1280     | 7/27/2011 22:16:18 | 14.53  | 50.15           | 32.86        | 7.75            | 7.89 | 2.0               | 3.67            | 93.1  |
| 1281     | 7/27/2011 22:31:18 | 14.53  |                 |              | 8.69            | 7.90 | 2.0               | 3.68            | 98.0  |
| 1282     | 7/27/2011 22:46:18 | 14.44  |                 |              | 9.12            | 7.92 | 2.3               | 3.64            | 102.4 |
| 1283     | 7/27/2011 23:01:19 | 14.54  | 50.48           | 33.10        | 8.65            | 7.93 | 2.9               | 3.55            | 104.1 |
| 1284     | 7/27/2011 23:16:18 | 16.59  | 49.75           | 32.61        | 8.44            | 7.98 | 5.6               | 3.49            | 105.5 |
| 1285     | 7/27/2011 23:31:18 | 15.88  | 50.35           | 33.04        | 8.49            | 7.96 | 6.5               | 3.40            | 104.9 |
| 1286     | 7/27/2011 23:46:18 | 16.44  |                 |              | 9.30            | 7.97 | 3.8               | 3.33            | 108.9 |
| 1287     | 7/28/2011 00:01:18 | 16.50  |                 |              | 9.30            | 7.96 | 5.3               | 3.25            | 109.1 |
| 1288     | 7/28/2011 00:16:19 | 16.63  |                 |              | 9.29            | 7.96 | 5.0               | 3.16            | 109.1 |
| 1289     | 7/28/2011 00:31:18 | 16.79  | 50.21           | 32.95        | 8.61            | 7.95 | 7.2               | 3.01            | 108.2 |
| 1290     | 7/28/2011 00:46:18 | 17.06  |                 |              | 8.96            | 7.95 | 7.4               | 2.94            | 106.3 |
| 1291     | 7/28/2011 01:01:18 | 17.29  |                 |              | 8.93            | 7.95 | 5.5               | 2.83            | 106.4 |
| 1292     | 7/28/2011 01:16:18 | 17.72  |                 |              | 8.66            | 7.94 | 4.4               | 2.72            | 103.9 |
| 1293     | 7/28/2011 01:31:18 | 18.04  |                 |              | 8.10            | 7.93 | 5.2               | 2.61            | 97.8  |
| 1294     | 7/28/2011 01:46:18 | 18.07  | 49.99           | 32.80        | 8.02            | 7.92 | 6.1               | 2.46            | 103.3 |
| 1295     | 7/28/2011 02:01:18 | 17.83  |                 |              | 7.74            | 7.89 | 6.9               | 2.37            | 93.1  |
| 1296     | 7/28/2011 02:16:18 | 17.71  |                 |              | 8.38            | 7.92 | 6.2               | 2.24            | 100.2 |
| 1297     | 7/28/2011 02:31:18 | 17.72  | 50.41           | 33.11        | 7.47            | 7.90 | 7.6               | 2.08            | 95.7  |
| 1298     | 7/28/2011 02:46:18 | 17.93  |                 |              | 7.94            | 7.91 | 8.2               | 1.97            | 95.7  |
| 1299     | 7/28/2011 03:01:18 | 17.91  |                 |              | 7.96            | 7.91 | 6.6               | 1.86            | 96.0  |
| 1300     | 7/28/2011 03:16:18 | 18.00  |                 |              | 7.81            | 7.90 | 5.8               | 1.73            | 94.3  |
| 1301     | 7/28/2011 03:31:18 | 18.19  |                 |              | 7.24            | 7.87 | 4.6               | 1.60            | 87.8  |
| 1302     | 7/28/2011 03:46:18 | 18.41  |                 |              | 7.37            | 7.87 | 3.4               | 1.51            | 89.7  |
| 1303     | 7/28/2011 04:01:18 | 18.58  |                 |              | 7.28            | 7.88 | 3.4               | 1.41            | 89.1  |
| 1304     | 7/28/2011 04:16:18 | 18.88  |                 |              | 6.97            | 7.88 | 3.2               | 1.33            | 85.9  |
| 1305     | 7/28/2011 04:31:18 | 19.04  |                 |              | 7.30            | 7.89 | 3.1               | 1.27            | 90.2  |
| 1306     | 7/28/2011 04:46:18 | 19.26  |                 |              | 7.22            | 7.89 | 3.2               | 1.25            | 89.4  |
| 1307     | 7/28/2011 05:01:18 | 19.34  |                 |              | 7.47            | 7.90 | 3.1               | 1.23            | 92.8  |
| 1308     | 7/28/2011 05:16:18 | 19.20  |                 |              | 7.98            | 7.92 | 3.5               | 1.24            | 98.8  |
| 1309     | 7/28/2011 05:31:18 | 19.35  |                 |              | 7.83            | 7.91 | 3.1               | 1.26            | 97.4  |
| 1310     | 7/28/2011 05:46:18 | 19.30  |                 |              | 8.04            | 7.91 | 2.9               | 1.33            | 99.9  |
| 1311     | 7/28/2011 06:01:18 | 19.33  |                 |              | 8.32            | 7.92 | 3.4               | 1.38            | 103.4 |
| 1312     | 7/28/2011 06:16:18 | 19.31  | 50.63           | 33.27        | 7.82            | 7.92 | 4.4               | 1.45            | 103.3 |
| 1313     | 7/28/2011 06:31:18 | 19.30  |                 |              | 8.14            | 7.91 | 5.8               | 1.53            | 101.2 |
| 1314     | 7/28/2011 06:46:18 | 19.31  |                 |              | 7.88            | 7.90 | 6.2               | 1.59            | 98.0  |
| 1315     | 7/28/2011 07:01:18 | 19.24  |                 |              | 7.98            | 7.90 | 4.2               | 1.67            | 99.0  |
| 1316     | 7/28/2011 07:16:18 | 19.20  |                 |              | 7.98            | 7.89 | 5.9               | 1.75            | 99.0  |
| 1317     | 7/28/2011 07:31:18 | 19.13  |                 |              | 8.05            | 7.90 | 4.9               | 1.83            | 99.7  |
| 1318     | 7/28/2011 07:46:18 | 18.99  |                 |              | 8.14            | 7.90 | 4.3               | 1.92            | 100.6 |
| 1319     | 7/28/2011 08:01:18 | 18.86  | 50.46           | 33.14        | 7.70            | 7.90 | 3.9               | 1.99            | 100.8 |
| 1320     | 7/28/2011 08:16:18 | 18.70  |                 |              | 8.15            | 7.90 | 3.6               | 2.09            | 100.0 |
| 1321     | 7/28/2011 08:31:18 | 18.53  |                 |              | 8.20            | 7.90 | 6.2               | 2.17            | 100.3 |
| 1322     | 7/28/2011 08:46:18 | 18.33  |                 |              | 8.27            | 7.90 | 4.8               | 2.27            | 100.7 |
| 1323     | 7/28/2011 09:01:19 | 18.22  |                 |              | 8.31            | 7.90 | 7.3               | 2.36            | 101.0 |
| 1324     | 7/28/2011 09:16:18 | 18.09  |                 |              | 8.32            | 7.90 | 5.2               | 2.44            | 100.9 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%    |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|--------|
| 1325     | 7/28/2011 09:31:18 | 18.02  |                 |              | 8.33            | 7.90 | 4.5               | 2.52            | 100.9  |
| 1326     | 7/28/2011 09:46:18 | 17.87  |                 |              | 8.39            | 7.90 | 6.1               | 2.61            | 101.3  |
| 1327     | 7/28/2011 10:01:18 | 17.66  | 50.47           | 33.15        | 7.89            | 7.90 | 4.2               | 2.65            | 101.0  |
| 1328     | 7/28/2011 10:16:18 | 17.50  |                 |              | 8.40            | 7.90 | 3.8               | 2.74            | 100.6  |
| 1329     | 7/28/2011 10:31:18 | 17.23  |                 |              | 8.54            | 7.90 | 3.6               | 2.82            | 101.4  |
| 1330     | 7/28/2011 10:46:18 | 16.96  |                 |              | 8.60            | 7.91 | 3.4               | 2.89            | 101.5  |
| 1331     | 7/28/2011 11:01:18 | 16.82  |                 |              | 8.65            | 7.91 | 2.9               | 2.93            | 101.9  |
| 1332     | 7/28/2011 11:16:18 | 16.51  |                 |              | 8.70            | 7.90 | 2.9               | 2.99            | 102.0  |
| 1333     | 7/28/2011 11:31:18 | 16.06  |                 |              | 8.84            | 7.90 | 2.6               | 3.04            | 102.7  |
| 1334     | 7/28/2011 11:46:18 | 15.87  |                 |              | 8.81            | 7.90 | 9.9               | 3.06            | 101.9  |
| 1335     | 7/28/2011 12:01:18 | 15.74  |                 |              | 8.75            | 7.91 | 60.3              | 3.09            | 100.9  |
| 1336     | 7/28/2011 12:16:18 | 15.67  |                 |              | 8.40            | 7.88 | 3.1               | 3.10            | 96.7   |
| 1337     | 7/28/2011 12:31:18 | 15.79  |                 |              | 6.94            | 7.83 | 1.8               | 3.10            | 80.1   |
| 1338     | 7/28/2011 12:46:18 | 15.82  |                 |              | 7.61            | 7.87 | 2.2               | 3.08            | 87.9   |
|          | Mean               | 16.77  | 50.52           | 33.16        | 7.70            | 7.89 | 3.89              | 2.52            | 93.89  |
|          | Minimum            | 11.61  | 47.78           | 31.18        | 2.12            | 7.51 | 1.30              | 0.83            | 25.30  |
|          | Maximum            | 19.83  | 51.09           | 33.54        | 10.55           | 8.14 | 60.30             | 3.75            | 138.00 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

Conductivity/Salinity probe displaying inconsistent readings

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 0        | 7/28/2011 13:31:19 | 17.08  | 51.42  | 33.84        | 8.48    | 8.01 | 3.5        | 2.86            | 107.8 |
| 1        | 7/28/2011 13:46:19 | 17.55  | 51.39  | 33.82        | 8.53    | 8.02 | 3.0        | 2.79            | 109.4 |
| 2        | 7/28/2011 14:01:19 | 18.13  | 51.44  | 33.86        | 8.85    | 8.04 | 3.1        | 2.74            | 114.8 |
| 3        | 7/28/2011 14:16:19 | 18.12  | 51.43  | 33.86        | 8.64    | 8.04 | 2.9        | 2.67            | 112.0 |
| 4        | 7/28/2011 14:31:19 | 18.37  | 51.45  | 33.87        | 8.73    | 8.04 | 2.7        | 2.60            | 113.8 |
| 5        | 7/28/2011 14:46:18 | 18.59  | 51.42  | 33.85        | 8.79    | 8.05 | 2.5        | 2.56            | 115.0 |
| 6        | 7/28/2011 15:01:19 | 18.74  | 51.51  | 33.92        | 8.64    | 8.05 | 2.4        | 2.50            | 113.4 |
| 7        | 7/28/2011 15:16:19 | 18.97  | 51.49  | 33.90        | 8.77    | 8.05 | 2.4        | 2.44            | 115.5 |
| 8        | 7/28/2011 15:31:18 | 19.11  | 51.44  | 33.87        | 8.80    | 8.06 | 2.3        | 2.41            | 116.2 |
| 9        | 7/28/2011 15:46:18 | 19.22  | 51.38  | 33.83        | 8.44    | 8.03 | 1.8        | 2.39            | 111.8 |
| 10       | 7/28/2011 16:01:19 | 19.38  | 51.48  | 33.90        | 7.75    | 8.00 | 2.0        | 2.35            | 102.9 |
| 11       | 7/28/2011 16:16:18 | 19.54  | 51.51  | 33.92        | 7.83    | 8.02 | 2.0        | 2.32            | 104.3 |
| 12       | 7/28/2011 16:31:19 | 19.69  | 51.52  | 33.92        | 6.87    | 7.98 | 2.2        | 2.32            | 91.8  |
| 13       | 7/28/2011 16:46:19 | 19.68  | 51.55  | 33.95        | 8.49    | 8.04 | 2.3        | 2.31            | 113.4 |
| 14       | 7/28/2011 17:01:19 | 19.53  | 51.55  | 33.95        | 9.20    | 8.06 | 2.4        | 2.34            | 122.5 |
| 15       | 7/28/2011 17:16:19 | 19.59  | 51.40  | 33.83        | 9.54    | 8.08 | 2.6        | 2.35            | 127.1 |
| 16       | 7/28/2011 17:31:18 | 19.54  | 51.46  | 33.88        | 9.32    | 8.07 | 2.7        | 2.39            | 124.2 |
| 17       | 7/28/2011 17:46:18 | 19.51  | 51.51  | 33.92        | 9.37    | 8.07 | 3.2        | 2.45            | 124.7 |
| 18       | 7/28/2011 18:01:19 | 19.18  | 51.52  | 33.93        | 9.16    | 8.06 | 3.2        | 2.49            | 121.2 |
| 19       | 7/28/2011 18:16:19 | 19.42  | 51.47  | 33.89        | 9.27    | 8.06 | 4.2        | 2.55            | 123.1 |
| 20       | 7/28/2011 18:31:19 | 18.93  | 51.49  | 33.90        | 9.28    | 8.07 | 3.9        | 2.62            | 122.3 |
| 21       | 7/28/2011 18:46:19 | 18.40  | 51.44  | 33.86        | 8.92    | 8.04 | 3.7        | 2.69            | 116.2 |
| 22       | 7/28/2011 19:01:18 | 17.89  | 51.42  | 33.85        | 8.78    | 8.03 | 3.8        | 2.76            | 113.3 |
| 23       | 7/28/2011 19:16:19 | 17.30  | 51.43  | 33.85        | 8.74    | 8.02 | 4.3        | 2.83            | 111.5 |
| 24       | 7/28/2011 19:31:19 | 17.23  | 51.43  | 33.85        | 8.76    | 8.02 | 4.1        | 2.90            | 111.7 |
| 25       | 7/28/2011 19:46:19 | 16.70  | 51.40  | 33.82        | 8.71    | 8.01 | 5.7        | 2.99            | 109.9 |
| 26       | 7/28/2011 20:01:18 | 16.50  | 51.41  | 33.82        | 8.64    | 8.01 | 5.7        | 3.07            | 108.6 |
| 27       | 7/28/2011 20:16:19 | 16.26  | 51.36  | 33.79        | 8.63    | 8.00 | 4.5        | 3.14            | 108.0 |
| 28       | 7/28/2011 20:31:19 | 15.86  | 51.43  | 33.83        | 8.91    | 8.00 | 5.7        | 3.23            | 110.6 |
| 29       | 7/28/2011 20:46:19 | 15.33  | 51.40  | 33.80        | 9.01    | 8.00 | 7.4        | 3.32            | 110.7 |
| 30       | 7/28/2011 21:01:19 | 15.01  | 51.48  | 33.84        | 9.01    | 7.99 | 7.0        | 3.39            | 109.9 |
| 31       | 7/28/2011 21:16:19 | 14.62  | 51.43  | 33.80        | 8.96    | 7.98 | 6.3        | 3.48            | 108.5 |
| 32       | 7/28/2011 21:31:19 | 14.38  | 51.46  | 33.81        | 8.89    | 7.97 | 5.0        | 3.55            | 107.1 |
| 33       | 7/28/2011 21:46:19 | 14.07  | 51.45  | 33.80        | 8.80    | 7.96 | 4.3        | 3.62            | 105.4 |
| 34       | 7/28/2011 22:01:18 | 13.92  | 51.42  | 33.77        | 8.79    | 7.97 | 4.3        | 3.68            | 104.9 |
| 35       | 7/28/2011 22:16:19 | 13.77  | 51.46  | 33.80        | 8.67    | 7.92 | 3.2        | 3.71            | 103.2 |
| 36       | 7/28/2011 22:31:19 | 13.63  | 51.46  | 33.79        | 8.75    | 7.93 | 2.9        | 3.75            | 103.9 |
| 37       | 7/28/2011 22:46:19 | 13.52  | 51.54  | 33.85        | 8.69    | 7.95 | 2.4        | 3.77            | 102.9 |
| 38       | 7/28/2011 23:01:19 | 13.55  | 51.47  | 33.79        | 8.26    | 7.92 | 1.8        | 3.77            | 97.9  |
| 39       | 7/28/2011 23:16:19 | 13.72  | 51.57  | 33.87        | 8.25    | 7.94 | 2.2        | 3.74            | 98.1  |
| 40       | 7/28/2011 23:31:19 | 13.63  | 51.52  | 33.83        | 8.19    | 7.93 | 2.1        | 3.71            | 97.3  |
| 41       | 7/28/2011 23:46:18 | 14.27  | 51.41  | 33.77        | 8.21    | 7.95 | 2.0        | 3.66            | 98.7  |
| 42       | 7/29/2011 00:01:19 | 15.51  | 51.48  | 33.86        | 8.41    | 7.98 | 5.7        | 3.57            | 103.8 |
| 43       | 7/29/2011 00:16:19 | 15.48  | 51.48  | 33.86        | 8.29    | 7.97 | 5.1        | 3.47            | 102.2 |
| 44       | 7/29/2011 00:31:19 | 15.94  | 51.46  | 33.85        | 8.38    | 7.98 | 4.9        | 3.39            | 104.2 |
| 45       | 7/29/2011 00:46:19 | 15.94  | 51.41  | 33.82        | 8.52    | 7.99 | 5.4        | 3.29            | 105.9 |
| 46       | 7/29/2011 01:01:19 | 16.01  | 51.41  | 33.82        | 8.47    | 7.99 | 4.2        | 3.18            | 105.4 |
| 47       | 7/29/2011 01:16:19 | 16.20  | 51.45  | 33.85        | 8.48    | 7.99 | 5.7        | 3.05            | 106.0 |
| 48       | 7/29/2011 01:31:19 | 16.45  | 51.31  | 33.75        | 8.45    | 7.99 | 6.3        | 2.95            | 106.1 |
| 49       | 7/29/2011 01:46:19 | 16.82  | 51.45  | 33.86        | 8.20    | 7.99 | 7.5        | 2.84            | 103.8 |
| 50       | 7/29/2011 02:01:19 | 17.06  | 51.48  | 33.88        | 8.12    | 7.98 | 11.1       | 2.71            | 103.2 |
| 51       | 7/29/2011 02:16:18 | 17.65  | 51.39  | 33.82        | 7.88    | 8.00 | 8.4        | 2.58            | 101.3 |
| 52       | 7/29/2011 02:31:19 | 17.71  | 51.39  | 33.82        | 7.91    | 7.97 | 6.7        | 2.47            | 101.8 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 53       | 7/29/2011 02:46:19 | 18.03  | 51.49  | 33.90        | 7.72    | 7.98 | 6.5               | 2.35            | 100.0 |
| 54       | 7/29/2011 03:01:19 | 18.06  | 51.51  | 33.92        | 7.80    | 7.98 | 6.8               | 2.21            | 101.1 |
| 55       | 7/29/2011 03:16:19 | 18.09  | 51.51  | 33.92        | 7.78    | 7.98 | 7.2               | 2.06            | 100.8 |
| 56       | 7/29/2011 03:31:19 | 17.97  | 51.53  | 33.93        | 7.69    | 7.97 | 6.9               | 1.93            | 99.5  |
| 57       | 7/29/2011 03:46:19 | 18.19  | 51.58  | 33.97        | 7.71    | 7.97 | 5.7               | 1.80            | 100.2 |
| 58       | 7/29/2011 04:01:18 | 18.54  | 51.43  | 33.86        | 7.74    | 7.99 | 5.4               | 1.65            | 101.1 |
| 59       | 7/29/2011 04:16:19 | 18.82  | 51.48  | 33.90        | 7.76    | 7.99 | 4.3               | 1.51            | 101.9 |
| 60       | 7/29/2011 04:31:19 | 19.06  | 51.52  | 33.93        | 7.65    | 7.99 | 4.1               | 1.39            | 101.1 |
| 61       | 7/29/2011 04:46:18 | 19.21  | 51.53  | 33.93        | 7.61    | 7.99 | 3.6               | 1.30            | 100.8 |
| 62       | 7/29/2011 05:01:19 | 19.69  | 51.51  | 33.92        | 7.58    | 7.99 | 3.5               | 1.19            | 101.2 |
| 63       | 7/29/2011 05:16:19 | 19.62  | 51.64  | 34.02        | 7.26    | 7.98 | 3.2               | 1.12            | 96.9  |
| 64       | 7/29/2011 05:31:18 | 19.88  | 51.60  | 33.99        | 7.09    | 7.97 | 7.9               | 1.10            | 95.1  |
| 65       | 7/29/2011 05:46:19 | 19.78  | 51.74  | 34.09        | 7.28    | 7.98 | 4.9               | 1.08            | 97.5  |
| 66       | 7/29/2011 06:01:19 | 19.90  | 51.68  | 34.04        | 7.29    | 7.98 | 4.0               | 1.09            | 97.8  |
| 67       | 7/29/2011 06:16:19 | 20.00  | 51.64  | 34.02        | 7.73    | 8.00 | 3.2               | 1.15            | 103.9 |
| 68       | 7/29/2011 06:31:19 | 19.81  | 51.68  | 34.04        | 7.83    | 8.00 | 3.4               | 1.22            | 104.9 |
| 69       | 7/29/2011 06:46:19 | 19.96  | 51.64  | 34.02        | 7.76    | 8.00 | 3.7               | 1.28            | 104.3 |
| 70       | 7/29/2011 07:01:19 | 19.85  | 51.67  | 34.04        | 7.84    | 8.00 | 3.8               | 1.37            | 105.1 |
| 71       | 7/29/2011 07:16:18 | 19.95  | 51.26  | 33.73        | 7.55    | 7.99 | 6.8               | 1.46            | 101.3 |
| 72       | 7/29/2011 07:31:19 | 19.95  | 51.29  | 33.76        | 7.36    | 7.97 | 6.1               | 1.54            | 98.7  |
| 73       | 7/29/2011 07:46:19 | 19.86  | 51.38  | 33.82        | 7.46    | 7.97 | 5.3               | 1.62            | 99.9  |
| 74       | 7/29/2011 08:01:19 | 19.71  | 51.46  | 33.88        | 7.60    | 7.98 | 4.0               | 1.70            | 101.5 |
| 75       | 7/29/2011 08:16:19 | 19.56  | 51.48  | 33.90        | 7.63    | 7.99 | 4.9               | 1.79            | 101.7 |
| 76       | 7/29/2011 08:31:19 | 19.44  | 51.51  | 33.92        | 7.71    | 7.99 | 5.2               | 1.88            | 102.6 |
| 77       | 7/29/2011 08:46:19 | 19.29  | 51.50  | 33.91        | 7.59    | 7.99 | 4.3               | 1.98            | 100.6 |
| 78       | 7/29/2011 09:01:19 | 18.95  | 51.54  | 33.94        | 7.69    | 7.98 | 5.2               | 2.08            | 101.4 |
| 79       | 7/29/2011 09:16:18 | 18.74  | 51.44  | 33.87        | 7.61    | 7.98 | 3.6               | 2.18            | 99.8  |
| 80       | 7/29/2011 09:31:19 | 18.59  | 51.54  | 33.94        | 7.58    | 7.96 | 3.7               | 2.26            | 99.2  |
| 81       | 7/29/2011 09:46:19 | 18.42  | 51.55  | 33.95        | 7.64    | 7.97 | 3.9               | 2.37            | 99.6  |
| 82       | 7/29/2011 10:01:19 | 18.24  | 51.47  | 33.89        | 7.69    | 7.97 | 4.0               | 2.45            | 100.0 |
| 83       | 7/29/2011 10:16:18 | 18.02  | 51.47  | 33.89        | 7.59    | 7.97 | 3.6               | 2.55            | 98.3  |
| 84       | 7/29/2011 10:31:19 | 17.82  | 51.47  | 33.88        | 7.61    | 7.96 | 4.5               | 2.63            | 98.1  |
| 85       | 7/29/2011 10:46:19 | 17.50  | 51.44  | 33.86        | 7.77    | 7.96 | 3.5               | 2.72            | 99.6  |
| 86       | 7/29/2011 11:01:19 | 17.15  | 51.43  | 33.85        | 7.73    | 7.96 | 4.2               | 2.79            | 98.4  |
| 87       | 7/29/2011 11:16:19 | 16.86  | 51.44  | 33.85        | 7.82    | 7.96 | 3.8               | 2.87            | 99.0  |
| 88       | 7/29/2011 11:31:18 | 16.34  | 51.36  | 33.79        | 7.95    | 7.96 | 3.2               | 2.94            | 99.5  |
| 89       | 7/29/2011 11:46:19 | 16.00  | 51.45  | 33.85        | 8.06    | 7.95 | 3.5               | 3.00            | 100.3 |
| 90       | 7/29/2011 12:01:19 | 15.74  | 51.46  | 33.85        | 7.98    | 7.94 | 3.5               | 3.06            | 98.8  |
| 91       | 7/29/2011 12:16:19 | 15.60  | 51.34  | 33.76        | 7.83    | 7.95 | 3.3               | 3.10            | 96.6  |
| 92       | 7/29/2011 12:31:19 | 15.46  | 51.43  | 33.82        | 7.88    | 7.94 | 2.9               | 3.14            | 97.0  |
| 93       | 7/29/2011 12:46:18 | 15.29  | 51.41  | 33.80        | 8.06    | 7.96 | 2.7               | 3.17            | 98.8  |
| 94       | 7/29/2011 13:01:19 | 15.56  | 51.26  | 33.70        | 7.37    | 7.92 | 2.3               | 3.17            | 90.8  |
| 95       | 7/29/2011 13:16:19 | 15.49  | 51.47  | 33.85        | 8.21    | 7.96 | 2.6               | 3.15            | 101.2 |
| 96       | 7/29/2011 13:31:19 | 15.37  | 51.42  | 33.81        | 8.21    | 7.95 | 2.7               | 3.12            | 100.9 |
| 97       | 7/29/2011 13:46:19 | 15.57  | 51.39  | 33.79        | 8.10    | 7.95 | 2.9               | 3.08            | 99.9  |
| 98       | 7/29/2011 14:01:19 | 15.83  | 51.42  | 33.82        | 7.91    | 7.94 | 3.9               | 3.01            | 98.2  |
| 99       | 7/29/2011 14:16:19 | 16.17  | 51.40  | 33.81        | 8.11    | 7.95 | 5.3               | 2.93            | 101.3 |
| 100      | 7/29/2011 14:31:19 | 17.00  | 51.42  | 33.84        | 8.25    | 7.98 | 4.4               | 2.86            | 104.7 |
| 101      | 7/29/2011 14:46:19 | 17.82  | 51.42  | 33.85        | 8.55    | 8.01 | 3.9               | 2.79            | 110.2 |
| 102      | 7/29/2011 15:01:18 | 18.14  | 51.34  | 33.79        | 8.82    | 8.03 | 4.6               | 2.70            | 114.4 |
| 103      | 7/29/2011 15:16:18 | 18.33  | 51.45  | 33.88        | 8.78    | 8.03 | 5.3               | 2.62            | 114.3 |
| 104      | 7/29/2011 15:31:19 | 18.59  | 51.47  | 33.89        | 8.73    | 8.03 | 4.9               | 2.56            | 114.2 |
| 105      | 7/29/2011 15:46:19 | 18.83  | 51.51  | 33.92        | 8.79    | 8.04 | 3.7               | 2.50            | 115.6 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 106      | 7/29/2011 16:01:19 | 19.06  | 51.37  | 33.81        | 9.23    | 8.04 | 3.7        | 2.43            | 121.7 |
| 107      | 7/29/2011 16:16:18 | 19.22  | 51.50  | 33.91        | 9.16    | 8.04 | 3.5        | 2.38            | 121.3 |
| 108      | 7/29/2011 16:31:18 | 19.37  | 51.42  | 33.85        | 9.02    | 8.03 | 3.8        | 2.33            | 119.8 |
| 109      | 7/29/2011 16:46:18 | 19.58  | 51.50  | 33.91        | 9.10    | 8.03 | 2.9        | 2.29            | 121.3 |
| 110      | 7/29/2011 17:01:18 | 19.71  | 51.54  | 33.94        | 8.90    | 8.05 | 2.4        | 2.26            | 118.9 |
| 111      | 7/29/2011 17:16:19 | 19.83  | 51.55  | 33.95        | 8.92    | 8.06 | 2.7        | 2.24            | 119.4 |
| 112      | 7/29/2011 17:31:18 | 19.91  | 51.46  | 33.88        | 9.79    | 8.11 | 3.6        | 2.22            | 131.2 |
| 113      | 7/29/2011 17:46:18 | 19.86  | 51.51  | 33.92        | 9.69    | 8.10 | 3.5        | 2.23            | 129.9 |
| 114      | 7/29/2011 18:01:19 | 19.90  | 51.54  | 33.94        | 9.37    | 8.07 | 2.8        | 2.26            | 125.7 |
| 115      | 7/29/2011 18:16:19 | 19.73  | 51.54  | 33.94        | 9.28    | 8.07 | 3.4        | 2.29            | 124.1 |
| 116      | 7/29/2011 18:31:19 | 19.66  | 51.56  | 33.95        | 9.31    | 8.07 | 3.8        | 2.34            | 124.4 |
| 117      | 7/29/2011 18:46:19 | 19.41  | 51.41  | 33.85        | 9.16    | 8.06 | 4.7        | 2.40            | 121.7 |
| 118      | 7/29/2011 19:01:18 | 19.19  | 51.49  | 33.90        | 9.03    | 8.05 | 4.2        | 2.47            | 119.5 |
| 119      | 7/29/2011 19:16:18 | 19.06  | 51.51  | 33.92        | 9.05    | 8.06 | 4.8        | 2.54            | 119.5 |
| 120      | 7/29/2011 19:31:19 | 18.84  | 51.53  | 33.93        | 9.06    | 8.04 | 4.7        | 2.61            | 119.2 |
| 121      | 7/29/2011 19:46:19 | 18.47  | 51.51  | 33.92        | 8.97    | 8.03 | 5.5        | 2.69            | 117.2 |
| 122      | 7/29/2011 20:01:19 | 17.95  | 51.49  | 33.90        | 8.71    | 8.01 | 5.7        | 2.77            | 112.6 |
| 123      | 7/29/2011 20:16:19 | 17.40  | 51.47  | 33.88        | 8.53    | 7.99 | 5.1        | 2.85            | 109.1 |
| 124      | 7/29/2011 20:31:19 | 16.96  | 51.44  | 33.85        | 8.51    | 7.98 | 5.2        | 2.94            | 107.9 |
| 125      | 7/29/2011 20:46:19 | 16.69  | 51.47  | 33.87        | 8.51    | 7.98 | 6.7        | 3.02            | 107.3 |
| 126      | 7/29/2011 21:01:19 | 16.18  | 51.42  | 33.83        | 8.49    | 7.97 | 7.3        | 3.12            | 106.0 |
| 127      | 7/29/2011 21:16:19 | 15.40  | 51.47  | 33.85        | 8.49    | 7.95 | 7.9        | 3.21            | 104.4 |
| 128      | 7/29/2011 21:31:19 | 14.98  | 51.49  | 33.85        | 8.62    | 7.95 | 8.9        | 3.30            | 105.2 |
| 129      | 7/29/2011 21:46:19 | 14.56  | 51.53  | 33.87        | 8.79    | 7.94 | 10.2       | 3.39            | 106.3 |
| 130      | 7/29/2011 22:01:19 | 14.17  | 51.50  | 33.84        | 8.85    | 7.94 | 8.5        | 3.48            | 106.2 |
| 131      | 7/29/2011 22:16:18 | 13.99  | 51.42  | 33.77        | 8.89    | 7.95 | 8.6        | 3.55            | 106.3 |
| 132      | 7/29/2011 22:31:19 | 13.86  | 51.43  | 33.77        | 9.02    | 7.94 | 7.6        | 3.63            | 107.6 |
| 133      | 7/29/2011 22:46:19 | 13.68  | 51.47  | 33.80        | 9.15    | 8.00 | 7.1        | 3.69            | 108.8 |
| 134      | 7/29/2011 23:01:19 | 13.60  | 51.42  | 33.76        | 9.20    | 7.95 | 5.2        | 3.74            | 109.1 |
| 135      | 7/29/2011 23:16:19 | 13.57  | 51.45  | 33.78        | 9.19    | 7.95 | 2.9        | 3.78            | 108.9 |
| 136      | 7/29/2011 23:31:19 | 13.57  | 51.45  | 33.78        | 9.19    | 7.96 | 3.1        | 3.81            | 109.0 |
| 137      | 7/29/2011 23:46:19 | 13.68  | 51.45  | 33.78        | 8.86    | 7.94 | 2.6        | 3.82            | 105.3 |
| 138      | 7/30/2011 00:01:19 | 13.82  | 51.43  | 33.77        | 8.57    | 7.92 | 2.4        | 3.80            | 102.1 |
| 139      | 7/30/2011 00:16:19 | 13.69  | 51.47  | 33.80        | 8.92    | 7.88 | 2.4        | 3.77            | 106.0 |
| 140      | 7/30/2011 00:31:19 | 14.39  | 51.49  | 33.84        | 8.58    | 7.94 | 3.5        | 3.73            | 103.5 |
| 141      | 7/30/2011 00:46:19 | 14.86  | 51.43  | 33.81        | 7.95    | 7.91 | 5.7        | 3.65            | 96.7  |
| 142      | 7/30/2011 01:01:19 | 14.67  | 51.45  | 33.82        | 8.25    | 7.92 | 5.9        | 3.56            | 100.1 |
| 143      | 7/30/2011 01:16:19 | 15.21  | 51.44  | 33.83        | 8.24    | 7.94 | 7.3        | 3.46            | 101.0 |
| 144      | 7/30/2011 01:31:19 | 15.41  | 51.48  | 33.86        | 8.33    | 7.95 | 8.3        | 3.35            | 102.5 |
| 145      | 7/30/2011 01:46:19 | 15.38  | 51.47  | 33.85        | 8.36    | 7.95 | 13.8       | 3.23            | 102.8 |
| 146      | 7/30/2011 02:01:19 | 15.48  | 51.51  | 33.88        | 8.37    | 7.95 | 9.8        | 3.11            | 103.1 |
| 147      | 7/30/2011 02:16:19 | 15.77  | 51.46  | 33.85        | 8.30    | 7.95 | 9.1        | 2.98            | 102.8 |
| 148      | 7/30/2011 02:31:19 | 16.10  | 51.56  | 33.93        | 8.22    | 7.96 | 7.1        | 2.86            | 102.6 |
| 149      | 7/30/2011 02:46:19 | 16.74  | 51.52  | 33.91        | 7.94    | 7.95 | 6.3        | 2.73            | 100.3 |
| 150      | 7/30/2011 03:01:19 | 17.18  | 51.48  | 33.88        | 7.90    | 7.96 | 8.4        | 2.59            | 100.6 |
| 151      | 7/30/2011 03:16:19 | 17.70  | 51.55  | 33.94        | 7.72    | 7.97 | 12.1       | 2.46            | 99.3  |
| 152      | 7/30/2011 03:31:19 | 17.70  | 51.55  | 33.94        | 7.55    | 7.96 | 8.9        | 2.31            | 97.2  |
| 153      | 7/30/2011 03:46:19 | 17.72  | 51.58  | 33.97        | 7.57    | 7.96 | 9.2        | 2.17            | 97.5  |
| 154      | 7/30/2011 04:01:19 | 17.69  | 51.53  | 33.93        | 7.63    | 7.96 | 10.3       | 2.02            | 98.2  |
| 155      | 7/30/2011 04:16:19 | 17.92  | 51.57  | 33.96        | 7.56    | 7.96 | 10.6       | 1.87            | 97.8  |
| 156      | 7/30/2011 04:31:19 | 17.91  | 51.58  | 33.97        | 7.45    | 7.95 | 9.2        | 1.72            | 96.3  |
| 157      | 7/30/2011 04:46:19 | 18.27  | 51.50  | 33.91        | 7.46    | 7.97 | 9.2        | 1.57            | 97.0  |
| 158      | 7/30/2011 05:01:19 | 18.47  | 51.63  | 34.00        | 7.51    | 7.97 | 8.6        | 1.43            | 98.1  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 159      | 7/30/2011 05:16:19 | 18.73  | 51.60  | 33.98        | 7.53    | 7.98 | 8.4        | 1.30   | 98.9  |
| 160      | 7/30/2011 05:31:19 | 18.98  | 51.64  | 34.01        | 7.50    | 7.98 | 8.5        | 1.18   | 98.9  |
| 161      | 7/30/2011 05:46:19 | 19.04  | 51.68  | 34.05        | 7.43    | 7.98 | 7.8        | 1.08   | 98.1  |
| 162      | 7/30/2011 06:01:19 | 19.26  | 51.67  | 34.04        | 7.30    | 7.97 | 6.5        | 1.02   | 96.7  |
| 163      | 7/30/2011 06:16:18 | 19.23  | 51.68  | 34.05        | 6.84    | 7.96 | 5.1        | 0.99   | 90.7  |
| 164      | 7/30/2011 06:31:18 | 19.15  | 51.53  | 33.93        | 7.38    | 7.98 | 5.5        | 1.00   | 97.6  |
| 165      | 7/30/2011 06:46:18 | 19.46  | 51.72  | 34.08        | 7.49    | 8.00 | 4.2        | 1.04   | 99.7  |
| 166      | 7/30/2011 07:01:19 | 19.58  | 51.75  | 34.09        | 7.49    | 7.99 | 3.8        | 1.11   | 99.9  |
| 167      | 7/30/2011 07:16:19 | 19.66  | 51.77  | 34.11        | 7.48    | 8.00 | 4.6        | 1.19   | 100.0 |
| 168      | 7/30/2011 07:31:19 | 19.66  | 51.65  | 34.02        | 7.55    | 8.00 | 4.8        | 1.28   | 100.9 |
| 169      | 7/30/2011 07:46:19 | 19.52  | 51.67  | 34.04        | 7.50    | 8.00 | 5.6        | 1.37   | 100.0 |
| 170      | 7/30/2011 08:01:19 | 19.50  | 51.27  | 33.74        | 7.23    | 7.97 | 7.8        | 1.44   | 96.1  |
| 171      | 7/30/2011 08:16:18 | 19.48  | 51.31  | 33.78        | 7.14    | 7.97 | 7.6        | 1.55   | 94.9  |
| 172      | 7/30/2011 08:31:19 | 19.38  | 51.46  | 33.88        | 7.34    | 7.98 | 6.0        | 1.63   | 97.4  |
| 173      | 7/30/2011 08:46:19 | 19.20  | 51.48  | 33.90        | 7.44    | 7.98 | 5.3        | 1.73   | 98.5  |
| 174      | 7/30/2011 09:01:18 | 19.12  | 51.51  | 33.92        | 7.47    | 7.99 | 5.7        | 1.82   | 98.7  |
| 175      | 7/30/2011 09:16:18 | 19.00  | 51.37  | 33.81        | 7.48    | 7.99 | 5.3        | 1.92   | 98.6  |
| 176      | 7/30/2011 09:31:18 | 18.73  | 51.51  | 33.92        | 7.51    | 7.98 | 6.7        | 2.04   | 98.5  |
| 177      | 7/30/2011 09:46:19 | 18.59  | 51.54  | 33.94        | 7.53    | 7.97 | 6.7        | 2.13   | 98.6  |
| 178      | 7/30/2011 10:01:18 | 18.46  | 51.51  | 33.92        | 7.53    | 7.97 | 6.7        | 2.24   | 98.3  |
| 179      | 7/30/2011 10:16:19 | 18.28  | 51.59  | 33.98        | 7.55    | 7.96 | 7.6        | 2.35   | 98.3  |
| 180      | 7/30/2011 10:31:19 | 18.09  | 51.59  | 33.98        | 7.58    | 7.96 | 7.1        | 2.45   | 98.3  |
| 181      | 7/30/2011 10:46:19 | 17.84  | 51.58  | 33.96        | 7.61    | 7.96 | 7.4        | 2.56   | 98.2  |
| 182      | 7/30/2011 11:01:19 | 17.61  | 51.48  | 33.89        | 7.62    | 7.95 | 7.6        | 2.65   | 97.8  |
| 183      | 7/30/2011 11:16:19 | 17.18  | 51.47  | 33.88        | 7.73    | 7.95 | 8.5        | 2.74   | 98.5  |
| 184      | 7/30/2011 11:31:19 | 16.78  | 51.52  | 33.91        | 7.81    | 7.94 | 9.0        | 2.83   | 98.8  |
| 185      | 7/30/2011 11:46:19 | 16.28  | 51.50  | 33.89        | 7.93    | 7.94 | 8.5        | 2.91   | 99.3  |
| 186      | 7/30/2011 12:01:19 | 15.83  | 51.46  | 33.85        | 8.10    | 7.94 | 7.8        | 2.99   | 100.5 |
| 187      | 7/30/2011 12:16:19 | 15.47  | 51.38  | 33.79        | 8.23    | 7.94 | 9.1        | 3.07   | 101.3 |
| 188      | 7/30/2011 12:31:19 | 15.26  | 51.43  | 33.82        | 8.39    | 7.95 | 7.6        | 3.13   | 102.8 |
| 189      | 7/30/2011 12:46:18 | 15.05  | 51.33  | 33.74        | 8.58    | 7.96 | 6.5        | 3.19   | 104.8 |
| 190      | 7/30/2011 13:01:19 | 14.81  | 51.44  | 33.81        | 8.81    | 7.96 | 5.0        | 3.25   | 107.1 |
| 191      | 7/30/2011 13:16:19 | 14.52  | 51.39  | 33.77        | 9.09    | 7.97 | 3.8        | 3.27   | 109.8 |
| 192      | 7/30/2011 13:31:19 | 14.61  | 51.46  | 33.82        | 8.87    | 7.97 | 3.1        | 3.29   | 107.4 |
| 193      | 7/30/2011 13:46:19 | 14.76  | 51.40  | 33.79        | 8.71    | 7.96 | 4.1        | 3.28   | 105.8 |
| 194      | 7/30/2011 14:01:19 | 14.62  | 51.43  | 33.80        | 8.89    | 7.97 | 3.8        | 3.26   | 107.6 |
| 195      | 7/30/2011 14:16:19 | 14.83  | 51.45  | 33.82        | 8.51    | 7.95 | 5.9        | 3.20   | 103.5 |
| 196      | 7/30/2011 14:31:19 | 15.36  | 51.33  | 33.75        | 8.40    | 7.94 | 8.9        | 3.12   | 103.2 |
| 197      | 7/30/2011 14:46:19 | 15.73  | 51.47  | 33.85        | 8.41    | 7.96 | 7.9        | 3.04   | 104.1 |
| 198      | 7/30/2011 15:01:19 | 16.63  | 51.45  | 33.86        | 8.51    | 7.97 | 8.0        | 2.95   | 107.2 |
| 199      | 7/30/2011 15:16:19 | 17.20  | 51.47  | 33.88        | 8.60    | 7.98 | 6.2        | 2.86   | 109.5 |
| 200      | 7/30/2011 15:31:19 | 17.56  | 51.50  | 33.91        | 8.56    | 7.99 | 7.0        | 2.77   | 109.8 |
| 201      | 7/30/2011 15:46:19 | 17.88  | 51.41  | 33.84        | 8.66    | 8.00 | 8.5        | 2.68   | 111.8 |
| 202      | 7/30/2011 16:01:18 | 18.14  | 51.45  | 33.87        | 8.65    | 8.01 | 5.1        | 2.59   | 112.3 |
| 203      | 7/30/2011 16:16:19 | 18.44  | 51.50  | 33.91        | 8.90    | 8.03 | 4.3        | 2.52   | 116.2 |
| 204      | 7/30/2011 16:31:19 | 18.67  | 51.54  | 33.94        | 9.09    | 8.05 | 4.6        | 2.44   | 119.1 |
| 205      | 7/30/2011 16:46:19 | 18.87  | 51.54  | 33.94        | 9.34    | 8.06 | 4.3        | 2.36   | 122.9 |
| 206      | 7/30/2011 17:01:19 | 19.10  | 51.52  | 33.93        | 9.41    | 8.06 | 3.8        | 2.30   | 124.4 |
| 207      | 7/30/2011 17:16:19 | 19.19  | 51.54  | 33.94        | 9.37    | 8.06 | 2.9        | 2.25   | 124.0 |
| 208      | 7/30/2011 17:31:19 | 19.44  | 51.53  | 33.94        | 9.07    | 8.06 | 3.0        | 2.19   | 120.6 |
| 209      | 7/30/2011 17:46:19 | 19.67  | 51.60  | 33.99        | 9.44    | 8.09 | 3.0        | 2.14   | 126.1 |
| 210      | 7/30/2011 18:01:19 | 19.81  | 51.56  | 33.95        | 9.60    | 8.10 | 2.7        | 2.12   | 128.5 |
| 211      | 7/30/2011 18:16:18 | 19.88  | 51.50  | 33.91        | 8.72    | 8.04 | 2.1        | 2.10   | 116.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 212      | 7/30/2011 18:31:19 | 19.88  | 51.62  | 34.00        | 8.28    | 8.04 | 3.0               | 2.10            | 111.1 |
| 213      | 7/30/2011 18:46:19 | 19.87  | 51.62  | 34.00        | 9.49    | 8.08 | 2.8               | 2.12            | 127.3 |
| 214      | 7/30/2011 19:01:19 | 19.77  | 51.62  | 34.00        | 9.34    | 8.07 | 3.0               | 2.17            | 125.0 |
| 215      | 7/30/2011 19:16:19 | 19.72  | 51.59  | 33.98        | 9.05    | 8.06 | 4.2               | 2.21            | 121.0 |
| 216      | 7/30/2011 19:31:19 | 19.61  | 51.59  | 33.98        | 8.82    | 8.04 | 4.5               | 2.28            | 117.7 |
| 217      | 7/30/2011 19:46:19 | 19.63  | 51.52  | 33.92        | 8.79    | 8.04 | 7.2               | 2.36            | 117.3 |
| 218      | 7/30/2011 20:01:19 | 19.38  | 51.56  | 33.96        | 8.78    | 8.03 | 6.1               | 2.44            | 116.6 |
| 219      | 7/30/2011 20:16:19 | 19.04  | 51.45  | 33.88        | 8.79    | 8.03 | 4.6               | 2.52            | 116.0 |
| 220      | 7/30/2011 20:31:19 | 18.68  | 51.55  | 33.95        | 8.76    | 8.02 | 5.7               | 2.61            | 114.9 |
| 221      | 7/30/2011 20:46:19 | 18.05  | 51.50  | 33.91        | 8.49    | 7.99 | 5.2               | 2.69            | 110.0 |
| 222      | 7/30/2011 21:01:19 | 17.51  | 51.46  | 33.88        | 8.28    | 7.97 | 5.8               | 2.77            | 106.2 |
| 223      | 7/30/2011 21:16:19 | 17.17  | 51.48  | 33.89        | 8.30    | 7.97 | 6.1               | 2.87            | 105.8 |
| 224      | 7/30/2011 21:31:19 | 16.95  | 51.48  | 33.88        | 8.31    | 7.97 | 6.5               | 2.95            | 105.3 |
| 225      | 7/30/2011 21:46:18 | 16.42  | 51.30  | 33.75        | 8.47    | 7.97 | 7.7               | 3.04            | 106.2 |
| 226      | 7/30/2011 22:01:19 | 15.90  | 51.44  | 33.83        | 8.57    | 7.96 | 8.2               | 3.14            | 106.5 |
| 227      | 7/30/2011 22:16:19 | 15.42  | 51.43  | 33.82        | 8.78    | 7.97 | 10.4              | 3.23            | 108.1 |
| 228      | 7/30/2011 22:31:19 | 14.74  | 51.42  | 33.80        | 9.07    | 7.97 | 11.4              | 3.33            | 110.1 |
| 229      | 7/30/2011 22:46:19 | 14.43  | 51.42  | 33.79        | 9.24    | 7.97 | 11.9              | 3.42            | 111.4 |
| 230      | 7/30/2011 23:01:19 | 13.93  | 51.43  | 33.78        | 9.61    | 7.99 | 12.3              | 3.52            | 114.7 |
| 231      | 7/30/2011 23:16:19 | 13.68  | 51.27  | 33.65        | 9.77    | 7.99 | 12.1              | 3.60            | 116.0 |
| 232      | 7/30/2011 23:31:19 | 13.42  | 51.31  | 33.67        | 9.95    | 8.00 | 10.2              | 3.67            | 117.5 |
| 233      | 7/30/2011 23:46:19 | 13.31  | 51.30  | 33.66        | 10.06   | 8.01 | 8.9               | 3.74            | 118.6 |
| 234      | 7/31/2011 00:01:19 | 13.21  | 51.30  | 33.66        | 10.14   | 8.01 | 5.9               | 3.79            | 119.2 |
| 235      | 7/31/2011 00:16:19 | 13.26  | 51.29  | 33.65        | 10.00   | 8.01 | 4.3               | 3.82            | 117.6 |
| 236      | 7/31/2011 00:31:19 | 13.19  | 51.38  | 33.71        | 9.86    | 8.05 | 3.2               | 3.84            | 116.0 |
| 237      | 7/31/2011 00:46:19 | 13.29  | 51.31  | 33.67        | 9.37    | 7.92 | 4.3               | 3.84            | 110.4 |
| 238      | 7/31/2011 01:01:19 | 13.29  | 51.33  | 33.68        | 9.97    | 8.01 | 4.9               | 3.81            | 117.4 |
| 239      | 7/31/2011 01:16:19 | 13.94  | 51.38  | 33.74        | 9.47    | 7.92 | 5.6               | 3.77            | 113.0 |
| 240      | 7/31/2011 01:31:19 | 14.62  | 51.42  | 33.79        | 8.74    | 7.95 | 6.9               | 3.69            | 105.8 |
| 241      | 7/31/2011 01:46:19 | 14.34  | 51.42  | 33.78        | 9.00    | 7.96 | 8.5               | 3.59            | 108.3 |
| 242      | 7/31/2011 02:01:19 | 14.74  | 51.41  | 33.79        | 8.89    | 7.97 | 6.2               | 3.49            | 108.0 |
| 243      | 7/31/2011 02:16:19 | 15.34  | 51.27  | 33.70        | 8.67    | 7.96 | 7.6               | 3.37            | 106.4 |
| 244      | 7/31/2011 02:31:19 | 15.20  | 51.42  | 33.81        | 8.76    | 7.96 | 7.0               | 3.24            | 107.3 |
| 245      | 7/31/2011 02:46:19 | 15.17  | 51.31  | 33.73        | 8.74    | 7.97 | 13.6              | 3.11            | 106.9 |
| 246      | 7/31/2011 03:01:19 | 15.56  | 51.43  | 33.82        | 8.59    | 7.96 | 7.6               | 2.99            | 105.9 |
| 247      | 7/31/2011 03:16:19 | 16.14  | 51.34  | 33.77        | 8.16    | 7.94 | 6.1               | 2.85            | 101.8 |
| 248      | 7/31/2011 03:31:19 | 16.71  | 51.46  | 33.87        | 7.84    | 7.94 | 7.8               | 2.71            | 98.9  |
| 249      | 7/31/2011 03:46:19 | 17.13  | 51.42  | 33.84        | 7.73    | 7.94 | 8.2               | 2.57            | 98.4  |
| 250      | 7/31/2011 04:01:19 | 17.23  | 51.44  | 33.86        | 7.69    | 7.93 | 8.7               | 2.43            | 98.1  |
| 251      | 7/31/2011 04:16:19 | 17.22  | 51.51  | 33.91        | 7.70    | 7.94 | 10.4              | 2.28            | 98.2  |
| 252      | 7/31/2011 04:31:19 | 17.32  | 51.53  | 33.92        | 7.78    | 7.95 | 11.8              | 2.13            | 99.4  |
| 253      | 7/31/2011 04:46:19 | 17.42  | 51.54  | 33.93        | 7.68    | 7.95 | 9.6               | 1.99            | 98.3  |
| 254      | 7/31/2011 05:01:19 | 17.63  | 51.56  | 33.95        | 7.55    | 7.95 | 10.0              | 1.83            | 97.0  |
| 255      | 7/31/2011 05:16:19 | 17.76  | 51.54  | 33.94        | 7.43    | 7.94 | 9.0               | 1.68            | 95.7  |
| 256      | 7/31/2011 05:31:19 | 18.03  | 51.57  | 33.96        | 7.35    | 7.94 | 8.9               | 1.53            | 95.2  |
| 257      | 7/31/2011 05:46:19 | 18.31  | 51.49  | 33.90        | 7.33    | 7.94 | 8.2               | 1.37            | 95.5  |
| 258      | 7/31/2011 06:01:19 | 18.41  | 51.54  | 33.94        | 7.31    | 7.94 | 7.6               | 1.25            | 95.3  |
| 259      | 7/31/2011 06:16:19 | 18.70  | 51.59  | 33.98        | 7.20    | 7.95 | 6.9               | 1.14            | 94.5  |
| 260      | 7/31/2011 06:31:19 | 18.77  | 51.60  | 33.98        | 7.18    | 7.95 | 6.7               | 1.05            | 94.3  |
| 261      | 7/31/2011 06:46:18 | 18.87  | 51.52  | 33.93        | 6.89    | 7.95 | 5.0               | 0.98            | 90.6  |
| 262      | 7/31/2011 07:01:19 | 18.76  | 51.88  | 34.19        | 7.03    | 7.94 | 4.5               | 0.96            | 92.5  |
| 263      | 7/31/2011 07:16:19 | 18.97  | 51.67  | 34.04        | 7.26    | 7.94 | 4.5               | 1.00            | 95.8  |
| 264      | 7/31/2011 07:31:19 | 19.17  | 51.65  | 34.02        | 7.29    | 7.95 | 4.0               | 1.05            | 96.5  |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 265      | 7/31/2011 07:46:19 | 19.45  | 51.70  | 34.06        | 7.25    | 7.97 | 4.0        | 1.16            | 96.5  |
| 266      | 7/31/2011 08:01:18 | 19.62  | 51.63  | 34.01        | 7.24    | 7.97 | 4.2        | 1.24            | 96.6  |
| 267      | 7/31/2011 08:16:19 | 19.50  | 51.69  | 34.05        | 7.22    | 7.97 | 4.0        | 1.34            | 96.2  |
| 268      | 7/31/2011 08:31:19 | 19.47  | 51.27  | 33.74        | 6.92    | 7.93 | 5.6        | 1.43            | 92.0  |
| 269      | 7/31/2011 08:46:19 | 19.45  | 51.30  | 33.77        | 6.78    | 7.92 | 5.7        | 1.51            | 90.1  |
| 270      | 7/31/2011 09:01:19 | 19.32  | 51.41  | 33.84        | 7.03    | 7.94 | 4.9        | 1.61            | 93.2  |
| 271      | 7/31/2011 09:16:19 | 19.09  | 51.48  | 33.89        | 7.16    | 7.95 | 4.0        | 1.71            | 94.5  |
| 272      | 7/31/2011 09:31:18 | 18.98  | 51.43  | 33.86        | 7.14    | 7.95 | 3.9        | 1.79            | 94.1  |
| 273      | 7/31/2011 09:46:19 | 18.84  | 51.53  | 33.94        | 7.22    | 7.95 | 3.8        | 1.91            | 95.0  |
| 274      | 7/31/2011 10:01:19 | 18.49  | 51.53  | 33.93        | 7.27    | 7.94 | 3.6        | 2.02            | 95.0  |
| 275      | 7/31/2011 10:16:19 | 18.34  | 51.53  | 33.93        | 7.34    | 7.94 | 3.7        | 2.13            | 95.6  |
| 276      | 7/31/2011 10:31:19 | 18.25  | 51.52  | 33.92        | 7.34    | 7.94 | 3.9        | 2.24            | 95.5  |
| 277      | 7/31/2011 10:46:19 | 18.08  | 51.58  | 33.97        | 7.38    | 7.94 | 4.2        | 2.36            | 95.7  |
| 278      | 7/31/2011 11:01:19 | 17.85  | 51.55  | 33.94        | 7.39    | 7.93 | 3.8        | 2.46            | 95.4  |
| 279      | 7/31/2011 11:16:19 | 17.66  | 51.47  | 33.88        | 7.43    | 7.93 | 4.5        | 2.57            | 95.6  |
| 280      | 7/31/2011 11:31:19 | 17.46  | 51.50  | 33.91        | 7.45    | 7.93 | 4.5        | 2.67            | 95.5  |
| 281      | 7/31/2011 11:46:19 | 16.95  | 51.46  | 33.87        | 7.66    | 7.93 | 5.7        | 2.76            | 97.2  |
| 282      | 7/31/2011 12:01:19 | 16.57  | 51.49  | 33.88        | 7.81    | 7.94 | 5.7        | 2.86            | 98.4  |
| 283      | 7/31/2011 12:16:19 | 15.80  | 51.43  | 33.83        | 8.23    | 7.95 | 7.9        | 2.95            | 102.0 |
| 284      | 7/31/2011 12:31:19 | 15.29  | 51.45  | 33.83        | 8.52    | 7.96 | 7.4        | 3.04            | 104.5 |
| 285      | 7/31/2011 12:46:19 | 15.00  | 51.42  | 33.80        | 8.62    | 7.89 | 9.8        | 3.12            | 105.2 |
| 286      | 7/31/2011 13:01:19 | 14.65  | 51.39  | 33.77        | 8.70    | 7.96 | 7.4        | 3.21            | 105.4 |
| 287      | 7/31/2011 13:16:19 | 14.21  | 51.36  | 33.74        | 8.76    | 7.95 | 6.8        | 3.29            | 105.2 |
| 288      | 7/31/2011 13:31:19 | 13.80  | 51.40  | 33.76        | 8.65    | 7.99 | 4.5        | 3.34            | 103.0 |
| 289      | 7/31/2011 13:46:19 | 13.51  | 51.48  | 33.80        | 8.60    | 7.87 | 4.2        | 3.38            | 101.8 |
| 290      | 7/31/2011 14:01:19 | 13.41  | 51.30  | 33.67        | 8.35    | 7.92 | 3.3        | 3.41            | 98.6  |
| 291      | 7/31/2011 14:16:19 | 13.61  | 51.35  | 33.71        | 8.42    | 7.92 | 10.5       | 3.41            | 99.8  |
| 292      | 7/31/2011 14:31:19 | 13.41  | 51.44  | 33.76        | 8.56    | 7.93 | 4.6        | 3.38            | 101.1 |
| 293      | 7/31/2011 14:46:19 | 13.50  | 51.42  | 33.76        | 8.87    | 7.87 | 8.9        | 3.34            | 104.9 |
| 294      | 7/31/2011 15:01:19 | 14.24  | 51.37  | 33.75        | 8.94    | 7.95 | 13.7       | 3.25            | 107.4 |
| 295      | 7/31/2011 15:16:19 | 15.14  | 51.40  | 33.79        | 8.75    | 7.97 | 15.1       | 3.16            | 107.1 |
| 296      | 7/31/2011 15:31:19 | 15.89  | 51.39  | 33.80        | 8.86    | 7.96 | 8.4        | 3.07            | 110.0 |
| 297      | 7/31/2011 15:46:19 | 16.59  | 51.43  | 33.85        | 8.71    | 7.98 | 10.8       | 2.95            | 109.7 |
| 298      | 7/31/2011 16:01:19 | 17.07  | 51.47  | 33.87        | 8.16    | 7.96 | 6.5        | 2.85            | 103.8 |
| 299      | 7/31/2011 16:16:19 | 17.31  | 51.46  | 33.88        | 8.43    | 7.97 | 5.5        | 2.76            | 107.7 |
| 300      | 7/31/2011 16:31:19 | 17.59  | 51.47  | 33.89        | 8.25    | 7.95 | 5.1        | 2.66            | 105.9 |
| 301      | 7/31/2011 16:46:19 | 18.00  | 51.35  | 33.80        | 8.36    | 7.99 | 4.6        | 2.56            | 108.1 |
| 302      | 7/31/2011 17:01:18 | 17.92  | 51.30  | 33.76        | 7.61    | 7.93 | 4.2        | 2.47            | 98.2  |
| 303      | 7/31/2011 17:16:18 | 18.08  | 51.44  | 33.86        | 7.77    | 7.96 | 3.3        | 2.39            | 100.7 |
| 304      | 7/31/2011 17:31:19 | 18.35  | 51.50  | 33.91        | 8.23    | 7.96 | 5.1        | 2.31            | 107.1 |
| 305      | 7/31/2011 17:46:19 | 18.61  | 51.51  | 33.92        | 8.40    | 8.00 | 3.3        | 2.21            | 109.9 |
| 306      | 7/31/2011 18:01:19 | 18.68  | 51.51  | 33.92        | 8.36    | 7.99 | 3.1        | 2.15            | 109.6 |
| 307      | 7/31/2011 18:16:19 | 18.77  | 51.42  | 33.85        | 7.74    | 7.95 | 3.1        | 2.09            | 101.6 |
| 308      | 7/31/2011 18:31:19 | 18.96  | 51.56  | 33.96        | 8.06    | 7.96 | 3.0        | 2.01            | 106.2 |
| 309      | 7/31/2011 18:46:19 | 19.12  | 51.51  | 33.92        | 8.40    | 8.01 | 2.8        | 1.98            | 111.1 |
| 310      | 7/31/2011 19:01:19 | 19.46  | 51.48  | 33.90        | 8.66    | 8.03 | 3.7        | 1.97            | 115.2 |
| 311      | 7/31/2011 19:16:19 | 19.57  | 51.46  | 33.88        | 7.88    | 8.01 | 2.5        | 1.96            | 105.0 |
| 312      | 7/31/2011 19:31:19 | 19.89  | 51.60  | 33.98        | 8.91    | 8.04 | 3.2        | 1.98            | 119.5 |
| 313      | 7/31/2011 19:46:19 | 19.69  | 51.60  | 33.99        | 8.89    | 8.03 | 3.2        | 2.02            | 118.8 |
| 314      | 7/31/2011 20:01:19 | 19.68  | 51.63  | 34.01        | 8.77    | 8.02 | 4.8        | 2.08            | 117.2 |
| 315      | 7/31/2011 20:16:19 | 19.64  | 51.65  | 34.03        | 8.73    | 8.02 | 5.2        | 2.15            | 116.6 |
| 316      | 7/31/2011 20:31:19 | 19.79  | 51.44  | 33.87        | 8.65    | 8.01 | 8.7        | 2.24            | 115.7 |
| 317      | 7/31/2011 20:46:19 | 19.57  | 51.56  | 33.96        | 8.64    | 8.01 | 8.7        | 2.33            | 115.1 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 318      | 7/31/2011 21:01:19 | 19.16  | 51.56  | 33.95        | 8.69    | 8.01 | 7.8        | 2.42            | 114.9 |
| 319      | 7/31/2011 21:16:18 | 18.83  | 51.52  | 33.93        | 8.70    | 8.01 | 6.3        | 2.52            | 114.4 |
| 320      | 7/31/2011 21:31:19 | 18.13  | 51.56  | 33.95        | 8.55    | 7.99 | 6.5        | 2.60            | 111.0 |
| 321      | 7/31/2011 21:46:19 | 17.74  | 51.55  | 33.94        | 8.42    | 7.97 | 6.4        | 2.69            | 108.5 |
| 322      | 7/31/2011 22:01:19 | 17.44  | 51.44  | 33.86        | 8.45    | 7.97 | 5.9        | 2.78            | 108.2 |
| 323      | 7/31/2011 22:16:19 | 17.11  | 51.52  | 33.92        | 8.46    | 7.97 | 6.8        | 2.88            | 107.7 |
| 324      | 7/31/2011 22:31:19 | 16.58  | 51.49  | 33.88        | 8.59    | 7.96 | 8.7        | 2.97            | 108.2 |
| 325      | 7/31/2011 22:46:19 | 16.20  | 51.50  | 33.89        | 8.63    | 7.96 | 10.7       | 3.07            | 107.9 |
| 326      | 7/31/2011 23:01:19 | 15.58  | 51.41  | 33.81        | 8.75    | 7.96 | 11.2       | 3.17            | 108.0 |
| 327      | 7/31/2011 23:16:19 | 14.89  | 51.38  | 33.77        | 8.82    | 7.95 | 11.1       | 3.27            | 107.3 |
| 328      | 7/31/2011 23:31:19 | 14.38  | 51.42  | 33.78        | 8.91    | 7.94 | 12.7       | 3.37            | 107.4 |
| 329      | 7/31/2011 23:46:19 | 13.77  | 51.48  | 33.81        | 9.03    | 7.88 | 12.5       | 3.46            | 107.5 |
| 330      | 8/1/2011 00:01:19  | 13.33  | 51.48  | 33.80        | 9.09    | 7.93 | 13.7       | 3.55            | 107.3 |
| 331      | 8/1/2011 00:16:19  | 13.03  | 51.43  | 33.75        | 9.19    | 7.94 | 9.9        | 3.63            | 107.7 |
| 332      | 8/1/2011 00:31:19  | 12.92  | 51.53  | 33.81        | 9.24    | 7.94 | 9.6        | 3.71            | 108.0 |
| 333      | 8/1/2011 00:46:19  | 12.81  | 51.53  | 33.81        | 9.26    | 7.94 | 8.7        | 3.77            | 108.0 |
| 334      | 8/1/2011 01:01:19  | 12.71  | 51.54  | 33.81        | 9.18    | 7.94 | 5.7        | 3.80            | 106.9 |
| 335      | 8/1/2011 01:16:19  | 12.63  | 51.39  | 33.70        | 9.11    | 7.93 | 3.3        | 3.83            | 105.8 |
| 336      | 8/1/2011 01:31:18  | 12.89  | 51.28  | 33.63        | 8.80    | 7.93 | 3.4        | 3.83            | 102.8 |
| 337      | 8/1/2011 01:46:19  | 12.74  | 51.57  | 33.84        | 8.81    | 7.92 | 5.1        | 3.79            | 102.7 |
| 338      | 8/1/2011 02:01:19  | 12.91  | 51.53  | 33.81        | 8.76    | 7.91 | 13.2       | 3.74            | 102.4 |
| 339      | 8/1/2011 02:16:19  | 13.41  | 51.38  | 33.72        | 8.74    | 7.92 | 9.0        | 3.67            | 103.2 |
| 340      | 8/1/2011 02:31:19  | 13.92  | 51.43  | 33.78        | 8.45    | 7.85 | 10.3       | 3.57            | 100.9 |
| 341      | 8/1/2011 02:46:19  | 14.59  | 51.43  | 33.80        | 8.36    | 7.91 | 8.1        | 3.46            | 101.2 |
| 342      | 8/1/2011 03:01:19  | 15.01  | 51.49  | 33.85        | 8.31    | 7.92 | 14.4       | 3.33            | 101.5 |
| 343      | 8/1/2011 03:16:19  | 14.89  | 51.44  | 33.81        | 8.36    | 7.92 | 13.0       | 3.22            | 101.8 |
| 344      | 8/1/2011 03:31:19  | 15.16  | 51.48  | 33.85        | 8.38    | 7.93 | 15.7       | 3.09            | 102.6 |
| 345      | 8/1/2011 03:46:19  | 15.21  | 51.35  | 33.76        | 8.33    | 7.93 | 8.2        | 2.96            | 102.1 |
| 346      | 8/1/2011 04:01:19  | 16.23  | 51.54  | 33.92        | 7.88    | 7.92 | 13.9       | 2.82            | 98.6  |
| 347      | 8/1/2011 04:16:19  | 16.63  | 51.45  | 33.86        | 7.82    | 7.92 | 6.8        | 2.70            | 98.5  |
| 348      | 8/1/2011 04:31:19  | 16.96  | 51.44  | 33.86        | 7.74    | 7.93 | 9.0        | 2.57            | 98.2  |
| 349      | 8/1/2011 04:46:19  | 17.26  | 51.53  | 33.92        | 7.47    | 7.92 | 8.1        | 2.42            | 95.3  |
| 350      | 8/1/2011 05:01:19  | 17.15  | 51.53  | 33.92        | 7.55    | 7.92 | 9.6        | 2.27            | 96.2  |
| 351      | 8/1/2011 05:16:19  | 17.27  | 51.53  | 33.92        | 7.54    | 7.92 | 9.8        | 2.12            | 96.2  |
| 352      | 8/1/2011 05:31:19  | 17.55  | 51.63  | 34.00        | 7.55    | 7.93 | 9.6        | 1.97            | 96.9  |
| 353      | 8/1/2011 05:46:19  | 17.45  | 51.61  | 33.98        | 7.40    | 7.92 | 9.1        | 1.83            | 94.8  |
| 354      | 8/1/2011 06:01:19  | 17.72  | 51.58  | 33.96        | 7.31    | 7.91 | 9.8        | 1.67            | 94.1  |
| 355      | 8/1/2011 06:16:19  | 17.88  | 51.56  | 33.95        | 7.32    | 7.91 | 10.3       | 1.53            | 94.6  |
| 356      | 8/1/2011 06:31:19  | 18.27  | 51.66  | 34.03        | 7.28    | 7.92 | 9.5        | 1.40            | 94.7  |
| 357      | 8/1/2011 06:46:19  | 18.35  | 51.65  | 34.02        | 7.21    | 7.92 | 8.9        | 1.27            | 93.9  |
| 358      | 8/1/2011 07:01:19  | 18.58  | 51.69  | 34.05        | 7.13    | 7.92 | 11.7       | 1.17            | 93.4  |
| 359      | 8/1/2011 07:16:19  | 18.70  | 51.70  | 34.06        | 7.06    | 7.92 | 11.0       | 1.09            | 92.6  |
| 360      | 8/1/2011 07:31:19  | 18.82  | 51.74  | 34.09        | 7.06    | 7.92 | 10.9       | 1.05            | 92.8  |
| 361      | 8/1/2011 07:46:19  | 18.57  | 51.70  | 34.06        | 7.06    | 7.91 | 7.9        | 1.05            | 92.4  |
| 362      | 8/1/2011 08:01:19  | 18.90  | 51.77  | 34.11        | 7.08    | 7.93 | 5.7        | 1.09            | 93.3  |
| 363      | 8/1/2011 08:16:19  | 19.05  | 51.76  | 34.10        | 7.05    | 7.93 | 4.5        | 1.15            | 93.2  |
| 364      | 8/1/2011 08:31:19  | 19.22  | 51.78  | 34.12        | 7.07    | 7.94 | 5.9        | 1.24            | 93.8  |
| 365      | 8/1/2011 08:46:19  | 19.18  | 51.76  | 34.11        | 7.09    | 7.94 | 6.7        | 1.34            | 94.0  |
| 366      | 8/1/2011 09:01:19  | 19.08  | 51.65  | 34.03        | 7.01    | 7.92 | 7.3        | 1.43            | 92.7  |
| 367      | 8/1/2011 09:16:19  | 19.13  | 51.40  | 33.84        | 6.79    | 7.90 | 8.9        | 1.53            | 89.7  |
| 368      | 8/1/2011 09:31:19  | 19.06  | 51.50  | 33.91        | 6.86    | 7.91 | 7.8        | 1.63            | 90.6  |
| 369      | 8/1/2011 09:46:19  | 18.82  | 51.51  | 33.92        | 6.99    | 7.92 | 6.7        | 1.73            | 91.9  |
| 370      | 8/1/2011 10:01:19  | 18.73  | 51.57  | 33.96        | 7.02    | 7.92 | 6.0        | 1.83            | 92.1  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 371      | 8/1/2011 10:16:19 | 18.62  | 51.60  | 33.99        | 7.04    | 7.92 | 6.1        | 1.93            | 92.2  |
| 372      | 8/1/2011 10:31:19 | 18.32  | 51.60  | 33.98        | 7.14    | 7.92 | 7.1        | 2.05            | 93.0  |
| 373      | 8/1/2011 10:46:19 | 18.08  | 51.50  | 33.91        | 7.24    | 7.92 | 7.3        | 2.16            | 93.8  |
| 374      | 8/1/2011 11:01:19 | 17.99  | 51.60  | 33.98        | 7.26    | 7.92 | 8.2        | 2.27            | 94.0  |
| 375      | 8/1/2011 11:16:19 | 17.86  | 51.62  | 33.99        | 7.33    | 7.92 | 8.6        | 2.38            | 94.6  |
| 376      | 8/1/2011 11:31:19 | 17.61  | 51.56  | 33.95        | 7.45    | 7.92 | 9.8        | 2.50            | 95.7  |
| 377      | 8/1/2011 11:46:18 | 17.43  | 51.45  | 33.87        | 7.58    | 7.93 | 11.2       | 2.60            | 97.0  |
| 378      | 8/1/2011 12:01:19 | 17.16  | 51.48  | 33.89        | 7.64    | 7.92 | 10.4       | 2.71            | 97.3  |
| 379      | 8/1/2011 12:16:19 | 16.65  | 51.45  | 33.86        | 7.77    | 7.92 | 14.6       | 2.81            | 98.0  |
| 380      | 8/1/2011 12:31:19 | 16.08  | 51.50  | 33.88        | 7.92    | 7.92 | 15.6       | 2.91            | 98.8  |
| 381      | 8/1/2011 12:46:19 | 15.29  | 51.37  | 33.77        | 8.12    | 7.91 | 13.7       | 3.01            | 99.6  |
| 382      | 8/1/2011 13:01:19 | 14.69  | 51.48  | 33.84        | 8.27    | 7.91 | 17.1       | 3.10            | 100.3 |
| 383      | 8/1/2011 13:16:19 | 14.28  | 51.43  | 33.79        | 8.38    | 7.91 | 19.6       | 3.20            | 100.7 |
| 384      | 8/1/2011 13:31:19 | 13.71  | 51.51  | 33.83        | 8.60    | 7.92 | 16.7       | 3.29            | 102.2 |
| 385      | 8/1/2011 13:46:19 | 13.32  | 51.50  | 33.81        | 8.95    | 7.94 | 10.3       | 3.37            | 105.6 |
| 386      | 8/1/2011 14:01:19 | 13.01  | 51.46  | 33.77        | 9.23    | 7.94 | 8.9        | 3.45            | 108.2 |
| 387      | 8/1/2011 14:16:19 | 12.83  | 51.53  | 33.81        | 9.31    | 7.95 | 9.5        | 3.49            | 108.7 |
| 388      | 8/1/2011 14:31:19 | 12.72  | 51.54  | 33.81        | 9.31    | 7.96 | 3.5        | 3.52            | 108.4 |
| 389      | 8/1/2011 14:46:19 | 13.01  | 51.29  | 33.64        | 8.91    | 7.94 | 3.2        | 3.53            | 104.3 |
| 390      | 8/1/2011 15:01:19 | 12.97  | 51.56  | 33.84        | 8.87    | 7.93 | 4.3        | 3.52            | 103.8 |
| 391      | 8/1/2011 15:16:19 | 12.90  | 51.53  | 33.81        | 8.88    | 7.94 | 5.3        | 3.46            | 103.9 |
| 392      | 8/1/2011 15:31:19 | 13.18  | 51.53  | 33.82        | 9.18    | 7.94 | 10.1       | 3.38            | 108.0 |
| 393      | 8/1/2011 15:46:19 | 14.75  | 51.40  | 33.78        | 9.02    | 7.89 | 10.1       | 3.30            | 109.5 |
| 394      | 8/1/2011 16:01:19 | 15.69  | 51.53  | 33.90        | 8.90    | 7.95 | 8.7        | 3.19            | 110.2 |
| 395      | 8/1/2011 16:16:19 | 15.51  | 51.37  | 33.78        | 8.66    | 7.94 | 14.4       | 3.08            | 106.8 |
| 396      | 8/1/2011 16:31:19 | 15.93  | 51.43  | 33.83        | 8.69    | 7.95 | 9.1        | 2.97            | 108.0 |
| 397      | 8/1/2011 16:46:19 | 16.43  | 51.45  | 33.86        | 8.48    | 7.95 | 8.9        | 2.86            | 106.5 |
| 398      | 8/1/2011 17:01:19 | 16.96  | 51.51  | 33.91        | 8.61    | 7.96 | 9.2        | 2.75            | 109.2 |
| 399      | 8/1/2011 17:16:19 | 17.42  | 51.47  | 33.88        | 8.51    | 7.96 | 7.6        | 2.66            | 108.9 |
| 400      | 8/1/2011 17:31:19 | 17.84  | 51.55  | 33.94        | 8.62    | 7.99 | 8.0        | 2.55            | 111.2 |
| 401      | 8/1/2011 17:46:19 | 17.98  | 51.56  | 33.95        | 8.70    | 7.99 | 9.1        | 2.44            | 112.5 |
| 402      | 8/1/2011 18:01:19 | 17.30  | 51.49  | 33.89        | 9.64    | 8.03 | 5.2        | 2.35            | 123.2 |
| 403      | 8/1/2011 18:16:19 | 17.51  | 51.55  | 33.94        | 9.55    | 8.04 | 4.9        | 2.25            | 122.5 |
| 404      | 8/1/2011 18:31:19 | 17.48  | 51.53  | 33.93        | 9.40    | 8.03 | 5.5        | 2.15            | 120.4 |
| 405      | 8/1/2011 18:46:19 | 17.73  | 51.56  | 33.95        | 9.45    | 8.03 | 5.6        | 2.06            | 121.7 |
| 406      | 8/1/2011 19:01:18 | 17.99  | 51.36  | 33.80        | 9.26    | 8.04 | 6.3        | 1.98            | 119.8 |
| 407      | 8/1/2011 19:16:18 | 18.16  | 51.55  | 33.94        | 9.16    | 8.04 | 5.0        | 1.91            | 118.9 |
| 408      | 8/1/2011 19:31:19 | 18.37  | 51.56  | 33.95        | 8.91    | 8.02 | 4.1        | 1.86            | 116.1 |
| 409      | 8/1/2011 19:46:19 | 18.81  | 51.62  | 34.00        | 8.64    | 8.01 | 3.8        | 1.83            | 113.6 |
| 410      | 8/1/2011 20:01:19 | 19.19  | 51.56  | 33.96        | 8.00    | 7.98 | 3.1        | 1.81            | 105.9 |
| 411      | 8/1/2011 20:16:18 | 19.10  | 51.66  | 34.03        | 8.50    | 8.01 | 4.2        | 1.84            | 112.4 |
| 412      | 8/1/2011 20:31:19 | 19.22  | 51.68  | 34.05        | 8.50    | 8.00 | 3.7        | 1.87            | 112.6 |
| 413      | 8/1/2011 20:46:19 | 19.14  | 51.61  | 33.99        | 8.45    | 7.99 | 5.0        | 1.92            | 111.8 |
| 414      | 8/1/2011 21:01:19 | 19.18  | 51.66  | 34.03        | 8.42    | 7.99 | 5.7        | 2.00            | 111.5 |
| 415      | 8/1/2011 21:16:19 | 19.07  | 51.53  | 33.94        | 8.34    | 7.98 | 7.1        | 2.10            | 110.1 |
| 416      | 8/1/2011 21:31:18 | 19.21  | 51.43  | 33.86        | 8.21    | 7.98 | 8.9        | 2.19            | 108.6 |
| 417      | 8/1/2011 21:46:18 | 18.86  | 51.52  | 33.92        | 8.32    | 7.98 | 8.0        | 2.28            | 109.5 |
| 418      | 8/1/2011 22:01:19 | 18.63  | 51.61  | 34.00        | 8.35    | 7.97 | 5.7        | 2.38            | 109.4 |
| 419      | 8/1/2011 22:16:19 | 18.28  | 51.59  | 33.98        | 8.34    | 7.97 | 6.1        | 2.47            | 108.6 |
| 420      | 8/1/2011 22:31:19 | 17.59  | 51.42  | 33.85        | 8.13    | 7.94 | 6.0        | 2.56            | 104.4 |
| 421      | 8/1/2011 22:46:19 | 17.37  | 51.56  | 33.94        | 8.08    | 7.94 | 6.1        | 2.66            | 103.3 |
| 422      | 8/1/2011 23:01:19 | 17.01  | 51.55  | 33.94        | 8.09    | 7.93 | 6.4        | 2.75            | 102.8 |
| 423      | 8/1/2011 23:16:19 | 16.78  | 51.56  | 33.94        | 8.09    | 7.93 | 8.2        | 2.83            | 102.2 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 424      | 8/1/2011 23:31:19 | 16.25  | 51.44  | 33.84        | 8.20    | 7.93 | 7.9        | 2.92            | 102.6 |
| 425      | 8/1/2011 23:46:19 | 15.97  | 51.52  | 33.90        | 8.28    | 7.93 | 9.7        | 3.02            | 103.1 |
| 426      | 8/2/2011 00:01:19 | 15.43  | 51.46  | 33.84        | 8.46    | 7.93 | 13.2       | 3.11            | 104.1 |
| 427      | 8/2/2011 00:16:19 | 14.80  | 51.42  | 33.79        | 8.63    | 7.93 | 11.6       | 3.20            | 104.9 |
| 428      | 8/2/2011 00:31:19 | 14.38  | 51.48  | 33.83        | 8.77    | 7.93 | 11.7       | 3.30            | 105.7 |
| 429      | 8/2/2011 00:46:19 | 13.78  | 51.55  | 33.86        | 8.98    | 7.94 | 11.9       | 3.39            | 106.9 |
| 430      | 8/2/2011 01:01:19 | 13.34  | 51.55  | 33.85        | 9.20    | 7.95 | 10.6       | 3.46            | 108.5 |
| 431      | 8/2/2011 01:16:19 | 13.20  | 51.53  | 33.82        | 9.29    | 7.95 | 10.3       | 3.53            | 109.3 |
| 432      | 8/2/2011 01:31:19 | 12.97  | 51.58  | 33.85        | 9.42    | 7.96 | 7.5        | 3.60            | 110.3 |
| 433      | 8/2/2011 01:46:19 | 12.77  | 51.59  | 33.85        | 9.45    | 7.96 | 5.9        | 3.65            | 110.2 |
| 434      | 8/2/2011 02:01:19 | 12.67  | 51.55  | 33.82        | 9.42    | 7.96 | 4.9        | 3.68            | 109.6 |
| 435      | 8/2/2011 02:16:19 | 12.85  | 51.52  | 33.81        | 8.97    | 7.94 | 3.2        | 3.68            | 104.8 |
| 436      | 8/2/2011 02:31:19 | 12.83  | 51.60  | 33.86        | 8.86    | 7.94 | 2.9        | 3.68            | 103.5 |
| 437      | 8/2/2011 02:46:19 | 12.75  | 51.43  | 33.73        | 9.14    | 7.94 | 3.9        | 3.63            | 106.6 |
| 438      | 8/2/2011 03:01:19 | 13.09  | 51.52  | 33.82        | 9.00    | 7.94 | 4.3        | 3.56            | 105.6 |
| 439      | 8/2/2011 03:16:19 | 14.09  | 51.51  | 33.84        | 8.41    | 7.91 | 7.7        | 3.47            | 100.8 |
| 440      | 8/2/2011 03:31:19 | 13.71  | 51.57  | 33.88        | 8.68    | 7.93 | 7.5        | 3.36            | 103.3 |
| 441      | 8/2/2011 03:46:19 | 15.30  | 51.44  | 33.82        | 7.97    | 7.90 | 6.3        | 3.25            | 97.8  |
| 442      | 8/2/2011 04:01:19 | 15.70  | 51.44  | 33.84        | 7.83    | 7.89 | 8.9        | 3.13            | 96.9  |
| 443      | 8/2/2011 04:16:19 | 15.28  | 51.44  | 33.83        | 8.09    | 7.91 | 9.6        | 3.01            | 99.3  |
| 444      | 8/2/2011 04:31:19 | 15.79  | 51.42  | 33.82        | 7.78    | 7.89 | 7.6        | 2.89            | 96.5  |
| 445      | 8/2/2011 04:46:19 | 16.16  | 51.53  | 33.91        | 7.66    | 7.89 | 7.6        | 2.77            | 95.7  |
| 446      | 8/2/2011 05:01:18 | 16.95  | 51.41  | 33.83        | 7.01    | 7.89 | 6.5        | 2.64            | 88.9  |
| 447      | 8/2/2011 05:16:19 | 16.98  | 51.55  | 33.94        | 7.22    | 7.89 | 8.6        | 2.50            | 91.6  |
| 448      | 8/2/2011 05:31:19 | 17.04  | 51.59  | 33.96        | 6.97    | 7.86 | 8.2        | 2.38            | 88.5  |
| 449      | 8/2/2011 05:46:19 | 17.03  | 51.60  | 33.97        | 7.03    | 7.87 | 8.5        | 2.23            | 89.4  |
| 450      | 8/2/2011 06:01:19 | 16.87  | 51.46  | 33.87        | 6.91    | 7.87 | 10.3       | 2.10            | 87.5  |
| 451      | 8/2/2011 06:16:19 | 16.93  | 51.56  | 33.94        | 7.01    | 7.87 | 11.8       | 1.96            | 88.8  |
| 452      | 8/2/2011 06:31:19 | 17.14  | 51.59  | 33.96        | 6.96    | 7.87 | 10.6       | 1.81            | 88.7  |
| 453      | 8/2/2011 06:46:19 | 17.24  | 51.60  | 33.98        | 6.89    | 7.86 | 10.9       | 1.67            | 87.9  |
| 454      | 8/2/2011 07:01:19 | 17.50  | 51.56  | 33.95        | 6.98    | 7.88 | 9.3        | 1.53            | 89.5  |
| 455      | 8/2/2011 07:16:19 | 17.79  | 51.62  | 33.99        | 7.00    | 7.88 | 9.0        | 1.41            | 90.3  |
| 456      | 8/2/2011 07:31:19 | 17.99  | 51.63  | 34.00        | 6.99    | 7.89 | 8.4        | 1.30            | 90.5  |
| 457      | 8/2/2011 07:46:19 | 18.08  | 51.58  | 33.97        | 6.89    | 7.88 | 7.1        | 1.22            | 89.4  |
| 458      | 8/2/2011 08:01:19 | 18.17  | 51.66  | 34.03        | 6.79    | 7.88 | 6.0        | 1.16            | 88.2  |
| 459      | 8/2/2011 08:16:19 | 18.30  | 51.65  | 34.02        | 6.46    | 7.87 | 7.2        | 1.15            | 84.1  |
| 460      | 8/2/2011 08:31:18 | 18.18  | 51.52  | 33.92        | 6.95    | 7.90 | 5.7        | 1.17            | 90.3  |
| 461      | 8/2/2011 08:46:19 | 18.27  | 51.60  | 33.98        | 6.99    | 7.90 | 5.0        | 1.21            | 91.0  |
| 462      | 8/2/2011 09:01:19 | 18.55  | 51.74  | 34.09        | 6.96    | 7.90 | 5.6        | 1.30            | 91.0  |
| 463      | 8/2/2011 09:16:19 | 18.72  | 51.77  | 34.11        | 6.91    | 7.90 | 5.4        | 1.39            | 90.7  |
| 464      | 8/2/2011 09:31:19 | 18.63  | 51.64  | 34.02        | 6.91    | 7.90 | 5.4        | 1.47            | 90.6  |
| 465      | 8/2/2011 09:46:19 | 18.58  | 51.37  | 33.82        | 6.68    | 7.87 | 9.3        | 1.58            | 87.4  |
| 466      | 8/2/2011 10:01:19 | 18.52  | 51.48  | 33.89        | 6.67    | 7.87 | 9.1        | 1.67            | 87.1  |
| 467      | 8/2/2011 10:16:19 | 18.28  | 51.49  | 33.90        | 6.86    | 7.88 | 7.1        | 1.77            | 89.2  |
| 468      | 8/2/2011 10:31:19 | 18.17  | 51.59  | 33.98        | 6.88    | 7.88 | 6.3        | 1.88            | 89.3  |
| 469      | 8/2/2011 10:46:19 | 18.11  | 51.54  | 33.94        | 6.90    | 7.88 | 6.4        | 1.97            | 89.5  |
| 470      | 8/2/2011 11:01:19 | 17.76  | 51.59  | 33.97        | 6.98    | 7.88 | 6.3        | 2.08            | 89.9  |
| 471      | 8/2/2011 11:16:19 | 17.52  | 51.60  | 33.98        | 7.07    | 7.88 | 7.3        | 2.20            | 90.7  |
| 472      | 8/2/2011 11:31:19 | 17.42  | 51.52  | 33.92        | 7.13    | 7.88 | 8.4        | 2.30            | 91.3  |
| 473      | 8/2/2011 11:46:19 | 17.37  | 51.59  | 33.97        | 7.18    | 7.88 | 8.9        | 2.42            | 91.9  |
| 474      | 8/2/2011 12:01:19 | 17.16  | 51.60  | 33.97        | 7.34    | 7.89 | 12.5       | 2.54            | 93.5  |
| 475      | 8/2/2011 12:16:19 | 16.96  | 51.55  | 33.93        | 7.44    | 7.89 | 11.3       | 2.64            | 94.4  |
| 476      | 8/2/2011 12:31:19 | 16.74  | 51.53  | 33.92        | 7.50    | 7.89 | 12.1       | 2.74            | 94.7  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 477      | 8/2/2011 12:46:19 | 16.22  | 51.46  | 33.85        | 7.74    | 7.90 | 17.0       | 2.85            | 96.7  |
| 478      | 8/2/2011 13:01:19 | 15.77  | 51.44  | 33.84        | 7.93    | 7.90 | 16.4       | 2.95            | 98.2  |
| 479      | 8/2/2011 13:16:19 | 14.73  | 51.53  | 33.88        | 8.30    | 7.91 | 15.3       | 3.06            | 100.7 |
| 480      | 8/2/2011 13:31:19 | 14.17  | 51.45  | 33.80        | 8.58    | 7.92 | 15.0       | 3.16            | 103.0 |
| 481      | 8/2/2011 13:46:19 | 13.87  | 51.45  | 33.79        | 8.77    | 7.93 | 14.3       | 3.25            | 104.6 |
| 482      | 8/2/2011 14:01:19 | 13.33  | 51.58  | 33.86        | 8.79    | 7.92 | 12.8       | 3.35            | 103.8 |
| 483      | 8/2/2011 14:16:19 | 12.65  | 51.60  | 33.85        | 8.56    | 7.89 | 11.5       | 3.44            | 99.6  |
| 484      | 8/2/2011 14:31:19 | 12.36  | 51.65  | 33.87        | 8.41    | 7.88 | 10.6       | 3.51            | 97.3  |
| 485      | 8/2/2011 14:46:19 | 12.16  | 51.65  | 33.87        | 8.36    | 7.87 | 7.4        | 3.56            | 96.3  |
| 486      | 8/2/2011 15:01:19 | 12.06  | 51.66  | 33.87        | 8.27    | 7.87 | 4.7        | 3.61            | 95.1  |
| 487      | 8/2/2011 15:16:19 | 12.00  | 51.59  | 33.82        | 8.03    | 7.86 | 2.7        | 3.63            | 92.2  |
| 488      | 8/2/2011 15:31:19 | 12.25  | 51.67  | 33.89        | 7.85    | 7.85 | 3.3        | 3.61            | 90.6  |
| 489      | 8/2/2011 15:46:19 | 12.08  | 51.64  | 33.86        | 7.87    | 7.85 | 4.8        | 3.57            | 90.5  |
| 490      | 8/2/2011 16:01:19 | 12.27  | 51.60  | 33.84        | 8.13    | 7.86 | 7.6        | 3.50            | 93.8  |
| 491      | 8/2/2011 16:16:19 | 14.45  | 51.44  | 33.80        | 8.96    | 7.95 | 7.9        | 3.42            | 108.1 |
| 492      | 8/2/2011 16:31:19 | 14.71  | 51.47  | 33.83        | 9.12    | 7.95 | 9.5        | 3.31            | 110.7 |
| 493      | 8/2/2011 16:46:19 | 15.40  | 51.50  | 33.87        | 9.06    | 7.96 | 17.8       | 3.19            | 111.5 |
| 494      | 8/2/2011 17:01:19 | 15.26  | 51.49  | 33.86        | 9.00    | 7.95 | 13.4       | 3.08            | 110.5 |
| 495      | 8/2/2011 17:16:19 | 15.85  | 51.36  | 33.78        | 8.98    | 7.96 | 12.0       | 2.97            | 111.4 |
| 496      | 8/2/2011 17:31:19 | 16.10  | 51.42  | 33.83        | 8.98    | 7.96 | 9.6        | 2.86            | 112.0 |
| 497      | 8/2/2011 17:46:19 | 16.68  | 51.48  | 33.88        | 8.83    | 7.96 | 9.6        | 2.75            | 111.4 |
| 498      | 8/2/2011 18:01:19 | 17.26  | 51.36  | 33.80        | 8.78    | 7.97 | 9.2        | 2.63            | 112.0 |
| 499      | 8/2/2011 18:16:19 | 17.62  | 51.47  | 33.88        | 8.77    | 7.98 | 8.0        | 2.52            | 112.6 |
| 500      | 8/2/2011 18:31:19 | 17.91  | 51.47  | 33.89        | 8.75    | 7.97 | 9.3        | 2.41            | 113.0 |
| 501      | 8/2/2011 18:46:19 | 18.12  | 51.50  | 33.91        | 8.83    | 7.98 | 7.6        | 2.31            | 114.6 |
| 502      | 8/2/2011 19:01:19 | 18.03  | 51.54  | 33.94        | 8.92    | 7.99 | 8.2        | 2.20            | 115.6 |
| 503      | 8/2/2011 19:16:19 | 17.92  | 51.56  | 33.95        | 9.36    | 8.02 | 7.4        | 2.09            | 120.9 |
| 504      | 8/2/2011 19:31:19 | 18.02  | 51.53  | 33.93        | 9.20    | 8.01 | 6.8        | 1.99            | 119.1 |
| 505      | 8/2/2011 19:46:19 | 18.00  | 51.56  | 33.95        | 9.37    | 8.02 | 7.0        | 1.89            | 121.3 |
| 506      | 8/2/2011 20:01:19 | 18.07  | 51.51  | 33.92        | 9.28    | 8.02 | 5.4        | 1.81            | 120.3 |
| 507      | 8/2/2011 20:16:19 | 18.34  | 51.59  | 33.98        | 8.86    | 8.00 | 4.2        | 1.75            | 115.5 |
| 508      | 8/2/2011 20:31:19 | 18.51  | 51.57  | 33.96        | 8.59    | 7.99 | 4.4        | 1.70            | 112.2 |
| 509      | 8/2/2011 20:46:19 | 18.74  | 51.66  | 34.03        | 7.89    | 7.97 | 4.0        | 1.69            | 103.7 |
| 510      | 8/2/2011 21:01:19 | 19.05  | 51.67  | 34.04        | 7.64    | 7.94 | 4.3        | 1.70            | 100.9 |
| 511      | 8/2/2011 21:16:19 | 19.20  | 51.62  | 34.00        | 8.48    | 7.98 | 3.9        | 1.72            | 112.2 |
| 512      | 8/2/2011 21:31:19 | 18.99  | 51.60  | 33.99        | 8.46    | 7.97 | 5.7        | 1.78            | 111.6 |
| 513      | 8/2/2011 21:46:19 | 19.16  | 51.71  | 34.07        | 8.42    | 7.97 | 7.9        | 1.84            | 111.5 |
| 514      | 8/2/2011 22:01:19 | 19.03  | 51.59  | 33.98        | 8.42    | 7.97 | 9.0        | 1.94            | 111.1 |
| 515      | 8/2/2011 22:16:19 | 19.32  | 51.55  | 33.95        | 8.19    | 7.95 | 10.3       | 2.02            | 108.6 |
| 516      | 8/2/2011 22:31:19 | 19.12  | 51.50  | 33.91        | 8.26    | 7.95 | 8.0        | 2.12            | 109.1 |
| 517      | 8/2/2011 22:46:19 | 18.79  | 51.56  | 33.96        | 8.35    | 7.96 | 7.2        | 2.22            | 109.7 |
| 518      | 8/2/2011 23:01:19 | 18.57  | 51.61  | 33.99        | 8.39    | 7.96 | 6.7        | 2.31            | 109.8 |
| 519      | 8/2/2011 23:16:19 | 18.22  | 51.58  | 33.97        | 8.33    | 7.95 | 6.9        | 2.39            | 108.3 |
| 520      | 8/2/2011 23:31:19 | 17.60  | 51.49  | 33.90        | 8.13    | 7.93 | 6.5        | 2.48            | 104.5 |
| 521      | 8/2/2011 23:46:19 | 17.39  | 51.59  | 33.97        | 8.05    | 7.92 | 6.2        | 2.56            | 103.0 |
| 522      | 8/3/2011 00:01:19 | 17.05  | 51.55  | 33.93        | 8.08    | 7.92 | 6.6        | 2.64            | 102.7 |
| 523      | 8/3/2011 00:16:19 | 16.87  | 51.43  | 33.85        | 8.10    | 7.92 | 7.4        | 2.74            | 102.6 |
| 524      | 8/3/2011 00:31:19 | 16.51  | 51.50  | 33.89        | 8.15    | 7.92 | 8.5        | 2.82            | 102.4 |
| 525      | 8/3/2011 00:46:19 | 16.17  | 51.33  | 33.76        | 8.24    | 7.92 | 7.9        | 2.90            | 102.9 |
| 526      | 8/3/2011 01:01:18 | 15.75  | 51.41  | 33.81        | 8.35    | 7.93 | 9.6        | 2.99            | 103.4 |
| 527      | 8/3/2011 01:16:19 | 15.14  | 51.42  | 33.81        | 8.44    | 7.92 | 10.6       | 3.08            | 103.3 |
| 528      | 8/3/2011 01:31:19 | 14.73  | 51.52  | 33.87        | 8.45    | 7.91 | 9.8        | 3.15            | 102.6 |
| 529      | 8/3/2011 01:46:19 | 14.27  | 51.55  | 33.87        | 8.43    | 7.90 | 9.5        | 3.24            | 101.5 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 530      | 8/3/2011 02:01:19 | 13.82  | 51.57  | 33.88        | 8.42    | 7.90 | 8.7        | 3.31            | 100.4 |
| 531      | 8/3/2011 02:16:19 | 13.55  | 51.58  | 33.88        | 8.42    | 7.89 | 7.0        | 3.38            | 99.8  |
| 532      | 8/3/2011 02:31:19 | 13.40  | 51.58  | 33.87        | 8.39    | 7.89 | 5.5        | 3.43            | 99.2  |
| 533      | 8/3/2011 02:46:19 | 13.20  | 51.57  | 33.86        | 8.46    | 7.89 | 4.3        | 3.47            | 99.5  |
| 534      | 8/3/2011 03:01:19 | 13.13  | 51.60  | 33.87        | 8.37    | 7.89 | 3.5        | 3.50            | 98.4  |
| 535      | 8/3/2011 03:16:19 | 13.38  | 51.54  | 33.84        | 8.10    | 7.88 | 4.2        | 3.50            | 95.7  |
| 536      | 8/3/2011 03:31:19 | 13.21  | 51.58  | 33.86        | 8.02    | 7.87 | 3.0        | 3.47            | 94.4  |
| 537      | 8/3/2011 03:46:19 | 13.29  | 51.60  | 33.88        | 8.15    | 7.88 | 6.7        | 3.41            | 96.2  |
| 538      | 8/3/2011 04:01:19 | 13.73  | 51.61  | 33.90        | 8.07    | 7.87 | 6.1        | 3.35            | 96.0  |
| 539      | 8/3/2011 04:16:19 | 14.90  | 51.54  | 33.89        | 7.85    | 7.88 | 6.5        | 3.26            | 95.6  |
| 540      | 8/3/2011 04:31:19 | 15.30  | 51.58  | 33.93        | 7.79    | 7.88 | 8.1        | 3.16            | 95.7  |
| 541      | 8/3/2011 04:46:19 | 15.53  | 51.49  | 33.87        | 7.70    | 7.87 | 8.7        | 3.04            | 95.0  |
| 542      | 8/3/2011 05:01:18 | 15.75  | 51.38  | 33.79        | 7.62    | 7.88 | 7.8        | 2.93            | 94.3  |
| 543      | 8/3/2011 05:16:19 | 15.74  | 51.56  | 33.93        | 7.63    | 7.88 | 7.2        | 2.82            | 94.5  |
| 544      | 8/3/2011 05:31:19 | 16.29  | 51.52  | 33.90        | 7.36    | 7.87 | 7.1        | 2.70            | 92.2  |
| 545      | 8/3/2011 05:46:19 | 16.85  | 51.52  | 33.91        | 7.01    | 7.85 | 8.7        | 2.57            | 88.8  |
| 546      | 8/3/2011 06:01:19 | 16.90  | 51.37  | 33.80        | 7.16    | 7.86 | 8.9        | 2.46            | 90.7  |
| 547      | 8/3/2011 06:16:19 | 17.10  | 51.53  | 33.92        | 7.00    | 7.85 | 7.8        | 2.35            | 89.1  |
| 548      | 8/3/2011 06:31:19 | 17.07  | 51.49  | 33.89        | 6.83    | 7.84 | 7.7        | 2.22            | 86.9  |
| 549      | 8/3/2011 06:46:19 | 16.98  | 51.56  | 33.94        | 6.78    | 7.84 | 8.7        | 2.09            | 86.1  |
| 550      | 8/3/2011 07:01:19 | 16.95  | 51.43  | 33.85        | 6.89    | 7.84 | 9.3        | 1.96            | 87.3  |
| 551      | 8/3/2011 07:16:19 | 16.97  | 51.56  | 33.94        | 6.84    | 7.83 | 8.4        | 1.85            | 86.8  |
| 552      | 8/3/2011 07:31:19 | 17.03  | 51.52  | 33.91        | 6.87    | 7.84 | 7.8        | 1.72            | 87.3  |
| 553      | 8/3/2011 07:46:19 | 17.30  | 51.65  | 34.01        | 6.95    | 7.85 | 7.6        | 1.59            | 88.9  |
| 554      | 8/3/2011 08:01:19 | 17.40  | 51.67  | 34.03        | 6.96    | 7.85 | 10.7       | 1.50            | 89.2  |
| 555      | 8/3/2011 08:16:19 | 17.61  | 51.57  | 33.96        | 6.96    | 7.86 | 6.5        | 1.42            | 89.4  |
| 556      | 8/3/2011 08:31:18 | 17.79  | 51.46  | 33.88        | 6.98    | 7.88 | 5.9        | 1.35            | 90.0  |
| 557      | 8/3/2011 08:46:19 | 17.87  | 51.69  | 34.05        | 7.03    | 7.87 | 5.6        | 1.32            | 90.8  |
| 558      | 8/3/2011 09:01:19 | 17.65  | 51.62  | 34.00        | 6.98    | 7.87 | 4.9        | 1.31            | 89.8  |
| 559      | 8/3/2011 09:16:19 | 17.82  | 51.66  | 34.03        | 6.95    | 7.86 | 4.2        | 1.33            | 89.7  |
| 560      | 8/3/2011 09:31:19 | 17.85  | 51.65  | 34.02        | 7.01    | 7.87 | 4.1        | 1.39            | 90.5  |
| 561      | 8/3/2011 09:46:19 | 18.09  | 51.73  | 34.08        | 6.99    | 7.88 | 4.2        | 1.45            | 90.7  |
| 562      | 8/3/2011 10:01:19 | 18.16  | 51.72  | 34.07        | 7.00    | 7.88 | 4.2        | 1.54            | 91.0  |
| 563      | 8/3/2011 10:16:19 | 18.09  | 51.72  | 34.07        | 7.02    | 7.88 | 4.3        | 1.64            | 91.1  |
| 564      | 8/3/2011 10:31:19 | 18.16  | 51.47  | 33.89        | 6.84    | 7.86 | 8.1        | 1.74            | 88.8  |
| 565      | 8/3/2011 10:46:19 | 17.94  | 51.55  | 33.94        | 6.88    | 7.86 | 6.6        | 1.83            | 89.0  |
| 566      | 8/3/2011 11:01:19 | 17.79  | 51.64  | 34.01        | 6.96    | 7.86 | 5.2        | 1.92            | 89.7  |
| 567      | 8/3/2011 11:16:19 | 17.70  | 51.64  | 34.01        | 6.98    | 7.87 | 5.4        | 2.03            | 89.8  |
| 568      | 8/3/2011 11:31:19 | 17.63  | 51.66  | 34.02        | 6.97    | 7.86 | 4.9        | 2.13            | 89.6  |
| 569      | 8/3/2011 11:46:19 | 17.34  | 51.47  | 33.88        | 7.10    | 7.87 | 5.7        | 2.24            | 90.7  |
| 570      | 8/3/2011 12:01:19 | 17.23  | 51.47  | 33.88        | 7.18    | 7.87 | 7.8        | 2.35            | 91.6  |
| 571      | 8/3/2011 12:16:19 | 17.18  | 51.49  | 33.89        | 7.27    | 7.87 | 7.5        | 2.45            | 92.7  |
| 572      | 8/3/2011 12:31:19 | 16.99  | 51.54  | 33.93        | 7.40    | 7.88 | 8.2        | 2.55            | 93.9  |
| 573      | 8/3/2011 12:46:19 | 16.65  | 51.53  | 33.92        | 7.45    | 7.87 | 9.6        | 2.65            | 94.0  |
| 574      | 8/3/2011 13:01:19 | 16.47  | 51.26  | 33.72        | 7.53    | 7.88 | 10.4       | 2.76            | 94.6  |
| 575      | 8/3/2011 13:16:19 | 16.20  | 51.51  | 33.89        | 7.65    | 7.88 | 11.5       | 2.86            | 95.6  |
| 576      | 8/3/2011 13:31:19 | 15.62  | 51.50  | 33.88        | 7.83    | 7.88 | 13.9       | 2.96            | 96.8  |
| 577      | 8/3/2011 13:46:19 | 14.90  | 51.51  | 33.87        | 7.94    | 7.88 | 14.6       | 3.06            | 96.8  |
| 578      | 8/3/2011 14:01:19 | 14.08  | 51.58  | 33.89        | 8.08    | 7.88 | 10.8       | 3.16            | 96.9  |
| 579      | 8/3/2011 14:16:19 | 13.70  | 51.52  | 33.84        | 8.29    | 7.88 | 10.4       | 3.26            | 98.6  |
| 580      | 8/3/2011 14:31:19 | 13.33  | 51.54  | 33.83        | 8.44    | 7.89 | 10.1       | 3.35            | 99.6  |
| 581      | 8/3/2011 14:46:19 | 12.87  | 51.65  | 33.90        | 8.46    | 7.89 | 8.9        | 3.44            | 98.9  |
| 582      | 8/3/2011 15:01:19 | 12.37  | 51.55  | 33.80        | 8.30    | 7.87 | 8.1        | 3.52            | 96.0  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 583      | 8/3/2011 15:16:19 | 12.15  | 51.69           | 33.89        | 8.13            | 7.86 | 6.2               | 3.58            | 93.6  |
| 584      | 8/3/2011 15:31:19 | 11.96  | 51.63           | 33.84        | 7.94            | 7.85 | 5.4               | 3.63            | 91.0  |
| 585      | 8/3/2011 15:46:19 | 11.88  | 51.68           | 33.87        | 7.85            | 7.85 | 4.2               | 3.66            | 89.9  |
| 586      | 8/3/2011 16:01:19 | 12.42  | 51.66           | 33.88        | 8.24            | 7.87 | 4.9               | 3.66            | 95.4  |
| 587      | 8/3/2011 16:16:19 | 11.97  | 51.71           | 33.90        | 7.85            | 7.84 | 4.9               | 3.63            | 90.1  |
| 588      | 8/3/2011 16:31:19 | 12.01  | 51.70           | 33.90        | 7.91            | 7.85 | 8.7               | 3.57            | 90.9  |
| 589      | 8/3/2011 16:46:19 | 12.89  | 51.59           | 33.85        | 8.25            | 7.88 | 8.1               | 3.50            | 96.4  |
| 590      | 8/3/2011 17:01:19 | 13.93  | 51.59           | 33.89        | 9.03            | 7.93 | 8.4               | 3.40            | 107.9 |
| 591      | 8/3/2011 17:16:19 | 15.41  | 51.57           | 33.92        | 8.87            | 7.94 | 12.2              | 3.29            | 109.2 |
| 592      | 8/3/2011 17:31:19 | 14.92  | 51.60           | 33.93        | 8.94            | 7.94 | 13.6              | 3.17            | 109.0 |
| 593      | 8/3/2011 17:46:19 | 15.17  | 51.57           | 33.91        | 8.73            | 7.92 | 9.3               | 3.07            | 107.0 |
| 594      | 8/3/2011 18:01:19 | 15.37  | 51.58           | 33.93        | 8.85            | 7.94 | 8.3               | 2.96            | 108.9 |
| 595      | 8/3/2011 18:16:19 | 15.74  | 51.57           | 33.93        | 8.61            | 7.94 | 9.0               | 2.83            | 106.7 |
| 596      | 8/3/2011 18:31:19 | 16.35  | 51.52           | 33.90        | 8.63            | 7.93 | 8.2               | 2.73            | 108.2 |
| 597      | 8/3/2011 18:46:19 | 16.80  | 51.52           | 33.91        | 8.49            | 7.93 | 8.4               | 2.62            | 107.4 |
| 598      | 8/3/2011 19:01:19 | 17.12  | 51.47           | 33.88        | 8.30            | 7.93 | 7.9               | 2.51            | 105.6 |
| 599      | 8/3/2011 19:16:19 | 17.43  | 51.54           | 33.93        | 8.40            | 7.94 | 8.1               | 2.39            | 107.5 |
| 600      | 8/3/2011 19:31:19 | 17.71  | 51.25           | 33.72        | 8.59            | 7.95 | 8.5               | 2.27            | 110.4 |
| 601      | 8/3/2011 19:46:19 | 17.52  | 51.51           | 33.91        | 8.55            | 7.95 | 8.2               | 2.16            | 109.6 |
| 602      | 8/3/2011 20:01:19 | 17.58  | 51.52           | 33.92        | 8.60            | 7.95 | 8.1               | 2.06            | 110.4 |
| 603      | 8/3/2011 20:16:19 | 17.55  | 51.54           | 33.93        | 8.63            | 7.96 | 6.8               | 1.94            | 110.7 |
| 604      | 8/3/2011 20:31:19 | 17.65  | 51.39           | 33.83        | 8.72            | 7.97 | 7.5               | 1.84            | 112.0 |
| 605      | 8/3/2011 20:46:19 | 17.75  | 51.53           | 33.93        | 8.48            | 7.96 | 7.3               | 1.75            | 109.2 |
| 606      | 8/3/2011 21:01:19 | 18.01  | 51.69           | 34.05        | 8.36            | 7.95 | 7.1               | 1.67            | 108.2 |
| 607      | 8/3/2011 21:16:19 | 17.96  | 51.46           | 33.88        | 8.12            | 7.94 | 5.9               | 1.63            | 105.0 |
| 608      | 8/3/2011 21:31:19 | 18.35  | 51.65           | 34.02        | 8.08            | 7.94 | 5.4               | 1.61            | 105.4 |
| 609      | 8/3/2011 21:46:19 | 18.86  | 51.70           | 34.06        | 8.06            | 7.95 | 4.7               | 1.58            | 106.1 |
| 610      | 8/3/2011 22:01:19 | 18.49  | 51.74           | 34.09        | 8.02            | 7.95 | 4.6               | 1.61            | 104.8 |
| 611      | 8/3/2011 22:16:19 | 18.78  | 51.74           | 34.09        | 8.20            | 7.95 | 4.3               | 1.65            | 107.8 |
| 612      | 8/3/2011 22:31:19 | 18.81  | 51.74           | 34.09        | 8.16            | 7.95 | 4.9               | 1.70            | 107.3 |
| 613      | 8/3/2011 22:46:19 | 18.95  | 51.63           | 34.01        | 8.23            | 7.96 | 5.1               | 1.78            | 108.5 |
| 614      | 8/3/2011 23:01:18 | 18.79  | 51.61           | 33.99        | 8.16            | 7.96 | 4.9               | 1.86            | 107.2 |
| 615      | 8/3/2011 23:16:19 | 19.05  | 51.59           | 33.98        | 7.87            | 7.93 | 7.3               | 1.95            | 103.9 |
| 616      | 8/3/2011 23:31:19 | 18.86  | 51.56           | 33.95        | 7.97            | 7.93 | 5.9               | 2.04            | 104.8 |
| 617      | 8/3/2011 23:46:19 | 18.55  | 51.64           | 34.02        | 8.03            | 7.93 | 5.1               | 2.12            | 105.1 |
| 618      | 8/4/2011 00:01:19 | 18.42  | 51.61           | 33.99        | 8.05            | 7.93 | 5.1               | 2.20            | 105.1 |
| 619      | 8/4/2011 00:16:19 | 18.21  | 51.61           | 33.99        | 8.08            | 7.93 | 4.3               | 2.29            | 105.0 |
| 620      | 8/4/2011 00:31:19 | 17.49  | 51.57           | 33.96        | 7.92            | 7.91 | 4.8               | 2.38            | 101.5 |
| 621      | 8/4/2011 00:46:19 | 17.31  | 51.54           | 33.94        | 7.85            | 7.90 | 4.6               | 2.45            | 100.2 |
| 622      | 8/4/2011 01:01:19 | 17.10  | 51.59           | 33.96        | 7.84            | 7.90 | 5.2               | 2.54            | 99.7  |
| 623      | 8/4/2011 01:16:19 | 16.88  | 51.57           | 33.95        | 7.85            | 7.90 | 5.0               | 2.61            | 99.4  |
| 624      | 8/4/2011 01:31:19 | 16.76  | 51.54           | 33.92        | 7.86            | 7.90 | 5.2               | 2.70            | 99.4  |
| 625      | 8/4/2011 01:46:18 | 16.41  | 51.50           | 33.89        | 7.90            | 7.90 | 5.3               | 2.76            | 99.2  |
| 626      | 8/4/2011 02:01:19 | 16.17  | 51.52           | 33.90        | 7.90            | 7.89 | 6.1               | 2.84            | 98.7  |
| 627      | 8/4/2011 02:16:19 | 15.83  | 51.54           | 33.91        | 7.98            | 7.89 | 5.4               | 2.92            | 99.1  |
| 628      | 8/4/2011 02:31:19 | 15.33  | 51.56           | 33.91        | 8.07            | 7.90 | 5.6               | 2.99            | 99.1  |
| 629      | 8/4/2011 02:46:19 | 15.06  | 51.37           | 33.77        | 8.05            | 7.89 | 6.1               | 3.06            | 98.3  |
| 630      | 8/4/2011 03:01:18 | 14.82  | 51.35           | 33.75        | 7.99            | 7.89 | 5.3               | 3.13            | 97.1  |
| 631      | 8/4/2011 03:16:19 | 14.46  | 51.54           | 33.87        | 7.93            | 7.88 | 4.7               | 3.19            | 95.7  |
| 632      | 8/4/2011 03:31:19 | 13.93  | 51.60           | 33.90        | 7.83            | 7.87 | 5.1               | 3.23            | 93.5  |
| 633      | 8/4/2011 03:46:19 | 13.78  | 51.52           | 33.84        | 7.75            | 7.87 | 4.0               | 3.27            | 92.3  |
| 634      | 8/4/2011 04:01:19 | 13.73  | 51.51           | 33.83        | 7.57            | 7.86 | 2.7               | 3.29            | 90.0  |
| 635      | 8/4/2011 04:16:18 | 14.11  | 51.33           | 33.71        | 7.69            | 7.85 | 4.3               | 3.28            | 92.1  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                   |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 636      | 8/4/2011 04:31:19 | 13.84  | 51.56  | 33.87        | 7.75    | 7.85 | 3.6               | 3.26            | 92.4  |
| 637      | 8/4/2011 04:46:19 | 13.90  | 51.59  | 33.90        | 7.80    | 7.86 | 6.5               | 3.20            | 93.2  |
| 638      | 8/4/2011 05:01:19 | 14.50  | 51.49  | 33.84        | 7.74    | 7.86 | 5.4               | 3.14            | 93.5  |
| 639      | 8/4/2011 05:16:19 | 15.35  | 51.57  | 33.92        | 7.68    | 7.86 | 5.7               | 3.05            | 94.5  |
| 640      | 8/4/2011 05:31:19 | 15.41  | 51.45  | 33.84        | 7.66    | 7.86 | 6.8               | 2.96            | 94.3  |
| 641      | 8/4/2011 05:46:19 | 15.82  | 51.49  | 33.87        | 7.55    | 7.86 | 8.2               | 2.86            | 93.6  |
| 642      | 8/4/2011 06:01:19 | 16.17  | 51.51  | 33.89        | 7.40    | 7.85 | 9.5               | 2.76            | 92.5  |
| 643      | 8/4/2011 06:16:19 | 16.57  | 51.56  | 33.94        | 7.11    | 7.84 | 8.5               | 2.65            | 89.6  |
| 644      | 8/4/2011 06:31:19 | 16.90  | 51.49  | 33.89        | 6.84    | 7.82 | 7.1               | 2.55            | 86.7  |
| 645      | 8/4/2011 06:46:19 | 16.86  | 51.57  | 33.95        | 6.67    | 7.81 | 7.1               | 2.45            | 84.4  |
| 646      | 8/4/2011 07:01:19 | 16.83  | 51.51  | 33.91        | 6.60    | 7.80 | 6.3               | 2.35            | 83.5  |
| 647      | 8/4/2011 07:16:19 | 16.76  | 51.57  | 33.95        | 6.64    | 7.80 | 6.7               | 2.24            | 83.9  |
| 648      | 8/4/2011 07:31:19 | 16.13  | 51.57  | 33.94        | 6.70    | 7.79 | 5.9               | 2.13            | 83.6  |
| 649      | 8/4/2011 07:46:19 | 16.65  | 51.53  | 33.92        | 6.69    | 7.80 | 5.3               | 2.03            | 84.4  |
| 650      | 8/4/2011 08:01:19 | 16.99  | 51.59  | 33.97        | 6.78    | 7.82 | 6.0               | 1.93            | 86.1  |
| 651      | 8/4/2011 08:16:19 | 16.97  | 51.52  | 33.91        | 6.90    | 7.82 | 5.6               | 1.81            | 87.5  |
| 652      | 8/4/2011 08:31:19 | 17.24  | 51.56  | 33.94        | 7.00    | 7.83 | 5.4               | 1.73            | 89.3  |
| 653      | 8/4/2011 08:46:19 | 17.39  | 51.51  | 33.91        | 7.04    | 7.84 | 5.2               | 1.66            | 90.1  |
| 654      | 8/4/2011 09:01:19 | 17.55  | 51.58  | 33.97        | 7.05    | 7.84 | 4.6               | 1.59            | 90.5  |
| 655      | 8/4/2011 09:16:18 | 17.87  | 51.29  | 33.76        | 7.06    | 7.86 | 5.2               | 1.55            | 91.1  |
| 656      | 8/4/2011 09:31:19 | 17.92  | 51.55  | 33.95        | 6.99    | 7.85 | 4.2               | 1.53            | 90.3  |
| 657      | 8/4/2011 09:46:19 | 17.82  | 51.51  | 33.92        | 7.06    | 7.85 | 3.8               | 1.56            | 91.0  |
| 658      | 8/4/2011 10:01:19 | 18.12  | 51.62  | 33.99        | 7.00    | 7.86 | 12.0              | 1.56            | 90.8  |
| 659      | 8/4/2011 10:16:19 | 18.18  | 51.54  | 33.94        | 6.92    | 7.85 | 7.7               | 1.60            | 89.9  |
| 660      | 8/4/2011 10:31:19 | 18.31  | 51.56  | 33.96        | 6.91    | 7.86 | 4.4               | 1.68            | 89.9  |
| 661      | 8/4/2011 10:46:19 | 18.31  | 51.50  | 33.91        | 6.86    | 7.86 | 4.8               | 1.76            | 89.3  |
| 662      | 8/4/2011 11:01:19 | 18.30  | 51.46  | 33.88        | 6.85    | 7.85 | 6.2               | 1.84            | 89.1  |
| 663      | 8/4/2011 11:16:19 | 18.39  | 51.38  | 33.82        | 6.78    | 7.84 | 7.6               | 1.92            | 88.4  |
| 664      | 8/4/2011 11:31:19 | 18.09  | 51.53  | 33.93        | 6.84    | 7.84 | 5.9               | 2.02            | 88.6  |
| 665      | 8/4/2011 11:46:19 | 17.93  | 51.56  | 33.95        | 6.94    | 7.85 | 5.8               | 2.11            | 89.7  |
| 666      | 8/4/2011 12:01:19 | 17.85  | 51.53  | 33.93        | 6.97    | 7.85 | 5.7               | 2.19            | 90.0  |
| 667      | 8/4/2011 12:16:19 | 17.65  | 51.55  | 33.94        | 6.98    | 7.85 | 5.1               | 2.29            | 89.8  |
| 668      | 8/4/2011 12:31:19 | 17.25  | 51.55  | 33.94        | 7.20    | 7.85 | 6.4               | 2.38            | 91.8  |
| 669      | 8/4/2011 12:46:19 | 17.13  | 51.56  | 33.94        | 7.26    | 7.86 | 6.6               | 2.48            | 92.4  |
| 670      | 8/4/2011 13:01:19 | 16.98  | 51.54  | 33.92        | 7.43    | 7.86 | 6.8               | 2.57            | 94.3  |
| 671      | 8/4/2011 13:16:19 | 16.82  | 51.59  | 33.96        | 7.50    | 7.87 | 7.4               | 2.66            | 95.0  |
| 672      | 8/4/2011 13:31:19 | 16.56  | 51.55  | 33.93        | 7.62    | 7.87 | 9.4               | 2.76            | 95.9  |
| 673      | 8/4/2011 13:46:18 | 16.30  | 51.25  | 33.70        | 7.67    | 7.88 | 9.9               | 2.85            | 95.9  |
| 674      | 8/4/2011 14:01:18 | 15.66  | 51.38  | 33.79        | 7.79    | 7.87 | 13.2              | 2.96            | 96.3  |
| 675      | 8/4/2011 14:16:19 | 15.22  | 51.46  | 33.84        | 7.91    | 7.87 | 12.6              | 3.05            | 97.0  |
| 676      | 8/4/2011 14:31:19 | 14.65  | 51.51  | 33.86        | 7.97    | 7.87 | 12.2              | 3.15            | 96.6  |
| 677      | 8/4/2011 14:46:19 | 13.90  | 51.44  | 33.78        | 8.07    | 7.86 | 14.6              | 3.25            | 96.3  |
| 678      | 8/4/2011 15:01:19 | 13.50  | 51.56  | 33.86        | 8.21    | 7.87 | 9.8               | 3.35            | 97.2  |
| 679      | 8/4/2011 15:16:19 | 13.26  | 51.58  | 33.86        | 8.31    | 7.87 | 8.9               | 3.44            | 97.9  |
| 680      | 8/4/2011 15:31:19 | 12.99  | 51.61  | 33.88        | 8.38    | 7.88 | 6.5               | 3.52            | 98.2  |
| 681      | 8/4/2011 15:46:19 | 12.69  | 51.61  | 33.86        | 8.30    | 7.88 | 5.7               | 3.59            | 96.6  |
| 682      | 8/4/2011 16:01:19 | 12.41  | 51.50  | 33.77        | 8.24    | 7.87 | 4.9               | 3.65            | 95.3  |
| 683      | 8/4/2011 16:16:19 | 12.24  | 51.65  | 33.87        | 8.16    | 7.87 | 3.4               | 3.68            | 94.2  |
| 684      | 8/4/2011 16:31:19 | 12.95  | 51.03  | 33.45        | 7.78    | 7.86 | 2.7               | 3.70            | 90.9  |
| 685      | 8/4/2011 16:46:19 | 12.48  | 51.60  | 33.85        | 7.95    | 7.85 | 4.2               | 3.69            | 92.2  |
| 686      | 8/4/2011 17:01:19 | 12.37  | 51.64  | 33.87        | 8.00    | 7.86 | 4.7               | 3.66            | 92.5  |
| 687      | 8/4/2011 17:16:19 | 12.51  | 51.65  | 33.89        | 8.10    | 7.86 | 6.1               | 3.60            | 94.0  |
| 688      | 8/4/2011 17:31:19 | 13.67  | 51.45  | 33.78        | 8.42    | 7.89 | 6.5               | 3.52            | 100.0 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 689      | 8/4/2011 17:46:19 | 14.42  | 51.56           | 33.89        | 8.64            | 7.91 | 7.8               | 3.42            | 104.3 |
| 690      | 8/4/2011 18:01:19 | 15.21  | 51.54           | 33.90        | 8.66            | 7.92 | 10.9              | 3.32            | 106.2 |
| 691      | 8/4/2011 18:16:19 | 15.05  | 51.38           | 33.78        | 8.62            | 7.91 | 10.6              | 3.21            | 105.2 |
| 692      | 8/4/2011 18:31:19 | 15.21  | 51.55           | 33.90        | 8.50            | 7.91 | 12.0              | 3.09            | 104.2 |
| 693      | 8/4/2011 18:46:19 | 15.22  | 51.57           | 33.92        | 8.31            | 7.90 | 8.1               | 3.00            | 101.9 |
| 694      | 8/4/2011 19:01:19 | 15.56  | 51.55           | 33.91        | 8.30            | 7.90 | 7.0               | 2.88            | 102.5 |
| 695      | 8/4/2011 19:16:19 | 16.08  | 51.55           | 33.92        | 8.33            | 7.91 | 8.4               | 2.76            | 103.9 |
| 696      | 8/4/2011 19:31:19 | 16.42  | 51.52           | 33.90        | 8.16            | 7.90 | 7.8               | 2.65            | 102.4 |
| 697      | 8/4/2011 19:46:19 | 16.95  | 51.51           | 33.90        | 8.14            | 7.90 | 9.0               | 2.54            | 103.3 |
| 698      | 8/4/2011 20:01:19 | 17.27  | 51.49           | 33.89        | 8.13            | 7.91 | 7.5               | 2.42            | 103.8 |
| 699      | 8/4/2011 20:16:19 | 17.13  | 51.52           | 33.92        | 7.97            | 7.90 | 7.9               | 2.31            | 101.4 |
| 700      | 8/4/2011 20:31:19 | 17.05  | 51.58           | 33.96        | 7.98            | 7.90 | 8.2               | 2.20            | 101.4 |
| 701      | 8/4/2011 20:46:19 | 17.04  | 51.47           | 33.88        | 7.92            | 7.89 | 8.5               | 2.08            | 100.6 |
| 702      | 8/4/2011 21:01:19 | 17.13  | 51.51           | 33.91        | 7.87            | 7.89 | 8.1               | 1.96            | 100.2 |
| 703      | 8/4/2011 21:16:19 | 17.14  | 51.55           | 33.94        | 7.76            | 7.89 | 11.8              | 1.85            | 98.8  |
| 704      | 8/4/2011 21:31:19 | 17.29  | 51.53           | 33.93        | 7.62            | 7.88 | 7.6               | 1.75            | 97.3  |
| 705      | 8/4/2011 21:46:19 | 17.53  | 51.57           | 33.95        | 7.51            | 7.87 | 7.4               | 1.67            | 96.3  |
| 706      | 8/4/2011 22:01:18 | 17.78  | 51.31           | 33.77        | 7.41            | 7.88 | 6.8               | 1.59            | 95.4  |
| 707      | 8/4/2011 22:16:19 | 18.26  | 51.59           | 33.97        | 7.55            | 7.89 | 6.0               | 1.54            | 98.3  |
| 708      | 8/4/2011 22:31:19 | 18.41  | 51.58           | 33.97        | 7.51            | 7.89 | 5.0               | 1.52            | 98.0  |
| 709      | 8/4/2011 22:46:19 | 18.56  | 51.52           | 33.93        | 7.53            | 7.90 | 4.8               | 1.50            | 98.5  |
| 710      | 8/4/2011 23:01:19 | 18.52  | 51.60           | 33.98        | 7.53            | 7.90 | 4.1               | 1.53            | 98.5  |
| 711      | 8/4/2011 23:16:19 | 18.64  | 51.63           | 34.01        | 7.76            | 7.91 | 5.1               | 1.55            | 101.7 |
| 712      | 8/4/2011 23:31:19 | 18.69  | 51.64           | 34.02        | 7.86            | 7.92 | 4.6               | 1.61            | 103.1 |
| 713      | 8/4/2011 23:46:19 | 18.69  | 51.59           | 33.98        | 7.90            | 7.93 | 5.1               | 1.68            | 103.6 |
| 714      | 8/5/2011 00:01:19 | 18.60  | 51.59           | 33.98        | 7.85            | 7.92 | 5.7               | 1.76            | 102.8 |
| 715      | 8/5/2011 00:16:19 | 18.59  | 51.47           | 33.89        | 7.52            | 7.89 | 7.5               | 1.83            | 98.4  |
| 716      | 8/5/2011 00:31:19 | 18.49  | 51.40           | 33.84        | 7.46            | 7.88 | 6.8               | 1.90            | 97.4  |
| 717      | 8/5/2011 00:46:19 | 18.29  | 51.54           | 33.94        | 7.57            | 7.89 | 6.0               | 1.99            | 98.5  |
| 718      | 8/5/2011 01:01:19 | 18.15  | 51.49           | 33.90        | 7.56            | 7.89 | 5.2               | 2.07            | 98.2  |
| 719      | 8/5/2011 01:16:19 | 18.09  | 51.56           | 33.96        | 7.58            | 7.89 | 5.2               | 2.13            | 98.2  |
| 720      | 8/5/2011 01:31:19 | 17.90  | 51.54           | 33.93        | 7.63            | 7.89 | 4.8               | 2.21            | 98.6  |
| 721      | 8/5/2011 01:46:19 | 17.53  | 51.53           | 33.93        | 7.61            | 7.88 | 5.2               | 2.29            | 97.7  |
| 722      | 8/5/2011 02:01:19 | 17.31  | 51.60           | 33.98        | 7.61            | 7.88 | 5.1               | 2.37            | 97.3  |
| 723      | 8/5/2011 02:16:19 | 17.20  | 51.26           | 33.73        | 7.60            | 7.88 | 5.2               | 2.44            | 96.8  |
| 724      | 8/5/2011 02:31:19 | 17.02  | 51.59           | 33.96        | 7.61            | 7.87 | 5.4               | 2.51            | 96.7  |
| 725      | 8/5/2011 02:46:19 | 16.90  | 51.61           | 33.98        | 7.61            | 7.87 | 5.1               | 2.58            | 96.5  |
| 726      | 8/5/2011 03:01:19 | 16.70  | 51.63           | 33.99        | 7.64            | 7.87 | 4.8               | 2.65            | 96.5  |
| 727      | 8/5/2011 03:16:19 | 16.43  | 51.36           | 33.79        | 7.67            | 7.87 | 5.6               | 2.71            | 96.2  |
| 728      | 8/5/2011 03:31:19 | 16.26  | 51.46           | 33.86        | 7.65            | 7.87 | 4.9               | 2.77            | 95.7  |
| 729      | 8/5/2011 03:46:19 | 16.07  | 51.60           | 33.96        | 7.65            | 7.86 | 5.0               | 2.84            | 95.4  |
| 730      | 8/5/2011 04:01:19 | 15.78  | 51.55           | 33.92        | 7.71            | 7.87 | 4.9               | 2.89            | 95.6  |
| 731      | 8/5/2011 04:16:19 | 15.62  | 51.45           | 33.84        | 7.68            | 7.86 | 5.0               | 2.94            | 94.8  |
| 732      | 8/5/2011 04:31:19 | 15.38  | 51.53           | 33.89        | 7.68            | 7.86 | 4.2               | 2.98            | 94.4  |
| 733      | 8/5/2011 04:46:19 | 15.28  | 51.59           | 33.94        | 7.63            | 7.86 | 4.3               | 3.02            | 93.7  |
| 734      | 8/5/2011 05:01:19 | 15.72  | 51.05           | 33.54        | 7.43            | 7.86 | 4.3               | 3.03            | 91.8  |
| 735      | 8/5/2011 05:16:19 | 15.47  | 51.58           | 33.93        | 7.11            | 7.84 | 4.0               | 3.03            | 87.6  |
| 736      | 8/5/2011 05:31:19 | 15.17  | 51.59           | 33.93        | 7.39            | 7.84 | 3.8               | 3.03            | 90.5  |
| 737      | 8/5/2011 05:46:19 | 15.20  | 51.53           | 33.89        | 7.51            | 7.85 | 4.1               | 2.98            | 92.0  |
| 738      | 8/5/2011 06:01:19 | 15.38  | 51.43           | 33.82        | 7.50            | 7.85 | 5.7               | 2.93            | 92.2  |
| 739      | 8/5/2011 06:16:19 | 15.89  | 51.57           | 33.93        | 7.34            | 7.84 | 6.1               | 2.85            | 91.2  |
| 740      | 8/5/2011 06:31:19 | 16.13  | 51.60           | 33.96        | 7.16            | 7.83 | 6.7               | 2.78            | 89.4  |
| 741      | 8/5/2011 06:46:19 | 16.25  | 51.43           | 33.84        | 7.11            | 7.82 | 6.2               | 2.70            | 88.9  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                   |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 742      | 8/5/2011 07:01:19 | 16.34  | 51.57  | 33.94        | 7.01    | 7.82 | 6.2               | 2.59            | 87.9  |
| 743      | 8/5/2011 07:16:18 | 16.44  | 51.37  | 33.80        | 6.89    | 7.82 | 5.4               | 2.52            | 86.5  |
| 744      | 8/5/2011 07:31:19 | 16.57  | 51.63  | 33.99        | 6.71    | 7.80 | 5.3               | 2.45            | 84.6  |
| 745      | 8/5/2011 07:46:19 | 16.62  | 51.40  | 33.82        | 6.62    | 7.79 | 5.4               | 2.35            | 83.4  |
| 746      | 8/5/2011 08:01:19 | 16.69  | 51.57  | 33.94        | 6.55    | 7.78 | 4.9               | 2.26            | 82.7  |
| 747      | 8/5/2011 08:16:19 | 16.77  | 51.64  | 34.00        | 6.51    | 7.78 | 4.9               | 2.18            | 82.3  |
| 748      | 8/5/2011 08:31:19 | 16.83  | 51.61  | 33.98        | 6.63    | 7.79 | 4.9               | 2.10            | 83.9  |
| 749      | 8/5/2011 08:46:19 | 16.94  | 51.56  | 33.94        | 6.74    | 7.80 | 5.7               | 2.01            | 85.5  |
| 750      | 8/5/2011 09:01:19 | 16.88  | 51.52  | 33.91        | 6.76    | 7.80 | 4.5               | 1.93            | 85.6  |
| 751      | 8/5/2011 09:16:19 | 17.17  | 51.64  | 34.00        | 6.79    | 7.81 | 4.7               | 1.88            | 86.5  |
| 752      | 8/5/2011 09:31:19 | 17.27  | 51.61  | 33.98        | 6.74    | 7.81 | 4.3               | 1.84            | 86.0  |
| 753      | 8/5/2011 09:46:18 | 17.52  | 51.60  | 33.98        | 6.69    | 7.83 | 4.0               | 1.79            | 85.8  |
| 754      | 8/5/2011 10:01:19 | 17.66  | 51.61  | 33.99        | 6.65    | 7.82 | 3.6               | 1.74            | 85.6  |
| 755      | 8/5/2011 10:16:19 | 17.83  | 51.63  | 34.01        | 6.60    | 7.83 | 2.9               | 1.76            | 85.1  |
| 756      | 8/5/2011 10:31:19 | 17.82  | 51.62  | 33.99        | 6.70    | 7.82 | 3.4               | 1.75            | 86.4  |
| 757      | 8/5/2011 10:46:19 | 17.99  | 51.70  | 34.06        | 6.55    | 7.82 | 3.1               | 1.77            | 84.8  |
| 758      | 8/5/2011 11:01:19 | 17.88  | 51.66  | 34.02        | 6.66    | 7.82 | 3.7               | 1.82            | 86.0  |
| 759      | 8/5/2011 11:16:19 | 17.91  | 51.68  | 34.04        | 6.59    | 7.83 | 3.8               | 1.87            | 85.2  |
| 760      | 8/5/2011 11:31:19 | 17.89  | 51.64  | 34.01        | 6.62    | 7.82 | 5.3               | 1.94            | 85.5  |
| 761      | 8/5/2011 11:46:19 | 17.83  | 51.70  | 34.06        | 6.61    | 7.82 | 4.4               | 2.00            | 85.4  |
| 762      | 8/5/2011 12:01:19 | 17.80  | 51.48  | 33.89        | 6.61    | 7.81 | 5.6               | 2.08            | 85.2  |
| 763      | 8/5/2011 12:16:19 | 17.73  | 51.61  | 33.99        | 6.64    | 7.82 | 5.4               | 2.16            | 85.5  |
| 764      | 8/5/2011 12:31:18 | 17.61  | 51.35  | 33.80        | 6.77    | 7.83 | 4.5               | 2.24            | 86.9  |
| 765      | 8/5/2011 12:46:19 | 17.45  | 51.65  | 34.01        | 6.83    | 7.82 | 5.1               | 2.31            | 87.5  |
| 766      | 8/5/2011 13:01:19 | 17.23  | 51.65  | 34.01        | 6.84    | 7.83 | 5.5               | 2.40            | 87.3  |
| 767      | 8/5/2011 13:16:19 | 16.98  | 51.62  | 33.99        | 7.00    | 7.83 | 6.2               | 2.48            | 88.8  |
| 768      | 8/5/2011 13:31:19 | 16.85  | 51.45  | 33.86        | 7.15    | 7.84 | 4.8               | 2.56            | 90.4  |
| 769      | 8/5/2011 13:46:19 | 16.69  | 51.58  | 33.95        | 7.28    | 7.84 | 5.4               | 2.64            | 92.0  |
| 770      | 8/5/2011 14:01:19 | 16.53  | 51.60  | 33.97        | 7.43    | 7.85 | 6.5               | 2.73            | 93.5  |
| 771      | 8/5/2011 14:16:19 | 16.36  | 51.61  | 33.97        | 7.50    | 7.85 | 6.7               | 2.82            | 94.1  |
| 772      | 8/5/2011 14:31:19 | 16.10  | 51.34  | 33.77        | 7.62    | 7.86 | 8.5               | 2.91            | 95.0  |
| 773      | 8/5/2011 14:46:19 | 15.44  | 51.51  | 33.88        | 7.73    | 7.86 | 9.8               | 3.00            | 95.2  |
| 774      | 8/5/2011 15:01:19 | 14.97  | 51.41  | 33.80        | 7.90    | 7.86 | 10.4              | 3.09            | 96.3  |
| 775      | 8/5/2011 15:16:19 | 14.54  | 51.59  | 33.91        | 7.98    | 7.86 | 9.4               | 3.19            | 96.6  |
| 776      | 8/5/2011 15:31:19 | 13.94  | 51.52  | 33.85        | 8.08    | 7.86 | 9.5               | 3.28            | 96.5  |
| 777      | 8/5/2011 15:46:19 | 13.55  | 51.60  | 33.89        | 8.12    | 7.86 | 8.7               | 3.36            | 96.3  |
| 778      | 8/5/2011 16:01:19 | 13.22  | 51.64  | 33.91        | 8.26    | 7.87 | 7.4               | 3.45            | 97.3  |
| 779      | 8/5/2011 16:16:19 | 13.04  | 51.64  | 33.90        | 8.31    | 7.87 | 6.6               | 3.52            | 97.5  |
| 780      | 8/5/2011 16:31:19 | 12.87  | 51.63  | 33.88        | 8.32    | 7.88 | 5.4               | 3.58            | 97.2  |
| 781      | 8/5/2011 16:46:19 | 12.60  | 51.67  | 33.90        | 8.26    | 7.87 | 4.9               | 3.64            | 96.0  |
| 782      | 8/5/2011 17:01:19 | 12.41  | 51.64  | 33.87        | 8.12    | 7.86 | 3.9               | 3.66            | 94.0  |
| 783      | 8/5/2011 17:16:19 | 13.55  | 51.30  | 33.67        | 8.13    | 7.86 | 3.7               | 3.68            | 96.3  |
| 784      | 8/5/2011 17:31:19 | 12.72  | 51.68  | 33.92        | 7.97    | 7.85 | 3.6               | 3.68            | 92.9  |
| 785      | 8/5/2011 17:46:19 | 12.55  | 51.67  | 33.90        | 7.93    | 7.85 | 3.8               | 3.65            | 92.1  |
| 786      | 8/5/2011 18:01:19 | 12.69  | 51.50  | 33.78        | 8.03    | 7.86 | 4.7               | 3.59            | 93.5  |
| 787      | 8/5/2011 18:16:19 | 14.10  | 51.52  | 33.85        | 8.31    | 7.89 | 6.5               | 3.52            | 99.6  |
| 788      | 8/5/2011 18:31:19 | 14.18  | 51.55  | 33.87        | 8.49    | 7.89 | 6.5               | 3.44            | 101.9 |
| 789      | 8/5/2011 18:46:19 | 15.16  | 51.60  | 33.94        | 8.57    | 7.91 | 5.9               | 3.34            | 105.0 |
| 790      | 8/5/2011 19:01:19 | 15.21  | 51.45  | 33.83        | 8.46    | 7.90 | 10.7              | 3.24            | 103.6 |
| 791      | 8/5/2011 19:16:19 | 15.21  | 51.62  | 33.96        | 8.38    | 7.89 | 8.3               | 3.13            | 102.8 |
| 792      | 8/5/2011 19:31:19 | 15.41  | 51.53  | 33.89        | 8.26    | 7.90 | 9.0               | 3.02            | 101.7 |
| 793      | 8/5/2011 19:46:19 | 15.55  | 51.61  | 33.95        | 8.23    | 7.89 | 7.0               | 2.92            | 101.6 |
| 794      | 8/5/2011 20:01:19 | 15.92  | 51.46  | 33.85        | 8.30    | 7.89 | 8.9               | 2.81            | 103.1 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 795      | 8/5/2011 20:16:19 | 16.48  | 51.53           | 33.92        | 7.95            | 7.89 | 7.4               | 2.70            | 99.9  |
| 796      | 8/5/2011 20:31:19 | 16.60  | 51.60           | 33.97        | 7.87            | 7.88 | 7.2               | 2.60            | 99.2  |
| 797      | 8/5/2011 20:46:19 | 16.97  | 51.60           | 33.97        | 7.83            | 7.87 | 8.7               | 2.49            | 99.4  |
| 798      | 8/5/2011 21:01:19 | 17.27  | 51.62           | 33.99        | 7.92            | 7.90 | 7.5               | 2.37            | 101.1 |
| 799      | 8/5/2011 21:16:19 | 17.16  | 51.57           | 33.95        | 7.89            | 7.89 | 8.1               | 2.26            | 100.6 |
| 800      | 8/5/2011 21:31:19 | 17.15  | 51.60           | 33.98        | 7.86            | 7.89 | 12.1              | 2.14            | 100.1 |
| 801      | 8/5/2011 21:46:19 | 17.30  | 51.62           | 33.99        | 7.73            | 7.88 | 8.9               | 2.02            | 98.8  |
| 802      | 8/5/2011 22:01:19 | 17.39  | 51.65           | 34.01        | 7.62            | 7.88 | 8.2               | 1.91            | 97.5  |
| 803      | 8/5/2011 22:16:19 | 17.35  | 51.45           | 33.87        | 7.48            | 7.86 | 6.6               | 1.80            | 95.6  |
| 804      | 8/5/2011 22:31:19 | 17.50  | 51.65           | 34.02        | 7.36            | 7.85 | 6.0               | 1.71            | 94.5  |
| 805      | 8/5/2011 22:46:19 | 17.66  | 51.57           | 33.96        | 7.29            | 7.85 | 5.8               | 1.61            | 93.8  |
| 806      | 8/5/2011 23:01:18 | 17.96  | 51.43           | 33.86        | 7.33            | 7.86 | 5.1               | 1.54            | 94.8  |
| 807      | 8/5/2011 23:16:19 | 18.35  | 51.67           | 34.04        | 7.48            | 7.87 | 4.5               | 1.49            | 97.5  |
| 808      | 8/5/2011 23:31:19 | 18.32  | 51.64           | 34.01        | 7.38            | 7.87 | 4.6               | 1.45            | 96.2  |
| 809      | 8/5/2011 23:46:19 | 18.64  | 51.70           | 34.06        | 7.55            | 7.89 | 4.1               | 1.45            | 98.9  |
| 810      | 8/6/2011 00:01:19 | 18.38  | 51.69           | 34.05        | 7.45            | 7.87 | 4.3               | 1.46            | 97.2  |
| 811      | 8/6/2011 00:16:19 | 18.72  | 51.70           | 34.06        | 7.78            | 7.90 | 3.5               | 1.49            | 102.2 |
| 812      | 8/6/2011 00:31:19 | 18.56  | 51.55           | 33.95        | 7.66            | 7.89 | 3.8               | 1.53            | 100.3 |
| 813      | 8/6/2011 00:46:19 | 18.66  | 51.66           | 34.03        | 7.80            | 7.90 | 5.6               | 1.58            | 102.3 |
| 814      | 8/6/2011 01:01:18 | 18.58  | 51.60           | 33.99        | 7.77            | 7.91 | 4.5               | 1.65            | 101.7 |
| 815      | 8/6/2011 01:16:19 | 18.60  | 51.55           | 33.95        | 7.51            | 7.88 | 6.3               | 1.72            | 98.3  |
| 816      | 8/6/2011 01:31:19 | 18.64  | 51.41           | 33.84        | 7.28            | 7.85 | 7.1               | 1.79            | 95.3  |
| 817      | 8/6/2011 01:46:19 | 18.44  | 51.48           | 33.90        | 7.32            | 7.86 | 5.4               | 1.84            | 95.5  |
| 818      | 8/6/2011 02:01:19 | 18.34  | 51.62           | 34.00        | 7.41            | 7.87 | 5.4               | 1.92            | 96.5  |
| 819      | 8/6/2011 02:16:19 | 18.18  | 51.62           | 34.00        | 7.41            | 7.87 | 4.9               | 2.00            | 96.3  |
| 820      | 8/6/2011 02:31:19 | 18.09  | 51.59           | 33.98        | 7.39            | 7.87 | 4.8               | 2.05            | 95.9  |
| 821      | 8/6/2011 02:46:19 | 18.01  | 51.61           | 33.99        | 7.43            | 7.87 | 4.7               | 2.13            | 96.2  |
| 822      | 8/6/2011 03:01:19 | 17.77  | 51.63           | 34.00        | 7.48            | 7.87 | 4.5               | 2.20            | 96.4  |
| 823      | 8/6/2011 03:16:19 | 17.57  | 51.61           | 33.99        | 7.45            | 7.86 | 4.9               | 2.28            | 95.6  |
| 824      | 8/6/2011 03:31:19 | 17.36  | 51.49           | 33.90        | 7.43            | 7.86 | 4.6               | 2.34            | 95.0  |
| 825      | 8/6/2011 03:46:19 | 17.25  | 51.61           | 33.98        | 7.41            | 7.86 | 5.0               | 2.41            | 94.6  |
| 826      | 8/6/2011 04:01:19 | 17.10  | 51.63           | 34.00        | 7.47            | 7.86 | 4.8               | 2.48            | 95.0  |
| 827      | 8/6/2011 04:16:19 | 17.00  | 51.63           | 33.99        | 7.49            | 7.86 | 4.8               | 2.55            | 95.1  |
| 828      | 8/6/2011 04:31:19 | 16.88  | 51.61           | 33.98        | 7.48            | 7.86 | 4.6               | 2.59            | 94.8  |
| 829      | 8/6/2011 04:46:19 | 16.60  | 51.53           | 33.92        | 7.51            | 7.85 | 4.6               | 2.65            | 94.6  |
| 830      | 8/6/2011 05:01:19 | 16.44  | 51.55           | 33.93        | 7.52            | 7.85 | 4.4               | 2.71            | 94.4  |
| 831      | 8/6/2011 05:16:19 | 16.29  | 51.56           | 33.93        | 7.49            | 7.85 | 4.0               | 2.75            | 93.8  |
| 832      | 8/6/2011 05:31:19 | 16.15  | 51.53           | 33.91        | 7.44            | 7.85 | 4.0               | 2.79            | 93.0  |
| 833      | 8/6/2011 05:46:19 | 15.93  | 51.56           | 33.93        | 7.45            | 7.84 | 3.8               | 2.83            | 92.6  |
| 834      | 8/6/2011 06:01:19 | 15.85  | 51.58           | 33.94        | 7.41            | 7.85 | 4.0               | 2.85            | 92.0  |
| 835      | 8/6/2011 06:16:19 | 15.76  | 51.50           | 33.88        | 7.28            | 7.84 | 3.8               | 2.87            | 90.2  |
| 836      | 8/6/2011 06:31:19 | 15.98  | 51.60           | 33.95        | 7.09            | 7.83 | 3.5               | 2.87            | 88.3  |
| 837      | 8/6/2011 06:46:19 | 15.75  | 51.49           | 33.87        | 7.04            | 7.83 | 4.0               | 2.86            | 87.2  |
| 838      | 8/6/2011 07:01:19 | 15.72  | 51.60           | 33.95        | 7.20            | 7.83 | 3.7               | 2.84            | 89.2  |
| 839      | 8/6/2011 07:16:19 | 15.85  | 51.55           | 33.92        | 7.27            | 7.84 | 4.2               | 2.79            | 90.2  |
| 840      | 8/6/2011 07:31:19 | 16.15  | 51.58           | 33.95        | 7.18            | 7.83 | 4.4               | 2.73            | 89.7  |
| 841      | 8/6/2011 07:46:19 | 16.47  | 51.60           | 33.97        | 7.04            | 7.83 | 4.9               | 2.68            | 88.6  |
| 842      | 8/6/2011 08:01:19 | 16.62  | 51.55           | 33.93        | 6.80            | 7.80 | 4.9               | 2.62            | 85.8  |
| 843      | 8/6/2011 08:16:19 | 16.72  | 51.61           | 33.98        | 6.63            | 7.78 | 5.0               | 2.53            | 83.8  |
| 844      | 8/6/2011 08:31:19 | 16.75  | 51.54           | 33.92        | 6.70            | 7.79 | 4.9               | 2.46            | 84.6  |
| 845      | 8/6/2011 08:46:19 | 16.81  | 51.63           | 33.99        | 6.77            | 7.80 | 5.7               | 2.40            | 85.7  |
| 846      | 8/6/2011 09:01:19 | 16.84  | 51.59           | 33.96        | 6.71            | 7.79 | 4.6               | 2.33            | 85.0  |
| 847      | 8/6/2011 09:16:19 | 16.83  | 51.53           | 33.92        | 6.71            | 7.80 | 5.2               | 2.26            | 85.0  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 848      | 8/6/2011 09:31:19 | 17.13  | 51.53           | 33.92        | 6.68            | 7.79 | 4.6               | 2.19            | 85.1  |
| 849      | 8/6/2011 09:46:19 | 17.09  | 51.58           | 33.96        | 6.84            | 7.80 | 4.2               | 2.14            | 87.0  |
| 850      | 8/6/2011 10:01:19 | 17.29  | 51.62           | 33.99        | 6.80            | 7.81 | 4.1               | 2.10            | 86.9  |
| 851      | 8/6/2011 10:16:19 | 17.44  | 51.61           | 33.99        | 6.80            | 7.81 | 4.0               | 2.03            | 87.1  |
| 852      | 8/6/2011 10:31:19 | 17.49  | 51.65           | 34.02        | 6.85            | 7.81 | 4.1               | 2.00            | 87.8  |
| 853      | 8/6/2011 10:46:19 | 17.66  | 51.57           | 33.96        | 6.96            | 7.83 | 3.8               | 2.00            | 89.5  |
| 854      | 8/6/2011 11:01:19 | 17.79  | 51.71           | 34.06        | 6.80            | 7.83 | 3.2               | 1.99            | 87.8  |
| 855      | 8/6/2011 11:16:19 | 17.64  | 51.62           | 33.99        | 6.64            | 7.81 | 4.0               | 1.97            | 85.4  |
| 856      | 8/6/2011 11:31:18 | 17.90  | 51.40           | 33.84        | 6.75            | 7.83 | 2.9               | 2.00            | 87.2  |
| 857      | 8/6/2011 11:46:18 | 17.84  | 51.48           | 33.89        | 6.79            | 7.83 | 5.2               | 2.03            | 87.6  |
| 858      | 8/6/2011 12:01:18 | 17.77  | 51.40           | 33.84        | 6.81            | 7.83 | 10.1              | 2.06            | 87.8  |
| 859      | 8/6/2011 12:16:19 | 17.73  | 51.63           | 34.00        | 6.79            | 7.82 | 4.3               | 2.11            | 87.4  |
| 860      | 8/6/2011 12:31:18 | 17.63  | 51.40           | 33.83        | 6.77            | 7.82 | 7.1               | 2.16            | 86.9  |
| 861      | 8/6/2011 12:46:19 | 17.54  | 51.66           | 34.02        | 6.75            | 7.82 | 4.6               | 2.22            | 86.6  |
| 862      | 8/6/2011 13:01:19 | 17.47  | 51.62           | 33.99        | 6.78            | 7.82 | 7.2               | 2.28            | 86.9  |
| 863      | 8/6/2011 13:16:19 | 17.35  | 51.64           | 34.01        | 6.90            | 7.82 | 6.8               | 2.35            | 88.2  |
| 864      | 8/6/2011 13:31:19 | 17.25  | 51.63           | 33.99        | 6.94            | 7.82 | 3.9               | 2.41            | 88.6  |
| 865      | 8/6/2011 13:46:19 | 17.12  | 51.55           | 33.94        | 7.03            | 7.83 | 4.5               | 2.48            | 89.4  |
| 866      | 8/6/2011 14:01:19 | 16.93  | 51.61           | 33.98        | 7.07            | 7.83 | 17.6              | 2.55            | 89.7  |
| 867      | 8/6/2011 14:16:19 | 16.71  | 51.50           | 33.90        | 7.22            | 7.84 | 4.1               | 2.62            | 91.2  |
| 868      | 8/6/2011 14:31:19 | 16.53  | 51.56           | 33.93        | 7.33            | 7.84 | 4.4               | 2.70            | 92.2  |
| 869      | 8/6/2011 14:46:19 | 16.33  | 51.59           | 33.95        | 7.40            | 7.85 | 4.8               | 2.77            | 92.8  |
| 870      | 8/6/2011 15:01:19 | 16.05  | 51.42           | 33.83        | 7.45            | 7.85 | 5.5               | 2.85            | 92.9  |
| 871      | 8/6/2011 15:16:19 | 15.73  | 51.58           | 33.93        | 7.55            | 7.85 | 5.7               | 2.93            | 93.5  |
| 872      | 8/6/2011 15:31:19 | 15.53  | 51.58           | 33.93        | 7.67            | 7.86 | 6.3               | 3.01            | 94.6  |
| 873      | 8/6/2011 15:46:19 | 15.16  | 51.60           | 33.94        | 7.76            | 7.86 | 6.5               | 3.09            | 95.0  |
| 874      | 8/6/2011 16:01:19 | 14.69  | 51.55           | 33.89        | 7.84            | 7.86 | 7.3               | 3.17            | 95.1  |
| 875      | 8/6/2011 16:16:19 | 14.30  | 51.62           | 33.93        | 7.95            | 7.86 | 6.7               | 3.26            | 95.7  |
| 876      | 8/6/2011 16:31:19 | 13.90  | 51.61           | 33.91        | 7.93            | 7.86 | 6.3               | 3.34            | 94.7  |
| 877      | 8/6/2011 16:46:19 | 13.44  | 51.63           | 33.90        | 7.88            | 7.85 | 5.6               | 3.41            | 93.2  |
| 878      | 8/6/2011 17:01:19 | 13.06  | 51.66           | 33.91        | 7.83            | 7.85 | 4.9               | 3.48            | 91.9  |
| 879      | 8/6/2011 17:16:19 | 12.92  | 51.65           | 33.90        | 7.82            | 7.85 | 4.5               | 3.55            | 91.6  |
| 880      | 8/6/2011 17:31:19 | 12.69  | 51.65           | 33.89        | 7.85            | 7.85 | 3.8               | 3.59            | 91.5  |
| 881      | 8/6/2011 17:46:19 | 12.60  | 51.67           | 33.90        | 7.82            | 7.85 | 3.4               | 3.62            | 90.9  |
| 882      | 8/6/2011 18:01:19 | 12.57  | 51.59           | 33.84        | 7.83            | 7.85 | 2.6               | 3.65            | 90.9  |
| 883      | 8/6/2011 18:16:19 | 12.86  | 51.67           | 33.91        | 7.79            | 7.85 | 3.3               | 3.65            | 91.0  |
| 884      | 8/6/2011 18:31:19 | 12.67  | 51.66           | 33.90        | 7.64            | 7.83 | 3.2               | 3.63            | 89.0  |
| 885      | 8/6/2011 18:46:19 | 12.71  | 51.66           | 33.90        | 7.73            | 7.84 | 4.9               | 3.59            | 90.1  |
| 886      | 8/6/2011 19:01:19 | 13.09  | 51.59           | 33.86        | 7.71            | 7.84 | 5.4               | 3.54            | 90.5  |
| 887      | 8/6/2011 19:16:19 | 14.68  | 51.58           | 33.91        | 7.89            | 7.87 | 5.6               | 3.47            | 95.7  |
| 888      | 8/6/2011 19:31:19 | 14.93  | 51.63           | 33.95        | 8.02            | 7.88 | 6.6               | 3.37            | 97.8  |
| 889      | 8/6/2011 19:46:19 | 15.46  | 51.56           | 33.92        | 8.15            | 7.89 | 7.3               | 3.29            | 100.4 |
| 890      | 8/6/2011 20:01:19 | 15.40  | 51.61           | 33.95        | 8.10            | 7.89 | 7.4               | 3.19            | 99.7  |
| 891      | 8/6/2011 20:16:19 | 15.41  | 51.61           | 33.95        | 7.99            | 7.88 | 6.6               | 3.09            | 98.4  |
| 892      | 8/6/2011 20:31:19 | 15.43  | 51.52           | 33.89        | 7.96            | 7.87 | 6.5               | 2.99            | 97.9  |
| 893      | 8/6/2011 20:46:19 | 15.78  | 51.43           | 33.83        | 7.91            | 7.88 | 7.4               | 2.89            | 98.1  |
| 894      | 8/6/2011 21:01:19 | 16.15  | 51.59           | 33.95        | 7.86            | 7.88 | 6.2               | 2.80            | 98.2  |
| 895      | 8/6/2011 21:16:19 | 16.44  | 51.58           | 33.95        | 7.78            | 7.87 | 6.6               | 2.68            | 97.7  |
| 896      | 8/6/2011 21:31:19 | 16.83  | 51.52           | 33.91        | 7.78            | 7.88 | 7.3               | 2.58            | 98.4  |
| 897      | 8/6/2011 21:46:19 | 17.18  | 51.51           | 33.91        | 7.81            | 7.89 | 6.7               | 2.49            | 99.4  |
| 898      | 8/6/2011 22:01:19 | 17.22  | 51.57           | 33.95        | 7.67            | 7.87 | 7.0               | 2.37            | 97.8  |
| 899      | 8/6/2011 22:16:19 | 17.25  | 51.61           | 33.98        | 7.61            | 7.87 | 6.0               | 2.26            | 97.1  |
| 900      | 8/6/2011 22:31:19 | 17.26  | 51.64           | 34.01        | 7.56            | 7.87 | 7.0               | 2.14            | 96.5  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 901      | 8/6/2011 22:46:19 | 17.05  | 51.63           | 33.99        | 7.44            | 7.85 | 7.6               | 2.03            | 94.6  |
| 902      | 8/6/2011 23:01:19 | 17.27  | 51.54           | 33.93        | 7.27            | 7.84 | 7.2               | 1.92            | 92.8  |
| 903      | 8/6/2011 23:16:19 | 17.27  | 51.57           | 33.96        | 7.26            | 7.84 | 6.3               | 1.80            | 92.7  |
| 904      | 8/6/2011 23:31:19 | 17.62  | 51.61           | 33.99        | 7.20            | 7.84 | 5.3               | 1.70            | 92.6  |
| 905      | 8/6/2011 23:46:19 | 17.65  | 51.66           | 34.02        | 7.13            | 7.84 | 5.0               | 1.61            | 91.7  |
| 906      | 8/7/2011 00:01:19 | 18.04  | 51.65           | 34.02        | 7.23            | 7.85 | 5.1               | 1.54            | 93.7  |
| 907      | 8/7/2011 00:16:19 | 18.01  | 51.69           | 34.05        | 7.19            | 7.85 | 4.5               | 1.46            | 93.1  |
| 908      | 8/7/2011 00:31:19 | 18.37  | 51.70           | 34.06        | 7.35            | 7.87 | 4.5               | 1.42            | 95.9  |
| 909      | 8/7/2011 00:46:19 | 18.42  | 51.67           | 34.04        | 7.39            | 7.87 | 4.3               | 1.41            | 96.5  |
| 910      | 8/7/2011 01:01:19 | 18.40  | 51.62           | 34.00        | 7.37            | 7.87 | 4.0               | 1.42            | 96.2  |
| 911      | 8/7/2011 01:16:19 | 18.60  | 51.69           | 34.05        | 7.51            | 7.89 | 3.5               | 1.42            | 98.4  |
| 912      | 8/7/2011 01:31:18 | 18.69  | 51.64           | 34.01        | 7.66            | 7.90 | 3.2               | 1.45            | 100.5 |
| 913      | 8/7/2011 01:46:19 | 18.53  | 51.57           | 33.97        | 7.56            | 7.89 | 3.8               | 1.50            | 98.8  |
| 914      | 8/7/2011 02:01:19 | 18.64  | 51.69           | 34.05        | 7.71            | 7.90 | 3.6               | 1.56            | 101.1 |
| 915      | 8/7/2011 02:16:19 | 18.57  | 51.64           | 34.01        | 7.67            | 7.89 | 3.6               | 1.61            | 100.4 |
| 916      | 8/7/2011 02:31:19 | 18.56  | 51.58           | 33.97        | 7.50            | 7.88 | 5.4               | 1.67            | 98.2  |
| 917      | 8/7/2011 02:46:19 | 18.53  | 51.48           | 33.90        | 7.27            | 7.86 | 5.5               | 1.73            | 95.0  |
| 918      | 8/7/2011 03:01:19 | 18.44  | 51.51           | 33.92        | 7.21            | 7.85 | 5.6               | 1.80            | 94.1  |
| 919      | 8/7/2011 03:16:19 | 18.35  | 51.50           | 33.91        | 7.22            | 7.86 | 5.2               | 1.86            | 94.1  |
| 920      | 8/7/2011 03:31:19 | 18.22  | 51.55           | 33.95        | 7.28            | 7.86 | 4.5               | 1.93            | 94.7  |
| 921      | 8/7/2011 03:46:19 | 18.08  | 51.66           | 34.02        | 7.31            | 7.86 | 4.1               | 2.00            | 94.8  |
| 922      | 8/7/2011 04:01:19 | 18.00  | 51.50           | 33.91        | 7.30            | 7.86 | 3.7               | 2.07            | 94.4  |
| 923      | 8/7/2011 04:16:19 | 17.86  | 51.60           | 33.98        | 7.30            | 7.86 | 4.0               | 2.15            | 94.3  |
| 924      | 8/7/2011 04:31:18 | 17.67  | 51.40           | 33.83        | 7.31            | 7.86 | 4.4               | 2.21            | 94.0  |
| 925      | 8/7/2011 04:46:19 | 17.46  | 51.61           | 33.99        | 7.29            | 7.85 | 4.5               | 2.28            | 93.4  |
| 926      | 8/7/2011 05:01:19 | 17.26  | 51.60           | 33.98        | 7.23            | 7.84 | 4.5               | 2.36            | 92.3  |
| 927      | 8/7/2011 05:16:19 | 17.16  | 51.58           | 33.96        | 7.21            | 7.84 | 5.1               | 2.42            | 91.9  |
| 928      | 8/7/2011 05:31:19 | 16.98  | 51.56           | 33.94        | 7.22            | 7.84 | 3.8               | 2.48            | 91.7  |
| 929      | 8/7/2011 05:46:19 | 16.94  | 51.54           | 33.93        | 7.26            | 7.84 | 4.2               | 2.54            | 92.1  |
| 930      | 8/7/2011 06:01:19 | 16.76  | 51.52           | 33.91        | 7.26            | 7.84 | 4.0               | 2.59            | 91.8  |
| 931      | 8/7/2011 06:16:19 | 16.58  | 51.54           | 33.93        | 7.27            | 7.84 | 4.0               | 2.64            | 91.6  |
| 932      | 8/7/2011 06:31:19 | 16.36  | 51.50           | 33.89        | 7.25            | 7.84 | 4.3               | 2.69            | 90.9  |
| 933      | 8/7/2011 06:46:19 | 16.26  | 51.52           | 33.90        | 7.23            | 7.84 | 4.0               | 2.73            | 90.5  |
| 934      | 8/7/2011 07:01:19 | 16.12  | 51.54           | 33.91        | 7.18            | 7.83 | 3.8               | 2.76            | 89.6  |
| 935      | 8/7/2011 07:16:19 | 16.03  | 51.47           | 33.86        | 7.19            | 7.83 | 3.5               | 2.79            | 89.6  |
| 936      | 8/7/2011 07:31:19 | 15.90  | 51.47           | 33.86        | 7.14            | 7.83 | 3.1               | 2.81            | 88.7  |
| 937      | 8/7/2011 07:46:19 | 16.24  | 51.43           | 33.84        | 6.83            | 7.82 | 3.5               | 2.82            | 85.4  |
| 938      | 8/7/2011 08:01:19 | 15.89  | 51.55           | 33.92        | 6.78            | 7.81 | 3.2               | 2.82            | 84.2  |
| 939      | 8/7/2011 08:16:19 | 15.91  | 51.58           | 33.94        | 6.82            | 7.82 | 2.9               | 2.81            | 84.8  |
| 940      | 8/7/2011 08:31:19 | 15.86  | 51.44           | 33.84        | 6.90            | 7.82 | 3.2               | 2.79            | 85.6  |
| 941      | 8/7/2011 08:46:19 | 16.02  | 51.47           | 33.86        | 6.91            | 7.82 | 3.4               | 2.75            | 86.1  |
| 942      | 8/7/2011 09:01:19 | 16.32  | 51.51           | 33.89        | 6.90            | 7.82 | 4.0               | 2.69            | 86.4  |
| 943      | 8/7/2011 09:16:19 | 16.51  | 51.57           | 33.94        | 6.91            | 7.82 | 4.3               | 2.66            | 86.9  |
| 944      | 8/7/2011 09:31:19 | 16.64  | 51.57           | 33.95        | 6.87            | 7.81 | 4.7               | 2.59            | 86.7  |
| 945      | 8/7/2011 09:46:19 | 16.77  | 51.53           | 33.92        | 6.74            | 7.80 | 4.3               | 2.53            | 85.3  |
| 946      | 8/7/2011 10:01:19 | 16.78  | 51.62           | 33.99        | 6.45            | 7.76 | 4.4               | 2.48            | 81.6  |
| 947      | 8/7/2011 10:16:19 | 16.78  | 51.62           | 33.99        | 6.55            | 7.77 | 4.4               | 2.42            | 82.9  |
| 948      | 8/7/2011 10:31:19 | 16.85  | 51.63           | 33.99        | 6.57            | 7.77 | 4.0               | 2.38            | 83.3  |
| 949      | 8/7/2011 10:46:19 | 16.96  | 51.68           | 34.03        | 6.72            | 7.79 | 4.2               | 2.32            | 85.3  |
| 950      | 8/7/2011 11:01:19 | 17.09  | 51.56           | 33.95        | 6.80            | 7.79 | 4.0               | 2.28            | 86.6  |
| 951      | 8/7/2011 11:16:19 | 17.18  | 51.69           | 34.04        | 6.90            | 7.80 | 4.1               | 2.25            | 88.0  |
| 952      | 8/7/2011 11:31:19 | 17.40  | 51.64           | 34.01        | 6.96            | 7.81 | 3.7               | 2.21            | 89.2  |
| 953      | 8/7/2011 11:46:19 | 17.52  | 51.68           | 34.03        | 7.07            | 7.82 | 6.0               | 2.19            | 90.7  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%  |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                   |        | mS/cm  |              | mg/L    |      | NTU        |                 |      |
| 954      | 8/7/2011 12:01:19 | 17.68  | 51.52  | 33.92        | 7.02    | 7.83 | 3.2        | 2.18            | 90.3 |
| 955      | 8/7/2011 12:16:19 | 17.71  | 51.67  | 34.03        | 6.90    | 7.82 | 4.9        | 2.19            | 88.9 |
| 956      | 8/7/2011 12:31:19 | 17.69  | 51.64  | 34.01        | 6.95    | 7.82 | 14.9       | 2.17            | 89.5 |
| 957      | 8/7/2011 12:46:19 | 17.69  | 51.61  | 33.99        | 7.06    | 7.83 | 19.5       | 2.20            | 90.8 |
| 958      | 8/7/2011 13:01:19 | 17.64  | 51.64  | 34.01        | 7.09    | 7.83 | 22.8       | 2.23            | 91.2 |
| 959      | 8/7/2011 13:16:19 | 17.54  | 51.65  | 34.01        | 7.05    | 7.83 | 20.0       | 2.26            | 90.5 |
| 960      | 8/7/2011 13:31:19 | 17.46  | 51.51  | 33.91        | 7.03    | 7.83 | 18.2       | 2.30            | 90.1 |
| 961      | 8/7/2011 13:46:19 | 17.33  | 51.61  | 33.98        | 6.93    | 7.82 | 14.4       | 2.35            | 88.6 |
| 962      | 8/7/2011 14:01:19 | 17.17  | 51.59  | 33.97        | 6.93    | 7.82 | 11.5       | 2.41            | 88.3 |
| 963      | 8/7/2011 14:16:19 | 17.10  | 51.58  | 33.96        | 6.96    | 7.82 | 11.3       | 2.46            | 88.5 |
| 964      | 8/7/2011 14:31:19 | 17.01  | 51.61  | 33.98        | 7.08    | 7.83 | 5.7        | 2.51            | 90.0 |
| 965      | 8/7/2011 14:46:19 | 16.92  | 51.50  | 33.90        | 7.11    | 7.83 | 4.9        | 2.57            | 90.2 |
| 966      | 8/7/2011 15:01:19 | 16.72  | 51.49  | 33.89        | 7.14    | 7.83 | 4.8        | 2.64            | 90.2 |
| 967      | 8/7/2011 15:16:19 | 16.47  | 51.46  | 33.86        | 7.18    | 7.83 | 7.8        | 2.69            | 90.2 |
| 968      | 8/7/2011 15:31:19 | 16.37  | 51.45  | 33.85        | 7.23    | 7.83 | 5.4        | 2.77            | 90.6 |
| 969      | 8/7/2011 15:46:19 | 15.93  | 51.57  | 33.93        | 7.42    | 7.84 | 4.8        | 2.84            | 92.3 |
| 970      | 8/7/2011 16:01:19 | 15.63  | 51.48  | 33.86        | 7.49    | 7.84 | 5.9        | 2.90            | 92.6 |
| 971      | 8/7/2011 16:16:19 | 15.47  | 51.41  | 33.81        | 7.53    | 7.84 | 6.5        | 2.98            | 92.7 |
| 972      | 8/7/2011 16:31:19 | 15.28  | 51.58  | 33.93        | 7.57    | 7.85 | 7.8        | 3.05            | 93.0 |
| 973      | 8/7/2011 16:46:19 | 15.24  | 51.55  | 33.90        | 7.64    | 7.85 | 6.5        | 3.12            | 93.8 |
| 974      | 8/7/2011 17:01:19 | 14.89  | 51.57  | 33.91        | 7.66    | 7.84 | 6.3        | 3.21            | 93.4 |
| 975      | 8/7/2011 17:16:19 | 14.22  | 51.45  | 33.81        | 7.81    | 7.85 | 8.0        | 3.28            | 93.8 |
| 976      | 8/7/2011 17:31:19 | 13.93  | 51.60  | 33.90        | 7.77    | 7.84 | 7.1        | 3.35            | 92.9 |
| 977      | 8/7/2011 17:46:19 | 13.72  | 51.58  | 33.88        | 7.78    | 7.84 | 4.5        | 3.42            | 92.6 |
| 978      | 8/7/2011 18:01:19 | 13.30  | 51.48  | 33.79        | 7.77    | 7.84 | 4.4        | 3.48            | 91.6 |
| 979      | 8/7/2011 18:16:19 | 12.98  | 51.56  | 33.84        | 7.80    | 7.84 | 3.7        | 3.52            | 91.4 |
| 980      | 8/7/2011 18:31:19 | 12.81  | 51.64  | 33.89        | 7.83    | 7.84 | 3.1        | 3.57            | 91.4 |
| 981      | 8/7/2011 18:46:19 | 12.67  | 51.66  | 33.90        | 7.87    | 7.85 | 2.7        | 3.61            | 91.6 |
| 982      | 8/7/2011 19:01:19 | 12.64  | 51.65  | 33.89        | 7.79    | 7.85 | 2.3        | 3.63            | 90.6 |
| 983      | 8/7/2011 19:16:19 | 12.93  | 51.71  | 33.95        | 7.76    | 7.84 | 3.8        | 3.63            | 90.9 |
| 984      | 8/7/2011 19:31:19 | 12.70  | 51.61  | 33.87        | 7.73    | 7.84 | 3.7        | 3.61            | 90.1 |
| 985      | 8/7/2011 19:46:19 | 12.76  | 51.62  | 33.88        | 7.77    | 7.84 | 3.1        | 3.59            | 90.6 |
| 986      | 8/7/2011 20:01:19 | 13.01  | 51.67  | 33.92        | 7.69    | 7.83 | 4.8        | 3.53            | 90.1 |
| 987      | 8/7/2011 20:16:19 | 14.15  | 51.67  | 33.96        | 7.61    | 7.84 | 4.1        | 3.46            | 91.3 |
| 988      | 8/7/2011 20:31:19 | 14.70  | 51.62  | 33.94        | 7.60    | 7.84 | 6.0        | 3.39            | 92.3 |
| 989      | 8/7/2011 20:46:19 | 15.50  | 51.63  | 33.97        | 8.03    | 7.88 | 6.5        | 3.31            | 99.1 |
| 990      | 8/7/2011 21:01:19 | 15.37  | 51.49  | 33.86        | 8.00    | 7.88 | 6.3        | 3.22            | 98.4 |
| 991      | 8/7/2011 21:16:19 | 15.42  | 51.56  | 33.92        | 7.96    | 7.87 | 6.5        | 3.12            | 98.0 |
| 992      | 8/7/2011 21:31:19 | 15.59  | 51.58  | 33.93        | 7.84    | 7.86 | 6.1        | 3.02            | 96.8 |
| 993      | 8/7/2011 21:46:19 | 15.71  | 51.50  | 33.88        | 7.80    | 7.86 | 5.4        | 2.93            | 96.6 |
| 994      | 8/7/2011 22:01:19 | 15.99  | 51.59  | 33.95        | 7.68    | 7.86 | 6.1        | 2.84            | 95.7 |
| 995      | 8/7/2011 22:16:19 | 16.34  | 51.57  | 33.94        | 7.68    | 7.86 | 5.9        | 2.72            | 96.3 |
| 996      | 8/7/2011 22:31:19 | 16.67  | 51.62  | 33.98        | 7.70    | 7.86 | 7.0        | 2.62            | 97.1 |
| 997      | 8/7/2011 22:46:19 | 16.89  | 51.48  | 33.88        | 7.54    | 7.85 | 5.6        | 2.52            | 95.5 |
| 998      | 8/7/2011 23:01:19 | 17.06  | 51.56  | 33.94        | 7.82    | 7.87 | 5.5        | 2.41            | 99.4 |
| 999      | 8/7/2011 23:16:19 | 16.94  | 51.54  | 33.93        | 7.67    | 7.86 | 6.2        | 2.28            | 97.3 |
| 1000     | 8/7/2011 23:31:19 | 16.87  | 51.65  | 34.01        | 7.45    | 7.84 | 6.4        | 2.16            | 94.5 |
| 1001     | 8/7/2011 23:46:19 | 16.65  | 51.65  | 34.01        | 7.38    | 7.83 | 6.5        | 2.05            | 93.1 |
| 1002     | 8/8/2011 00:01:19 | 16.92  | 51.46  | 33.87        | 7.24    | 7.83 | 7.1        | 1.92            | 91.8 |
| 1003     | 8/8/2011 00:16:19 | 17.05  | 51.55  | 33.94        | 7.20    | 7.83 | 7.1        | 1.79            | 91.5 |
| 1004     | 8/8/2011 00:31:19 | 17.10  | 51.67  | 34.02        | 7.11    | 7.82 | 6.1        | 1.69            | 90.4 |
| 1005     | 8/8/2011 00:46:19 | 17.29  | 51.70  | 34.05        | 7.09    | 7.82 | 5.9        | 1.60            | 90.6 |
| 1006     | 8/8/2011 01:01:19 | 17.38  | 51.66  | 34.02        | 7.05    | 7.82 | 5.6        | 1.50            | 90.2 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 1007     | 8/8/2011 01:16:19 | 17.66  | 51.60  | 33.98        | 7.20    | 7.83 | 5.7        | 1.42            | 92.6  |
| 1008     | 8/8/2011 01:31:19 | 17.76  | 51.72  | 34.07        | 7.14    | 7.84 | 6.2        | 1.37            | 92.1  |
| 1009     | 8/8/2011 01:46:19 | 17.93  | 51.65  | 34.02        | 7.23    | 7.84 | 4.6        | 1.34            | 93.5  |
| 1010     | 8/8/2011 02:01:19 | 18.09  | 51.75  | 34.09        | 7.41    | 7.86 | 4.2        | 1.31            | 96.2  |
| 1011     | 8/8/2011 02:16:19 | 17.90  | 51.63  | 34.00        | 7.33    | 7.86 | 4.2        | 1.32            | 94.7  |
| 1012     | 8/8/2011 02:31:19 | 18.24  | 51.62  | 34.00        | 7.60    | 7.88 | 5.1        | 1.35            | 98.8  |
| 1013     | 8/8/2011 02:46:19 | 18.24  | 51.74  | 34.09        | 7.61    | 7.88 | 3.4        | 1.38            | 99.1  |
| 1014     | 8/8/2011 03:01:19 | 18.25  | 51.65  | 34.02        | 7.63    | 7.88 | 4.6        | 1.42            | 99.3  |
| 1015     | 8/8/2011 03:16:19 | 18.28  | 51.74  | 34.09        | 7.75    | 7.89 | 3.7        | 1.49            | 100.9 |
| 1016     | 8/8/2011 03:31:19 | 18.21  | 51.64  | 34.01        | 7.68    | 7.88 | 15.1       | 1.55            | 99.8  |
| 1017     | 8/8/2011 03:46:19 | 18.19  | 51.58  | 33.97        | 7.46    | 7.86 | 5.8        | 1.61            | 96.9  |
| 1018     | 8/8/2011 04:01:19 | 18.16  | 51.49  | 33.90        | 7.35    | 7.85 | 4.9        | 1.67            | 95.4  |
| 1019     | 8/8/2011 04:16:19 | 18.10  | 51.43  | 33.86        | 7.25    | 7.84 | 5.9        | 1.73            | 94.0  |
| 1020     | 8/8/2011 04:31:19 | 18.02  | 51.50  | 33.91        | 7.29    | 7.85 | 5.3        | 1.81            | 94.3  |
| 1021     | 8/8/2011 04:46:18 | 17.90  | 51.41  | 33.84        | 7.31    | 7.85 | 4.6        | 1.87            | 94.4  |
| 1022     | 8/8/2011 05:01:19 | 17.81  | 51.56  | 33.95        | 7.28    | 7.85 | 4.7        | 1.95            | 93.9  |
| 1023     | 8/8/2011 05:16:19 | 17.74  | 51.61  | 33.99        | 7.29    | 7.85 | 18.4       | 2.02            | 93.9  |
| 1024     | 8/8/2011 05:31:19 | 17.61  | 51.65  | 34.02        | 7.30    | 7.85 | 4.3        | 2.09            | 93.8  |
| 1025     | 8/8/2011 05:46:19 | 17.44  | 51.63  | 34.00        | 7.26    | 7.85 | 8.0        | 2.18            | 93.1  |
| 1026     | 8/8/2011 06:01:19 | 17.21  | 51.64  | 34.01        | 7.20    | 7.84 | 4.6        | 2.24            | 91.8  |
| 1027     | 8/8/2011 06:16:19 | 17.06  | 51.59  | 33.97        | 7.15    | 7.83 | 4.7        | 2.32            | 90.9  |
| 1028     | 8/8/2011 06:31:19 | 16.94  | 51.63  | 33.99        | 7.13    | 7.83 | 4.4        | 2.39            | 90.5  |
| 1029     | 8/8/2011 06:46:19 | 16.85  | 51.62  | 33.98        | 7.13    | 7.83 | 4.2        | 2.45            | 90.3  |
| 1030     | 8/8/2011 07:01:19 | 16.82  | 51.55  | 33.93        | 7.13    | 7.82 | 4.0        | 2.52            | 90.2  |
| 1031     | 8/8/2011 07:16:19 | 16.70  | 51.44  | 33.85        | 7.16    | 7.83 | 4.1        | 2.57            | 90.3  |
| 1032     | 8/8/2011 07:31:19 | 16.49  | 51.55  | 33.93        | 7.13    | 7.82 | 4.0        | 2.63            | 89.6  |
| 1033     | 8/8/2011 07:46:19 | 16.28  | 51.51  | 33.90        | 7.11    | 7.82 | 4.1        | 2.69            | 89.0  |
| 1034     | 8/8/2011 08:01:19 | 16.16  | 51.51  | 33.90        | 7.08    | 7.82 | 4.0        | 2.73            | 88.4  |
| 1035     | 8/8/2011 08:16:19 | 16.05  | 51.44  | 33.84        | 7.08    | 7.81 | 3.7        | 2.77            | 88.2  |
| 1036     | 8/8/2011 08:31:19 | 15.91  | 51.56  | 33.92        | 7.04    | 7.81 | 3.2        | 2.80            | 87.5  |
| 1037     | 8/8/2011 08:46:19 | 15.76  | 51.53  | 33.90        | 7.02    | 7.81 | 3.5        | 2.84            | 86.9  |
| 1038     | 8/8/2011 09:01:19 | 15.68  | 51.49  | 33.87        | 7.02    | 7.81 | 2.6        | 2.86            | 86.8  |
| 1039     | 8/8/2011 09:16:19 | 15.94  | 51.43  | 33.83        | 6.85    | 7.81 | 3.2        | 2.86            | 85.2  |
| 1040     | 8/8/2011 09:31:19 | 15.70  | 51.56  | 33.92        | 6.76    | 7.79 | 3.8        | 2.86            | 83.7  |
| 1041     | 8/8/2011 09:46:19 | 15.70  | 51.50  | 33.88        | 6.81    | 7.80 | 3.2        | 2.85            | 84.2  |
| 1042     | 8/8/2011 10:01:19 | 15.65  | 51.45  | 33.84        | 6.81    | 7.80 | 3.2        | 2.84            | 84.2  |
| 1043     | 8/8/2011 10:16:19 | 15.75  | 51.55  | 33.91        | 6.85    | 7.80 | 4.1        | 2.78            | 84.9  |
| 1044     | 8/8/2011 10:31:19 | 16.11  | 51.51  | 33.89        | 6.98    | 7.81 | 4.5        | 2.74            | 87.1  |
| 1045     | 8/8/2011 10:46:19 | 16.32  | 51.60  | 33.97        | 7.00    | 7.81 | 4.5        | 2.70            | 87.7  |
| 1046     | 8/8/2011 11:01:19 | 16.46  | 51.61  | 33.97        | 6.91    | 7.80 | 4.3        | 2.65            | 86.9  |
| 1047     | 8/8/2011 11:16:19 | 16.58  | 51.63  | 33.99        | 7.01    | 7.79 | 4.3        | 2.58            | 88.3  |
| 1048     | 8/8/2011 11:31:19 | 16.65  | 51.63  | 33.99        | 7.19    | 7.80 | 6.2        | 2.53            | 90.7  |
| 1049     | 8/8/2011 11:46:19 | 16.73  | 51.49  | 33.89        | 7.24    | 7.82 | 4.9        | 2.47            | 91.4  |
| 1050     | 8/8/2011 12:01:19 | 16.79  | 51.50  | 33.89        | 7.24    | 7.82 | 4.6        | 2.43            | 91.6  |
| 1051     | 8/8/2011 12:16:19 | 16.83  | 51.58  | 33.96        | 7.16    | 7.83 | 4.3        | 2.38            | 90.6  |
| 1052     | 8/8/2011 12:31:19 | 16.86  | 51.52  | 33.91        | 7.37    | 7.84 | 4.0        | 2.34            | 93.3  |
| 1053     | 8/8/2011 12:46:19 | 16.95  | 51.60  | 33.97        | 7.49    | 7.84 | 3.8        | 2.32            | 95.1  |
| 1054     | 8/8/2011 13:01:19 | 16.95  | 51.53  | 33.92        | 7.90    | 7.87 | 4.0        | 2.30            | 100.2 |
| 1055     | 8/8/2011 13:16:19 | 17.07  | 51.52  | 33.92        | 7.62    | 7.84 | 6.3        | 2.27            | 96.8  |
| 1056     | 8/8/2011 13:31:19 | 17.21  | 51.66  | 34.02        | 7.40    | 7.84 | 3.5        | 2.26            | 94.4  |
| 1057     | 8/8/2011 13:46:19 | 17.25  | 51.66  | 34.02        | 7.33    | 7.84 | 4.1        | 2.29            | 93.6  |
| 1058     | 8/8/2011 14:01:19 | 17.25  | 51.63  | 34.00        | 7.25    | 7.83 | 4.0        | 2.30            | 92.6  |
| 1059     | 8/8/2011 14:16:19 | 17.21  | 51.63  | 34.00        | 7.16    | 7.82 | 4.6        | 2.32            | 91.4  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%  |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                   |        | mS/cm  |              | mg/L    |      | NTU        |                 |      |
| 1060     | 8/8/2011 14:31:19 | 17.23  | 51.61  | 33.99        | 7.10    | 7.82 | 3.4        | 2.34            | 90.5 |
| 1061     | 8/8/2011 14:46:19 | 17.14  | 51.64  | 34.00        | 7.17    | 7.83 | 3.5        | 2.40            | 91.3 |
| 1062     | 8/8/2011 15:01:19 | 17.04  | 51.65  | 34.01        | 7.13    | 7.82 | 4.6        | 2.45            | 90.7 |
| 1063     | 8/8/2011 15:16:19 | 16.95  | 51.56  | 33.94        | 7.12    | 7.82 | 3.8        | 2.47            | 90.4 |
| 1064     | 8/8/2011 15:31:19 | 16.87  | 51.59  | 33.96        | 7.16    | 7.82 | 3.5        | 2.54            | 90.7 |
| 1065     | 8/8/2011 15:46:19 | 16.73  | 51.48  | 33.88        | 7.19    | 7.82 | 3.7        | 2.60            | 90.8 |
| 1066     | 8/8/2011 16:01:19 | 16.62  | 51.44  | 33.85        | 7.25    | 7.82 | 3.4        | 2.66            | 91.4 |
| 1067     | 8/8/2011 16:16:19 | 16.26  | 51.48  | 33.88        | 7.16    | 7.81 | 3.8        | 2.71            | 89.6 |
| 1068     | 8/8/2011 16:31:19 | 15.92  | 51.58  | 33.94        | 7.21    | 7.81 | 3.9        | 2.78            | 89.7 |
| 1069     | 8/8/2011 16:46:19 | 15.65  | 51.47  | 33.86        | 7.26    | 7.82 | 3.9        | 2.84            | 89.8 |
| 1070     | 8/8/2011 17:01:19 | 15.37  | 51.53  | 33.89        | 7.39    | 7.82 | 4.2        | 2.90            | 90.9 |
| 1071     | 8/8/2011 17:16:19 | 15.11  | 51.58  | 33.92        | 7.54    | 7.83 | 4.0        | 2.97            | 92.2 |
| 1072     | 8/8/2011 17:31:19 | 14.97  | 51.58  | 33.92        | 7.56    | 7.83 | 4.0        | 3.04            | 92.3 |
| 1073     | 8/8/2011 17:46:19 | 14.61  | 51.53  | 33.87        | 7.54    | 7.83 | 3.5        | 3.12            | 91.3 |
| 1074     | 8/8/2011 18:01:19 | 14.45  | 51.62  | 33.93        | 7.64    | 7.84 | 3.8        | 3.19            | 92.2 |
| 1075     | 8/8/2011 18:16:19 | 14.17  | 51.57  | 33.89        | 7.73    | 7.84 | 4.2        | 3.26            | 92.8 |
| 1076     | 8/8/2011 18:31:19 | 13.71  | 51.42  | 33.76        | 7.80    | 7.84 | 4.4        | 3.33            | 92.8 |
| 1077     | 8/8/2011 18:46:19 | 13.34  | 51.62  | 33.89        | 7.71    | 7.83 | 4.1        | 3.40            | 91.0 |
| 1078     | 8/8/2011 19:01:19 | 13.16  | 51.57  | 33.86        | 7.67    | 7.83 | 4.2        | 3.46            | 90.1 |
| 1079     | 8/8/2011 19:16:19 | 12.90  | 51.64  | 33.89        | 7.63    | 7.82 | 3.7        | 3.52            | 89.2 |
| 1080     | 8/8/2011 19:31:19 | 12.68  | 51.68  | 33.91        | 7.62    | 7.82 | 3.2        | 3.56            | 88.7 |
| 1081     | 8/8/2011 19:46:19 | 12.50  | 51.69  | 33.92        | 7.67    | 7.82 | 2.4        | 3.60            | 89.0 |
| 1082     | 8/8/2011 20:01:19 | 12.42  | 51.67  | 33.89        | 7.60    | 7.82 | 2.7        | 3.62            | 88.0 |
| 1083     | 8/8/2011 20:16:19 | 12.95  | 51.61  | 33.88        | 7.53    | 7.82 | 3.0        | 3.63            | 88.2 |
| 1084     | 8/8/2011 20:31:19 | 12.49  | 51.62  | 33.86        | 7.33    | 7.81 | 2.3        | 3.63            | 85.0 |
| 1085     | 8/8/2011 20:46:19 | 12.51  | 51.68  | 33.90        | 7.44    | 7.81 | 2.6        | 3.60            | 86.3 |
| 1086     | 8/8/2011 21:01:19 | 12.60  | 51.56  | 33.82        | 7.45    | 7.81 | 3.8        | 3.56            | 86.6 |
| 1087     | 8/8/2011 21:16:19 | 13.65  | 51.65  | 33.93        | 7.51    | 7.82 | 4.2        | 3.50            | 89.2 |
| 1088     | 8/8/2011 21:31:19 | 14.31  | 51.59  | 33.90        | 7.44    | 7.81 | 6.6        | 3.44            | 89.6 |
| 1089     | 8/8/2011 21:46:19 | 14.65  | 51.54  | 33.88        | 7.47    | 7.82 | 5.2        | 3.35            | 90.6 |
| 1090     | 8/8/2011 22:01:19 | 15.07  | 51.46  | 33.83        | 7.95    | 7.86 | 7.5        | 3.26            | 97.2 |
| 1091     | 8/8/2011 22:16:19 | 15.01  | 51.63  | 33.96        | 7.90    | 7.86 | 7.0        | 3.17            | 96.4 |
| 1092     | 8/8/2011 22:31:19 | 15.18  | 51.60  | 33.94        | 7.81    | 7.85 | 6.2        | 3.07            | 95.8 |
| 1093     | 8/8/2011 22:46:19 | 15.20  | 51.60  | 33.94        | 7.70    | 7.84 | 10.3       | 2.97            | 94.4 |
| 1094     | 8/8/2011 23:01:19 | 15.39  | 51.46  | 33.84        | 7.59    | 7.83 | 5.2        | 2.86            | 93.3 |
| 1095     | 8/8/2011 23:16:19 | 15.90  | 51.47  | 33.86        | 7.54    | 7.83 | 6.7        | 2.75            | 93.7 |
| 1096     | 8/8/2011 23:31:19 | 16.25  | 51.61  | 33.97        | 7.53    | 7.84 | 6.7        | 2.65            | 94.3 |
| 1097     | 8/8/2011 23:46:19 | 16.52  | 51.56  | 33.93        | 7.67    | 7.84 | 6.5        | 2.53            | 96.5 |
| 1098     | 8/9/2011 00:01:19 | 16.58  | 51.65  | 34.01        | 7.40    | 7.83 | 6.4        | 2.42            | 93.3 |
| 1099     | 8/9/2011 00:16:19 | 16.66  | 51.60  | 33.97        | 7.52    | 7.84 | 6.2        | 2.29            | 94.9 |
| 1100     | 8/9/2011 00:31:19 | 16.51  | 51.47  | 33.87        | 7.34    | 7.82 | 6.8        | 2.17            | 92.2 |
| 1101     | 8/9/2011 00:46:19 | 16.49  | 51.66  | 34.01        | 7.25    | 7.82 | 6.5        | 2.05            | 91.3 |
| 1102     | 8/9/2011 01:01:19 | 16.58  | 51.67  | 34.02        | 7.17    | 7.81 | 7.0        | 1.92            | 90.3 |
| 1103     | 8/9/2011 01:16:19 | 16.39  | 51.69  | 34.03        | 6.98    | 7.79 | 6.7        | 1.79            | 87.6 |
| 1104     | 8/9/2011 01:31:19 | 16.68  | 51.67  | 34.02        | 6.97    | 7.79 | 6.6        | 1.67            | 88.1 |
| 1105     | 8/9/2011 01:46:19 | 16.82  | 51.52  | 33.91        | 6.94    | 7.80 | 6.0        | 1.56            | 87.9 |
| 1106     | 8/9/2011 02:01:19 | 17.05  | 51.61  | 33.98        | 6.99    | 7.80 | 6.3        | 1.45            | 88.9 |
| 1107     | 8/9/2011 02:16:19 | 17.25  | 51.66  | 34.02        | 7.03    | 7.81 | 5.7        | 1.35            | 89.7 |
| 1108     | 8/9/2011 02:31:19 | 17.22  | 51.72  | 34.06        | 6.93    | 7.80 | 11.4       | 1.29            | 88.4 |
| 1109     | 8/9/2011 02:46:19 | 17.30  | 51.70  | 34.05        | 6.89    | 7.80 | 4.7        | 1.24            | 88.1 |
| 1110     | 8/9/2011 03:01:19 | 17.35  | 51.68  | 34.03        | 6.96    | 7.81 | 4.9        | 1.21            | 89.1 |
| 1111     | 8/9/2011 03:16:19 | 17.12  | 51.64  | 34.00        | 6.73    | 7.79 | 4.0        | 1.21            | 85.7 |
| 1112     | 8/9/2011 03:31:19 | 17.63  | 51.76  | 34.10        | 7.18    | 7.84 | 3.9        | 1.23            | 92.4 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1113     | 8/9/2011 03:46:19 | 17.69  | 51.75           | 34.09        | 7.32            | 7.85 | 3.9               | 1.28            | 94.2  |
| 1114     | 8/9/2011 04:01:19 | 17.73  | 51.74           | 34.08        | 7.39            | 7.86 | 3.8               | 1.33            | 95.3  |
| 1115     | 8/9/2011 04:16:19 | 17.75  | 51.73           | 34.08        | 7.44            | 7.86 | 3.7               | 1.39            | 95.9  |
| 1116     | 8/9/2011 04:31:19 | 17.70  | 51.71           | 34.06        | 7.41            | 7.86 | 3.9               | 1.44            | 95.4  |
| 1117     | 8/9/2011 04:46:18 | 17.67  | 51.22           | 33.70        | 7.33            | 7.84 | 6.5               | 1.53            | 94.2  |
| 1118     | 8/9/2011 05:01:19 | 17.66  | 51.44           | 33.86        | 7.24            | 7.83 | 6.7               | 1.58            | 93.0  |
| 1119     | 8/9/2011 05:16:19 | 17.62  | 51.45           | 33.87        | 7.19            | 7.83 | 6.1               | 1.64            | 92.4  |
| 1120     | 8/9/2011 05:31:19 | 17.56  | 51.44           | 33.86        | 7.19            | 7.83 | 7.6               | 1.72            | 92.3  |
| 1121     | 8/9/2011 05:46:19 | 17.45  | 51.59           | 33.97        | 7.21            | 7.83 | 9.6               | 1.80            | 92.4  |
| 1122     | 8/9/2011 06:01:19 | 17.38  | 51.60           | 33.98        | 7.20            | 7.83 | 4.9               | 1.87            | 92.1  |
| 1123     | 8/9/2011 06:16:19 | 17.34  | 51.62           | 33.99        | 7.19            | 7.83 | 4.4               | 1.93            | 91.9  |
| 1124     | 8/9/2011 06:31:19 | 17.29  | 51.59           | 33.97        | 7.19            | 7.83 | 4.8               | 2.03            | 91.8  |
| 1125     | 8/9/2011 06:46:19 | 17.06  | 51.60           | 33.97        | 7.18            | 7.83 | 4.9               | 2.12            | 91.3  |
| 1126     | 8/9/2011 07:01:19 | 16.94  | 51.59           | 33.96        | 7.10            | 7.82 | 5.4               | 2.18            | 90.1  |
| 1127     | 8/9/2011 07:16:19 | 16.79  | 51.59           | 33.96        | 7.05            | 7.81 | 5.4               | 2.28            | 89.2  |
| 1128     | 8/9/2011 07:31:19 | 16.65  | 51.60           | 33.97        | 7.04            | 7.81 | 4.9               | 2.35            | 88.7  |
| 1129     | 8/9/2011 07:46:19 | 16.55  | 51.60           | 33.96        | 7.02            | 7.81 | 4.9               | 2.43            | 88.3  |
| 1130     | 8/9/2011 08:01:19 | 16.46  | 51.54           | 33.92        | 7.00            | 7.80 | 4.9               | 2.51            | 87.9  |
| 1131     | 8/9/2011 08:16:19 | 16.32  | 51.62           | 33.98        | 6.89            | 7.79 | 4.5               | 2.57            | 86.4  |
| 1132     | 8/9/2011 08:31:19 | 16.09  | 51.52           | 33.90        | 6.86            | 7.79 | 4.8               | 2.64            | 85.6  |
| 1133     | 8/9/2011 08:46:19 | 15.95  | 51.56           | 33.92        | 6.94            | 7.79 | 4.3               | 2.70            | 86.3  |
| 1134     | 8/9/2011 09:01:19 | 15.78  | 51.55           | 33.91        | 6.99            | 7.80 | 4.2               | 2.76            | 86.6  |
| 1135     | 8/9/2011 09:16:19 | 15.48  | 51.48           | 33.86        | 7.04            | 7.80 | 3.7               | 2.80            | 86.8  |
| 1136     | 8/9/2011 09:31:19 | 15.30  | 51.50           | 33.87        | 7.07            | 7.80 | 3.5               | 2.85            | 86.8  |
| 1137     | 8/9/2011 09:46:19 | 15.19  | 51.52           | 33.88        | 7.07            | 7.80 | 3.4               | 2.89            | 86.6  |
| 1138     | 8/9/2011 10:01:19 | 15.17  | 51.54           | 33.89        | 7.02            | 7.80 | 3.1               | 2.92            | 86.0  |
| 1139     | 8/9/2011 10:16:19 | 14.80  | 51.63           | 33.95        | 7.05            | 7.80 | 2.9               | 2.94            | 85.8  |
| 1140     | 8/9/2011 10:31:19 | 15.19  | 51.64           | 33.97        | 6.93            | 7.79 | 3.6               | 2.94            | 84.9  |
| 1141     | 8/9/2011 10:46:19 | 14.85  | 51.53           | 33.88        | 6.88            | 7.78 | 3.0               | 2.94            | 83.8  |
| 1142     | 8/9/2011 11:01:19 | 14.88  | 51.52           | 33.88        | 6.90            | 7.79 | 3.2               | 2.92            | 84.0  |
| 1143     | 8/9/2011 11:16:19 | 15.07  | 51.37           | 33.77        | 6.93            | 7.79 | 4.4               | 2.88            | 84.7  |
| 1144     | 8/9/2011 11:31:19 | 15.34  | 51.55           | 33.91        | 6.96            | 7.79 | 3.7               | 2.84            | 85.5  |
| 1145     | 8/9/2011 11:46:19 | 15.60  | 51.51           | 33.88        | 7.06            | 7.80 | 4.7               | 2.78            | 87.3  |
| 1146     | 8/9/2011 12:01:19 | 15.70  | 51.50           | 33.88        | 7.11            | 7.80 | 4.6               | 2.74            | 88.0  |
| 1147     | 8/9/2011 12:16:19 | 15.92  | 51.40           | 33.81        | 7.22            | 7.81 | 4.6               | 2.67            | 89.7  |
| 1148     | 8/9/2011 12:31:19 | 16.08  | 51.58           | 33.94        | 7.34            | 7.82 | 4.5               | 2.61            | 91.6  |
| 1149     | 8/9/2011 12:46:19 | 16.17  | 51.57           | 33.94        | 7.46            | 7.82 | 4.2               | 2.55            | 93.3  |
| 1150     | 8/9/2011 13:01:19 | 16.28  | 51.57           | 33.94        | 7.63            | 7.84 | 4.5               | 2.50            | 95.6  |
| 1151     | 8/9/2011 13:16:19 | 16.39  | 51.52           | 33.91        | 7.63            | 7.84 | 4.2               | 2.45            | 95.7  |
| 1152     | 8/9/2011 13:31:19 | 16.47  | 51.50           | 33.89        | 8.03            | 7.86 | 4.3               | 2.39            | 100.9 |
| 1153     | 8/9/2011 13:46:19 | 16.56  | 51.60           | 33.97        | 8.24            | 7.87 | 4.0               | 2.37            | 103.8 |
| 1154     | 8/9/2011 14:01:19 | 16.64  | 51.60           | 33.97        | 8.08            | 7.86 | 3.6               | 2.33            | 101.9 |
| 1155     | 8/9/2011 14:16:19 | 16.82  | 51.57           | 33.95        | 8.09            | 7.87 | 3.5               | 2.29            | 102.3 |
| 1156     | 8/9/2011 14:31:19 | 16.87  | 51.62           | 33.98        | 7.84            | 7.86 | 3.1               | 2.27            | 99.4  |
| 1157     | 8/9/2011 14:46:19 | 16.93  | 51.51           | 33.90        | 8.16            | 7.88 | 3.2               | 2.27            | 103.4 |
| 1158     | 8/9/2011 15:01:19 | 16.83  | 51.56           | 33.94        | 8.24            | 7.87 | 3.7               | 2.28            | 104.3 |
| 1159     | 8/9/2011 15:16:19 | 17.05  | 51.64           | 34.00        | 7.75            | 7.85 | 2.9               | 2.27            | 98.6  |
| 1160     | 8/9/2011 15:31:19 | 16.99  | 51.65           | 34.01        | 7.73            | 7.85 | 3.2               | 2.31            | 98.2  |
| 1161     | 8/9/2011 15:46:19 | 17.02  | 51.61           | 33.98        | 7.40            | 7.83 | 11.5              | 2.35            | 94.0  |
| 1162     | 8/9/2011 16:01:19 | 16.97  | 51.51           | 33.90        | 7.51            | 7.83 | 3.6               | 2.38            | 95.3  |
| 1163     | 8/9/2011 16:16:19 | 16.85  | 51.57           | 33.95        | 7.45            | 7.83 | 3.7               | 2.43            | 94.4  |
| 1164     | 8/9/2011 16:31:19 | 16.76  | 51.61           | 33.98        | 7.39            | 7.82 | 4.2               | 2.49            | 93.4  |
| 1165     | 8/9/2011 16:46:19 | 16.68  | 51.58           | 33.95        | 7.48            | 7.83 | 3.7               | 2.55            | 94.4  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|------|
| 1166     | 8/9/2011 17:01:19  | 16.55  | 51.55           | 33.93        | 7.48            | 7.83 | 3.7               | 2.61            | 94.2 |
| 1167     | 8/9/2011 17:16:19  | 16.30  | 51.59           | 33.95        | 7.30            | 7.81 | 3.4               | 2.67            | 91.5 |
| 1168     | 8/9/2011 17:31:19  | 15.89  | 51.52           | 33.89        | 7.29            | 7.81 | 3.8               | 2.73            | 90.5 |
| 1169     | 8/9/2011 17:46:19  | 15.55  | 51.50           | 33.88        | 7.36            | 7.82 | 3.8               | 2.80            | 90.9 |
| 1170     | 8/9/2011 18:01:19  | 15.24  | 51.51           | 33.88        | 7.43            | 7.82 | 4.0               | 2.87            | 91.2 |
| 1171     | 8/9/2011 18:16:19  | 14.98  | 51.43           | 33.81        | 7.59            | 7.83 | 4.0               | 2.93            | 92.5 |
| 1172     | 8/9/2011 18:31:19  | 14.82  | 51.46           | 33.83        | 7.70            | 7.84 | 4.5               | 3.01            | 93.6 |
| 1173     | 8/9/2011 18:46:19  | 14.58  | 51.60           | 33.92        | 7.70            | 7.84 | 4.4               | 3.08            | 93.2 |
| 1174     | 8/9/2011 19:01:19  | 14.33  | 51.51           | 33.85        | 7.74            | 7.84 | 4.0               | 3.16            | 93.2 |
| 1175     | 8/9/2011 19:16:19  | 14.19  | 51.56           | 33.88        | 7.79            | 7.84 | 5.2               | 3.23            | 93.6 |
| 1176     | 8/9/2011 19:31:19  | 13.73  | 51.59           | 33.89        | 7.97            | 7.85 | 4.9               | 3.31            | 94.9 |
| 1177     | 8/9/2011 19:46:19  | 13.44  | 51.59           | 33.88        | 8.18            | 7.86 | 5.0               | 3.39            | 96.7 |
| 1178     | 8/9/2011 20:01:19  | 13.28  | 51.60           | 33.88        | 8.31            | 7.87 | 5.2               | 3.45            | 98.0 |
| 1179     | 8/9/2011 20:16:19  | 12.96  | 51.60           | 33.86        | 8.43            | 7.87 | 4.2               | 3.51            | 98.7 |
| 1180     | 8/9/2011 20:31:19  | 12.75  | 51.63           | 33.88        | 8.43            | 7.85 | 3.6               | 3.57            | 98.3 |
| 1181     | 8/9/2011 20:46:19  | 12.61  | 51.62           | 33.87        | 8.46            | 7.84 | 4.6               | 3.62            | 98.4 |
| 1182     | 8/9/2011 21:01:19  | 12.54  | 51.59           | 33.84        | 8.39            | 7.91 | 7.5               | 3.64            | 97.4 |
| 1183     | 8/9/2011 21:16:19  | 12.83  | 51.52           | 33.80        | 8.19            | 7.90 | 2.4               | 3.66            | 95.6 |
| 1184     | 8/9/2011 21:31:19  | 12.45  | 51.62           | 33.86        | 8.19            | 7.89 | 2.9               | 3.66            | 94.9 |
| 1185     | 8/9/2011 21:46:19  | 12.48  | 51.65           | 33.88        | 8.24            | 7.90 | 2.9               | 3.65            | 95.5 |
| 1186     | 8/9/2011 22:01:19  | 12.57  | 51.59           | 33.84        | 8.25            | 7.89 | 4.0               | 3.61            | 95.8 |
| 1187     | 8/9/2011 22:16:19  | 12.79  | 51.62           | 33.88        | 8.17            | 7.86 | 4.3               | 3.54            | 95.3 |
| 1188     | 8/9/2011 22:31:19  | 14.16  | 51.57           | 33.89        | 7.34            | 7.81 | 7.0               | 3.47            | 88.1 |
| 1189     | 8/9/2011 22:46:19  | 14.30  | 51.63           | 33.93        | 7.69            | 7.84 | 4.8               | 3.38            | 92.6 |
| 1190     | 8/9/2011 23:01:19  | 14.79  | 51.58           | 33.92        | 8.07            | 7.86 | 7.0               | 3.29            | 98.1 |
| 1191     | 8/9/2011 23:16:19  | 14.58  | 51.54           | 33.88        | 8.01            | 7.86 | 7.0               | 3.18            | 96.9 |
| 1192     | 8/9/2011 23:31:19  | 14.83  | 51.61           | 33.94        | 7.94            | 7.86 | 6.5               | 3.08            | 96.6 |
| 1193     | 8/9/2011 23:46:19  | 14.93  | 51.60           | 33.93        | 7.79            | 7.85 | 6.2               | 2.97            | 95.0 |
| 1194     | 8/10/2011 00:01:19 | 15.17  | 51.59           | 33.93        | 7.63            | 7.83 | 6.1               | 2.87            | 93.5 |
| 1195     | 8/10/2011 00:16:19 | 15.61  | 51.59           | 33.94        | 7.49            | 7.83 | 6.1               | 2.75            | 92.6 |
| 1196     | 8/10/2011 00:31:19 | 16.01  | 51.63           | 33.98        | 7.46            | 7.83 | 7.0               | 2.64            | 93.0 |
| 1197     | 8/10/2011 00:46:19 | 16.10  | 51.60           | 33.96        | 7.32            | 7.82 | 5.9               | 2.53            | 91.4 |
| 1198     | 8/10/2011 01:01:19 | 16.40  | 51.48           | 33.88        | 7.41            | 7.83 | 6.7               | 2.40            | 93.0 |
| 1199     | 8/10/2011 01:16:19 | 16.26  | 51.63           | 33.98        | 7.26            | 7.81 | 5.7               | 2.28            | 90.9 |
| 1200     | 8/10/2011 01:31:19 | 16.08  | 51.57           | 33.94        | 7.20            | 7.80 | 8.4               | 2.14            | 89.7 |
| 1201     | 8/10/2011 01:46:19 | 16.28  | 51.58           | 33.94        | 7.25            | 7.81 | 8.9               | 2.00            | 90.8 |
| 1202     | 8/10/2011 02:01:19 | 16.39  | 51.65           | 34.00        | 7.17            | 7.81 | 7.9               | 1.88            | 90.1 |
| 1203     | 8/10/2011 02:16:19 | 16.37  | 51.65           | 34.00        | 7.13            | 7.80 | 8.9               | 1.75            | 89.5 |
| 1204     | 8/10/2011 02:31:19 | 16.59  | 51.68           | 34.02        | 7.10            | 7.81 | 7.9               | 1.61            | 89.5 |
| 1205     | 8/10/2011 02:46:19 | 16.72  | 51.65           | 34.00        | 7.14            | 7.81 | 6.8               | 1.49            | 90.2 |
| 1206     | 8/10/2011 03:01:19 | 16.95  | 51.69           | 34.04        | 7.25            | 7.82 | 6.8               | 1.39            | 92.1 |
| 1207     | 8/10/2011 03:16:19 | 17.00  | 51.66           | 34.02        | 7.20            | 7.82 | 7.4               | 1.28            | 91.5 |
| 1208     | 8/10/2011 03:31:19 | 17.10  | 51.70           | 34.05        | 7.22            | 7.82 | 14.2              | 1.21            | 92.0 |
| 1209     | 8/10/2011 03:46:19 | 17.32  | 51.64           | 34.01        | 7.31            | 7.83 | 9.6               | 1.17            | 93.4 |
| 1210     | 8/10/2011 04:01:19 | 17.37  | 51.68           | 34.04        | 7.31            | 7.84 | 10.0              | 1.13            | 93.6 |
| 1211     | 8/10/2011 04:16:19 | 17.12  | 51.67           | 34.02        | 7.19            | 7.82 | 9.0               | 1.15            | 91.6 |
| 1212     | 8/10/2011 04:31:19 | 17.65  | 51.74           | 34.08        | 7.70            | 7.87 | 6.1               | 1.16            | 99.1 |
| 1213     | 8/10/2011 04:46:19 | 17.63  | 51.74           | 34.08        | 7.71            | 7.88 | 3.9               | 1.23            | 99.2 |
| 1214     | 8/10/2011 05:01:19 | 17.62  | 51.73           | 34.07        | 7.73            | 7.88 | 5.2               | 1.28            | 99.5 |
| 1215     | 8/10/2011 05:16:19 | 17.61  | 51.71           | 34.06        | 7.70            | 7.88 | 5.1               | 1.34            | 99.0 |
| 1216     | 8/10/2011 05:31:19 | 17.54  | 51.68           | 34.04        | 7.67            | 7.87 | 4.5               | 1.42            | 98.4 |
| 1217     | 8/10/2011 05:46:19 | 17.67  | 51.48           | 33.89        | 7.49            | 7.86 | 7.3               | 1.48            | 96.3 |
| 1218     | 8/10/2011 06:01:19 | 17.61  | 51.41           | 33.84        | 7.48            | 7.86 | 6.0               | 1.55            | 96.1 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 1219     | 8/10/2011 06:16:19 | 17.58  | 51.49  | 33.90        | 7.43    | 7.85 | 6.6               | 1.62            | 95.3  |
| 1220     | 8/10/2011 06:31:19 | 17.50  | 51.43  | 33.86        | 7.40    | 7.85 | 6.9               | 1.70            | 94.9  |
| 1221     | 8/10/2011 06:46:19 | 17.35  | 51.54  | 33.94        | 7.37    | 7.84 | 5.8               | 1.78            | 94.3  |
| 1222     | 8/10/2011 07:01:19 | 17.25  | 51.56  | 33.95        | 7.34    | 7.84 | 5.9               | 1.86            | 93.6  |
| 1223     | 8/10/2011 07:16:19 | 17.16  | 51.56  | 33.94        | 7.34    | 7.84 | 6.1               | 1.95            | 93.5  |
| 1224     | 8/10/2011 07:31:19 | 16.90  | 51.57  | 33.95        | 7.28    | 7.83 | 6.8               | 2.04            | 92.3  |
| 1225     | 8/10/2011 07:46:19 | 16.74  | 51.51  | 33.91        | 7.23    | 7.82 | 7.3               | 2.14            | 91.4  |
| 1226     | 8/10/2011 08:01:19 | 16.57  | 51.62  | 33.98        | 7.16    | 7.82 | 7.4               | 2.22            | 90.2  |
| 1227     | 8/10/2011 08:16:19 | 16.44  | 51.57  | 33.94        | 7.12    | 7.81 | 6.8               | 2.31            | 89.4  |
| 1228     | 8/10/2011 08:31:19 | 16.29  | 51.63  | 33.98        | 7.12    | 7.81 | 9.1               | 2.41            | 89.2  |
| 1229     | 8/10/2011 08:46:19 | 16.18  | 51.39  | 33.81        | 7.13    | 7.81 | 7.0               | 2.48            | 89.1  |
| 1230     | 8/10/2011 09:01:19 | 16.09  | 51.61  | 33.96        | 7.10    | 7.80 | 9.6               | 2.56            | 88.6  |
| 1231     | 8/10/2011 09:16:19 | 15.85  | 51.55  | 33.92        | 7.08    | 7.80 | 7.3               | 2.63            | 87.9  |
| 1232     | 8/10/2011 09:31:19 | 15.66  | 51.55  | 33.91        | 7.10    | 7.80 | 6.8               | 2.70            | 87.8  |
| 1233     | 8/10/2011 09:46:19 | 15.38  | 51.58  | 33.93        | 7.19    | 7.81 | 7.7               | 2.76            | 88.5  |
| 1234     | 8/10/2011 10:01:19 | 15.11  | 51.54  | 33.89        | 7.25    | 7.81 | 6.8               | 2.83            | 88.6  |
| 1235     | 8/10/2011 10:16:19 | 15.01  | 51.56  | 33.91        | 7.28    | 7.81 | 6.7               | 2.89            | 88.9  |
| 1236     | 8/10/2011 10:31:19 | 14.72  | 51.53  | 33.87        | 7.42    | 7.82 | 5.0               | 2.93            | 90.1  |
| 1237     | 8/10/2011 10:46:19 | 14.57  | 51.59  | 33.92        | 7.47    | 7.82 | 4.4               | 2.97            | 90.5  |
| 1238     | 8/10/2011 11:01:19 | 14.43  | 51.55  | 33.88        | 7.56    | 7.83 | 4.2               | 3.01            | 91.2  |
| 1239     | 8/10/2011 11:16:19 | 14.12  | 51.57  | 33.89        | 7.66    | 7.84 | 3.8               | 3.03            | 91.9  |
| 1240     | 8/10/2011 11:31:19 | 14.71  | 51.53  | 33.87        | 7.51    | 7.83 | 3.7               | 3.03            | 91.1  |
| 1241     | 8/10/2011 11:46:19 | 14.23  | 51.31  | 33.70        | 7.55    | 7.83 | 3.8               | 3.02            | 90.7  |
| 1242     | 8/10/2011 12:01:19 | 14.30  | 51.48  | 33.83        | 7.58    | 7.83 | 4.6               | 3.01            | 91.2  |
| 1243     | 8/10/2011 12:16:19 | 14.50  | 51.44  | 33.80        | 7.49    | 7.82 | 4.5               | 2.95            | 90.5  |
| 1244     | 8/10/2011 12:31:19 | 15.07  | 51.58  | 33.92        | 7.49    | 7.82 | 8.2               | 2.88            | 91.6  |
| 1245     | 8/10/2011 12:46:19 | 15.19  | 51.58  | 33.92        | 7.56    | 7.83 | 6.7               | 2.83            | 92.7  |
| 1246     | 8/10/2011 13:01:19 | 15.53  | 51.56  | 33.92        | 7.66    | 7.83 | 7.9               | 2.76            | 94.5  |
| 1247     | 8/10/2011 13:16:19 | 15.92  | 51.57  | 33.93        | 7.83    | 7.84 | 6.2               | 2.69            | 97.4  |
| 1248     | 8/10/2011 13:31:19 | 16.08  | 51.50  | 33.88        | 7.80    | 7.85 | 5.6               | 2.62            | 97.2  |
| 1249     | 8/10/2011 13:46:19 | 16.36  | 51.41  | 33.83        | 7.91    | 7.86 | 6.0               | 2.55            | 99.1  |
| 1250     | 8/10/2011 14:01:19 | 16.58  | 51.60  | 33.97        | 7.87    | 7.85 | 8.7               | 2.50            | 99.2  |
| 1251     | 8/10/2011 14:16:19 | 16.83  | 51.59  | 33.96        | 7.90    | 7.86 | 8.8               | 2.43            | 100.0 |
| 1252     | 8/10/2011 14:31:19 | 17.07  | 51.41  | 33.83        | 8.01    | 7.86 | 7.6               | 2.38            | 101.8 |
| 1253     | 8/10/2011 14:46:19 | 17.22  | 51.43  | 33.85        | 8.05    | 7.87 | 8.3               | 2.33            | 102.5 |
| 1254     | 8/10/2011 15:01:19 | 17.33  | 51.55  | 33.94        | 8.12    | 7.87 | 9.2               | 2.28            | 103.8 |
| 1255     | 8/10/2011 15:16:19 | 17.40  | 51.47  | 33.88        | 8.17    | 7.88 | 6.7               | 2.25            | 104.5 |
| 1256     | 8/10/2011 15:31:19 | 17.49  | 51.39  | 33.83        | 8.38    | 7.89 | 4.0               | 2.21            | 107.3 |
| 1257     | 8/10/2011 15:46:19 | 17.70  | 51.45  | 33.87        | 8.92    | 7.92 | 3.9               | 2.19            | 114.8 |
| 1258     | 8/10/2011 16:01:19 | 17.76  | 51.51  | 33.91        | 8.90    | 7.93 | 3.7               | 2.19            | 114.6 |
| 1259     | 8/10/2011 16:16:19 | 17.72  | 51.58  | 33.96        | 8.87    | 7.92 | 4.6               | 2.20            | 114.2 |
| 1260     | 8/10/2011 16:31:19 | 17.74  | 51.63  | 34.00        | 8.60    | 7.90 | 3.5               | 2.21            | 110.8 |
| 1261     | 8/10/2011 16:46:19 | 17.64  | 51.60  | 33.98        | 8.45    | 7.89 | 5.1               | 2.25            | 108.7 |
| 1262     | 8/10/2011 17:01:19 | 17.78  | 51.63  | 34.00        | 8.52    | 7.90 | 5.0               | 2.30            | 109.9 |
| 1263     | 8/10/2011 17:16:19 | 17.66  | 51.60  | 33.98        | 8.52    | 7.90 | 8.1               | 2.35            | 109.7 |
| 1264     | 8/10/2011 17:31:19 | 17.63  | 51.62  | 33.99        | 8.49    | 7.89 | 10.7              | 2.42            | 109.1 |
| 1265     | 8/10/2011 17:46:19 | 17.61  | 51.52  | 33.92        | 8.44    | 7.89 | 6.2               | 2.49            | 108.4 |
| 1266     | 8/10/2011 18:01:19 | 17.21  | 51.57  | 33.95        | 8.41    | 7.89 | 18.3              | 2.55            | 107.2 |
| 1267     | 8/10/2011 18:16:19 | 16.94  | 51.60  | 33.97        | 8.34    | 7.88 | 25.3              | 2.63            | 105.8 |
| 1268     | 8/10/2011 18:31:19 | 16.46  | 51.42  | 33.83        | 8.07    | 7.86 | 9.9               | 2.70            | 101.4 |
| 1269     | 8/10/2011 18:46:19 | 16.43  | 51.58  | 33.95        | 8.11    | 7.86 | 9.2               | 2.77            | 101.9 |
| 1270     | 8/10/2011 19:01:19 | 15.56  | 51.44  | 33.83        | 7.92    | 7.85 | 7.3               | 2.84            | 97.7  |
| 1271     | 8/10/2011 19:16:19 | 15.31  | 51.54  | 33.90        | 7.87    | 7.84 | 6.8               | 2.92            | 96.7  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1272     | 8/10/2011 19:31:19 | 15.17  | 51.43  | 33.82        | 7.87    | 7.84 | 4.6        | 3.00            | 96.3  |
| 1273     | 8/10/2011 19:46:19 | 14.82  | 51.55  | 33.89        | 7.93    | 7.85 | 5.1        | 3.08            | 96.4  |
| 1274     | 8/10/2011 20:01:19 | 14.26  | 51.58  | 33.90        | 8.03    | 7.85 | 5.9        | 3.16            | 96.6  |
| 1275     | 8/10/2011 20:16:19 | 13.89  | 51.55  | 33.86        | 8.29    | 7.87 | 7.8        | 3.24            | 98.9  |
| 1276     | 8/10/2011 20:31:19 | 13.63  | 51.56  | 33.86        | 8.40    | 7.87 | 6.3        | 3.32            | 99.8  |
| 1277     | 8/10/2011 20:46:19 | 13.37  | 51.53  | 33.83        | 8.52    | 7.91 | 8.2        | 3.40            | 100.6 |
| 1278     | 8/10/2011 21:01:19 | 13.08  | 51.47  | 33.78        | 8.60    | 7.92 | 7.8        | 3.47            | 100.9 |
| 1279     | 8/10/2011 21:16:19 | 12.90  | 51.58  | 33.85        | 8.68    | 7.93 | 16.3       | 3.54            | 101.5 |
| 1280     | 8/10/2011 21:31:19 | 12.78  | 51.55  | 33.82        | 8.72    | 7.93 | 6.3        | 3.59            | 101.7 |
| 1281     | 8/10/2011 21:46:19 | 12.69  | 51.60  | 33.85        | 8.79    | 7.94 | 4.8        | 3.65            | 102.4 |
| 1282     | 8/10/2011 22:01:19 | 12.62  | 51.61  | 33.86        | 8.95    | 7.87 | 4.9        | 3.68            | 104.1 |
| 1283     | 8/10/2011 22:16:19 | 13.43  | 51.58  | 33.87        | 8.64    | 7.87 | 4.1        | 3.68            | 102.1 |
| 1284     | 8/10/2011 22:31:19 | 12.73  | 51.56  | 33.83        | 8.69    | 7.93 | 3.3        | 3.70            | 101.3 |
| 1285     | 8/10/2011 22:46:19 | 12.81  | 51.57  | 33.84        | 8.68    | 7.86 | 4.0        | 3.67            | 101.3 |
| 1286     | 8/10/2011 23:01:19 | 12.72  | 51.58  | 33.84        | 8.84    | 7.94 | 4.0        | 3.61            | 103.0 |
| 1287     | 8/10/2011 23:16:19 | 13.77  | 51.68  | 33.95        | 8.17    | 7.86 | 4.3        | 3.56            | 97.4  |
| 1288     | 8/10/2011 23:31:19 | 14.24  | 51.61  | 33.92        | 7.87    | 7.83 | 7.1        | 3.47            | 94.6  |
| 1289     | 8/10/2011 23:46:19 | 14.47  | 51.53  | 33.87        | 8.14    | 7.86 | 5.4        | 3.38            | 98.4  |
| 1290     | 8/11/2011 00:01:19 | 14.62  | 51.57  | 33.90        | 8.27    | 7.88 | 6.8        | 3.27            | 100.2 |
| 1291     | 8/11/2011 00:16:19 | 14.81  | 51.46  | 33.83        | 8.28    | 7.88 | 6.1        | 3.16            | 100.6 |
| 1292     | 8/11/2011 00:31:19 | 15.03  | 51.51  | 33.87        | 8.18    | 7.87 | 6.0        | 3.05            | 99.9  |
| 1293     | 8/11/2011 00:46:19 | 14.92  | 51.48  | 33.85        | 8.04    | 7.86 | 8.7        | 2.94            | 98.0  |
| 1294     | 8/11/2011 01:01:19 | 15.61  | 51.54  | 33.90        | 7.81    | 7.84 | 6.9        | 2.82            | 96.5  |
| 1295     | 8/11/2011 01:16:19 | 16.13  | 51.48  | 33.87        | 7.67    | 7.84 | 6.2        | 2.71            | 95.8  |
| 1296     | 8/11/2011 01:31:19 | 16.20  | 51.55  | 33.93        | 7.65    | 7.83 | 7.4        | 2.58            | 95.6  |
| 1297     | 8/11/2011 01:46:19 | 16.71  | 51.55  | 33.93        | 7.67    | 7.84 | 8.3        | 2.45            | 96.9  |
| 1298     | 8/11/2011 02:01:19 | 16.65  | 51.56  | 33.94        | 7.63    | 7.84 | 9.0        | 2.32            | 96.2  |
| 1299     | 8/11/2011 02:16:19 | 16.49  | 51.52  | 33.90        | 7.49    | 7.83 | 8.7        | 2.18            | 94.2  |
| 1300     | 8/11/2011 02:31:19 | 16.46  | 51.61  | 33.98        | 7.50    | 7.82 | 8.2        | 2.05            | 94.2  |
| 1301     | 8/11/2011 02:46:19 | 16.55  | 51.62  | 33.98        | 7.50    | 7.83 | 8.4        | 1.91            | 94.4  |
| 1302     | 8/11/2011 03:01:19 | 16.78  | 51.62  | 33.98        | 7.61    | 7.84 | 10.4       | 1.77            | 96.3  |
| 1303     | 8/11/2011 03:16:19 | 17.03  | 51.63  | 34.00        | 7.63    | 7.84 | 11.4       | 1.63            | 97.0  |
| 1304     | 8/11/2011 03:31:19 | 17.35  | 51.66  | 34.02        | 7.73    | 7.86 | 17.8       | 1.51            | 98.8  |
| 1305     | 8/11/2011 03:46:19 | 17.56  | 51.64  | 34.01        | 7.76    | 7.87 | 10.4       | 1.38            | 99.7  |
| 1306     | 8/11/2011 04:01:19 | 17.70  | 51.69  | 34.04        | 7.80    | 7.87 | 8.9        | 1.27            | 100.4 |
| 1307     | 8/11/2011 04:16:19 | 17.96  | 51.69  | 34.05        | 7.85    | 7.88 | 8.6        | 1.20            | 101.5 |
| 1308     | 8/11/2011 04:31:19 | 18.01  | 51.64  | 34.01        | 7.80    | 7.87 | 8.4        | 1.14            | 101.0 |
| 1309     | 8/11/2011 04:46:19 | 18.38  | 51.68  | 34.04        | 7.93    | 7.89 | 7.4        | 1.10            | 103.4 |
| 1310     | 8/11/2011 05:01:19 | 17.88  | 51.61  | 33.99        | 7.79    | 7.88 | 7.3        | 1.09            | 100.7 |
| 1311     | 8/11/2011 05:16:19 | 18.51  | 51.73  | 34.08        | 8.11    | 7.91 | 5.2        | 1.12            | 106.0 |
| 1312     | 8/11/2011 05:31:19 | 18.55  | 51.61  | 34.00        | 8.28    | 7.92 | 6.7        | 1.18            | 108.3 |
| 1313     | 8/11/2011 05:46:19 | 18.48  | 51.72  | 34.07        | 8.24    | 7.92 | 4.1        | 1.24            | 107.7 |
| 1314     | 8/11/2011 06:01:19 | 18.50  | 51.74  | 34.09        | 8.34    | 7.92 | 4.8        | 1.31            | 109.1 |
| 1315     | 8/11/2011 06:16:19 | 18.42  | 51.70  | 34.06        | 8.28    | 7.92 | 5.5        | 1.38            | 108.1 |
| 1316     | 8/11/2011 06:31:19 | 18.57  | 51.59  | 33.98        | 8.06    | 7.90 | 7.4        | 1.46            | 105.5 |
| 1317     | 8/11/2011 06:46:19 | 18.48  | 51.56  | 33.96        | 8.01    | 7.90 | 5.7        | 1.53            | 104.6 |
| 1318     | 8/11/2011 07:01:19 | 18.44  | 51.44  | 33.86        | 7.92    | 7.89 | 6.4        | 1.61            | 103.4 |
| 1319     | 8/11/2011 07:16:19 | 18.33  | 51.50  | 33.91        | 7.92    | 7.89 | 8.9        | 1.68            | 103.2 |
| 1320     | 8/11/2011 07:31:19 | 18.06  | 51.54  | 33.94        | 7.90    | 7.89 | 6.3        | 1.77            | 102.4 |
| 1321     | 8/11/2011 07:46:19 | 17.91  | 51.60  | 33.98        | 7.84    | 7.88 | 6.3        | 1.88            | 101.3 |
| 1322     | 8/11/2011 08:01:19 | 17.78  | 51.60  | 33.98        | 7.81    | 7.88 | 5.8        | 1.95            | 100.7 |
| 1323     | 8/11/2011 08:16:19 | 17.49  | 51.55  | 33.94        | 7.70    | 7.86 | 5.7        | 2.04            | 98.7  |
| 1324     | 8/11/2011 08:31:19 | 17.25  | 51.55  | 33.94        | 7.64    | 7.85 | 6.4        | 2.15            | 97.5  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1325     | 8/11/2011 08:46:19 | 17.04  | 51.60           | 33.98        | 7.55            | 7.84 | 6.0               | 2.25            | 95.9  |
| 1326     | 8/11/2011 09:01:19 | 16.95  | 51.58           | 33.96        | 7.51            | 7.84 | 6.3               | 2.34            | 95.2  |
| 1327     | 8/11/2011 09:16:19 | 16.80  | 51.52           | 33.91        | 7.49            | 7.84 | 5.9               | 2.43            | 94.7  |
| 1328     | 8/11/2011 09:31:19 | 16.62  | 51.55           | 33.93        | 7.48            | 7.83 | 6.0               | 2.52            | 94.3  |
| 1329     | 8/11/2011 09:46:19 | 16.43  | 51.53           | 33.91        | 7.45            | 7.83 | 6.3               | 2.61            | 93.6  |
| 1330     | 8/11/2011 10:01:19 | 16.18  | 51.53           | 33.91        | 7.42            | 7.83 | 6.1               | 2.68            | 92.7  |
| 1331     | 8/11/2011 10:16:19 | 15.83  | 51.53           | 33.90        | 7.47            | 7.83 | 6.5               | 2.76            | 92.6  |
| 1332     | 8/11/2011 10:31:19 | 15.51  | 51.36           | 33.77        | 7.56            | 7.83 | 6.6               | 2.83            | 93.1  |
| 1333     | 8/11/2011 10:46:19 | 15.28  | 51.55           | 33.90        | 7.61            | 7.83 | 6.7               | 2.91            | 93.4  |
| 1334     | 8/11/2011 11:01:19 | 14.96  | 51.52           | 33.88        | 7.75            | 7.84 | 6.2               | 2.96            | 94.5  |
| 1335     | 8/11/2011 11:16:19 | 14.66  | 51.50           | 33.85        | 8.02            | 7.86 | 5.5               | 3.02            | 97.3  |
| 1336     | 8/11/2011 11:31:19 | 14.46  | 51.31           | 33.71        | 8.15            | 7.87 | 13.4              | 3.07            | 98.3  |
|          | Mean               | 16.53  | 51.54           | 33.91        | 7.82            | 7.90 | 6.3               | 2.52            | 98.3  |
|          | Minimum            | 11.88  | 51.03           | 33.45        | 6.45            | 7.76 | 1.8               | 0.96            | 81.6  |
|          | Maximum            | 20.00  | 51.88           | 34.19        | 10.14           | 8.11 | 25.3              | 3.84            | 131.2 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 0        | 8/11/2011 12:01:18 | 14.26  | 49.91  | 32.68        | 8.15    | 7.91 | 4.0        | 3.23            | 97.3  |
| 1        | 8/11/2011 12:16:18 | 14.52  | 49.89  | 32.67        | 7.87    | 7.86 | 4.8        | 3.22            | 94.5  |
| 2        | 8/11/2011 12:31:18 | 14.40  | 49.87  | 32.65        | 7.82    | 8.02 | 3.6        | 3.21            | 93.6  |
| 3        | 8/11/2011 12:46:18 | 14.30  | 49.87  | 32.65        | 7.95    | 7.87 | 3.9        | 3.18            | 94.9  |
| 4        | 8/11/2011 13:01:18 | 14.40  | 49.85  | 32.64        | 7.89    | 7.87 | 5.0        | 3.12            | 94.4  |
| 5        | 8/11/2011 13:16:18 | 14.70  | 49.83  | 32.63        | 7.91    | 7.87 | 5.9        | 3.05            | 95.2  |
| 6        | 8/11/2011 13:31:18 | 15.15  | 49.83  | 32.64        | 7.92    | 7.87 | 6.0        | 2.99            | 96.3  |
| 7        | 8/11/2011 13:46:18 | 15.89  | 49.82  | 32.65        | 8.07    | 7.89 | 5.9        | 2.91            | 99.5  |
| 8        | 8/11/2011 14:01:18 | 16.31  | 49.80  | 32.64        | 8.28    | 7.90 | 5.5        | 2.83            | 102.9 |
| 9        | 8/11/2011 14:16:18 | 16.51  | 49.79  | 32.64        | 8.21    | 7.91 | 5.6        | 2.75            | 102.5 |
| 10       | 8/11/2011 14:31:18 | 16.77  | 49.77  | 32.63        | 8.26    | 7.91 | 5.7        | 2.68            | 103.6 |
| 11       | 8/11/2011 14:46:18 | 17.05  | 49.79  | 32.65        | 8.30    | 8.10 | 5.3        | 2.60            | 104.6 |
| 12       | 8/11/2011 15:01:18 | 17.22  | 49.80  | 32.65        | 8.74    | 7.95 | 5.2        | 2.53            | 110.5 |
| 13       | 8/11/2011 15:16:18 | 17.48  | 49.83  | 32.68        | 8.54    | 7.93 | 5.2        | 2.47            | 108.6 |
| 14       | 8/11/2011 15:31:18 | 17.57  | 49.75  | 32.62        | 8.71    | 8.12 | 5.2        | 2.41            | 110.9 |
| 15       | 8/11/2011 15:46:18 | 17.68  | 49.82  | 32.67        | 9.05    | 7.97 | 4.6        | 2.35            | 115.6 |
| 16       | 8/11/2011 16:01:18 | 17.78  | 49.83  | 32.68        | 9.05    | 7.97 | 4.3        | 2.30            | 115.8 |
| 17       | 8/11/2011 16:16:18 | 17.96  | 49.80  | 32.66        | 9.43    | 8.00 | 4.5        | 2.25            | 121.0 |
| 18       | 8/11/2011 16:31:18 | 17.97  | 49.83  | 32.68        | 9.68    | 8.01 | 3.8        | 2.23            | 124.3 |
| 19       | 8/11/2011 16:46:18 | 18.40  | 49.80  | 32.66        | 9.75    | 8.18 | 3.4        | 2.20            | 126.2 |
| 20       | 8/11/2011 17:01:18 | 18.15  | 49.81  | 32.67        | 10.03   | 8.03 | 4.6        | 2.22            | 129.1 |
| 21       | 8/11/2011 17:16:18 | 18.34  | 49.80  | 32.66        | 9.63    | 8.01 | 3.2        | 2.22            | 124.5 |
| 22       | 8/11/2011 17:31:18 | 18.27  | 49.84  | 32.69        | 9.32    | 8.16 | 3.2        | 2.26            | 120.3 |
| 23       | 8/11/2011 17:46:18 | 18.22  | 49.84  | 32.69        | 8.99    | 7.96 | 4.0        | 2.31            | 116.0 |
| 24       | 8/11/2011 18:01:18 | 18.19  | 49.83  | 32.69        | 8.77    | 7.95 | 3.4        | 2.34            | 113.1 |
| 25       | 8/11/2011 18:16:18 | 18.01  | 49.83  | 32.68        | 8.67    | 7.94 | 3.9        | 2.42            | 111.4 |
| 26       | 8/11/2011 18:31:18 | 18.18  | 49.79  | 32.65        | 8.74    | 7.94 | 6.0        | 2.49            | 112.7 |
| 27       | 8/11/2011 18:46:18 | 17.76  | 49.79  | 32.65        | 8.66    | 8.11 | 5.1        | 2.56            | 110.7 |
| 28       | 8/11/2011 19:01:18 | 17.57  | 49.79  | 32.65        | 8.63    | 7.93 | 4.6        | 2.63            | 110.0 |
| 29       | 8/11/2011 19:16:18 | 17.30  | 49.78  | 32.64        | 8.54    | 7.92 | 4.5        | 2.71            | 108.2 |
| 30       | 8/11/2011 19:31:18 | 16.89  | 49.77  | 32.63        | 8.28    | 7.90 | 4.6        | 2.79            | 104.1 |
| 31       | 8/11/2011 19:46:18 | 16.25  | 49.76  | 32.61        | 7.93    | 7.87 | 4.8        | 2.86            | 98.4  |
| 32       | 8/11/2011 20:01:18 | 15.97  | 49.76  | 32.61        | 7.86    | 7.87 | 5.1        | 2.94            | 97.1  |
| 33       | 8/11/2011 20:16:18 | 15.76  | 49.76  | 32.61        | 7.88    | 7.87 | 5.5        | 3.02            | 96.9  |
| 34       | 8/11/2011 20:31:18 | 15.50  | 49.73  | 32.58        | 7.88    | 8.06 | 5.7        | 3.10            | 96.4  |
| 35       | 8/11/2011 20:46:18 | 15.01  | 49.73  | 32.57        | 7.93    | 8.07 | 7.1        | 3.19            | 96.0  |
| 36       | 8/11/2011 21:01:18 | 14.57  | 49.76  | 32.58        | 8.00    | 7.88 | 7.0        | 3.27            | 96.1  |
| 37       | 8/11/2011 21:16:18 | 14.18  | 49.80  | 32.60        | 8.20    | 7.89 | 8.1        | 3.36            | 97.7  |
| 38       | 8/11/2011 21:31:18 | 13.73  | 49.83  | 32.60        | 8.40    | 7.91 | 7.2        | 3.44            | 99.1  |
| 39       | 8/11/2011 21:46:18 | 13.49  | 49.87  | 32.62        | 8.46    | 7.91 | 6.8        | 3.53            | 99.4  |
| 40       | 8/11/2011 22:01:18 | 13.24  | 49.87  | 32.61        | 8.62    | 7.93 | 6.2        | 3.60            | 100.7 |
| 41       | 8/11/2011 22:16:18 | 13.06  | 49.86  | 32.60        | 8.72    | 7.94 | 5.4        | 3.66            | 101.6 |
| 42       | 8/11/2011 22:31:18 | 12.92  | 49.90  | 32.62        | 8.94    | 7.95 | 4.3        | 3.71            | 103.8 |
| 43       | 8/11/2011 22:46:18 | 12.75  | 49.92  | 32.63        | 9.27    | 7.97 | 4.0        | 3.76            | 107.2 |
| 44       | 8/11/2011 23:01:18 | 12.70  | 49.92  | 32.63        | 9.36    | 7.98 | 2.9        | 3.78            | 108.2 |
| 45       | 8/11/2011 23:16:18 | 13.02  | 49.88  | 32.61        | 8.97    | 7.95 | 3.7        | 3.78            | 104.4 |
| 46       | 8/11/2011 23:31:19 | 13.01  | 49.88  | 32.61        | 8.84    | 8.05 | 3.6        | 3.77            | 102.8 |
| 47       | 8/11/2011 23:46:18 | 12.88  | 49.87  | 32.60        | 8.82    | 7.96 | 3.6        | 3.74            | 102.3 |
| 48       | 8/12/2011 00:01:18 | 13.46  | 49.85  | 32.61        | 8.39    | 7.93 | 4.8        | 3.67            | 98.5  |
| 49       | 8/12/2011 00:16:18 | 14.51  | 49.84  | 32.63        | 7.48    | 7.87 | 5.6        | 3.58            | 89.7  |
| 50       | 8/12/2011 00:31:18 | 14.19  | 49.84  | 32.62        | 7.86    | 7.90 | 6.6        | 3.49            | 93.6  |
| 51       | 8/12/2011 00:46:18 | 14.65  | 49.82  | 32.62        | 7.97    | 7.91 | 8.1        | 3.38            | 95.9  |
| 52       | 8/12/2011 01:01:18 | 14.85  | 49.80  | 32.62        | 7.85    | 7.90 | 7.1        | 3.28            | 94.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 53       | 8/12/2011 01:16:18 | 14.76  | 49.79  | 32.60        | 7.84    | 7.90 | 6.8        | 3.15            | 94.5  |
| 54       | 8/12/2011 01:31:18 | 15.28  | 49.75  | 32.59        | 7.70    | 7.89 | 7.0        | 3.04            | 93.7  |
| 55       | 8/12/2011 01:46:18 | 15.68  | 49.79  | 32.62        | 7.51    | 7.88 | 7.3        | 2.92            | 92.2  |
| 56       | 8/12/2011 02:01:18 | 16.29  | 49.83  | 32.66        | 7.53    | 7.88 | 8.1        | 2.80            | 93.6  |
| 57       | 8/12/2011 02:16:18 | 16.48  | 49.81  | 32.65        | 7.49    | 7.88 | 7.3        | 2.68            | 93.4  |
| 58       | 8/12/2011 02:31:18 | 16.85  | 49.77  | 32.63        | 7.51    | 7.89 | 6.9        | 2.54            | 94.4  |
| 59       | 8/12/2011 02:46:18 | 16.67  | 49.81  | 32.66        | 7.41    | 7.87 | 7.9        | 2.41            | 92.8  |
| 60       | 8/12/2011 03:01:18 | 16.75  | 49.80  | 32.65        | 7.42    | 7.88 | 9.0        | 2.28            | 93.0  |
| 61       | 8/12/2011 03:16:18 | 16.55  | 49.82  | 32.66        | 7.31    | 7.86 | 8.7        | 2.13            | 91.3  |
| 62       | 8/12/2011 03:31:18 | 16.65  | 49.80  | 32.64        | 7.32    | 7.87 | 9.4        | 1.98            | 91.6  |
| 63       | 8/12/2011 03:46:18 | 16.86  | 49.81  | 32.66        | 7.28    | 7.87 | 8.2        | 1.87            | 91.5  |
| 64       | 8/12/2011 04:01:18 | 17.06  | 49.85  | 32.69        | 7.30    | 7.87 | 7.4        | 1.72            | 92.1  |
| 65       | 8/12/2011 04:16:18 | 17.30  | 49.82  | 32.67        | 7.31    | 7.88 | 7.5        | 1.57            | 92.7  |
| 66       | 8/12/2011 04:31:18 | 17.49  | 49.84  | 32.69        | 7.40    | 7.88 | 6.6        | 1.46            | 94.1  |
| 67       | 8/12/2011 04:46:18 | 17.69  | 49.83  | 32.68        | 7.36    | 7.88 | 6.5        | 1.36            | 93.9  |
| 68       | 8/12/2011 05:01:18 | 17.85  | 49.85  | 32.70        | 7.55    | 7.89 | 6.5        | 1.26            | 96.7  |
| 69       | 8/12/2011 05:16:18 | 18.05  | 49.83  | 32.68        | 7.54    | 7.89 | 6.2        | 1.21            | 97.0  |
| 70       | 8/12/2011 05:31:18 | 18.31  | 49.89  | 32.73        | 7.79    | 7.90 | 6.2        | 1.18            | 100.7 |
| 71       | 8/12/2011 05:46:18 | 17.76  | 49.89  | 32.73        | 7.36    | 7.86 | 6.3        | 1.18            | 94.2  |
| 72       | 8/12/2011 06:01:18 | 18.83  | 49.91  | 32.74        | 8.09    | 7.95 | 4.6        | 1.22            | 105.6 |
| 73       | 8/12/2011 06:16:18 | 18.76  | 49.91  | 32.74        | 8.09    | 7.94 | 4.4        | 1.27            | 105.5 |
| 74       | 8/12/2011 06:31:18 | 18.72  | 49.87  | 32.71        | 8.13    | 7.94 | 5.2        | 1.34            | 105.9 |
| 75       | 8/12/2011 06:46:18 | 18.73  | 49.86  | 32.70        | 8.18    | 7.94 | 5.2        | 1.42            | 106.6 |
| 76       | 8/12/2011 07:01:18 | 18.64  | 49.83  | 32.68        | 8.12    | 7.93 | 5.6        | 1.48            | 105.6 |
| 77       | 8/12/2011 07:16:18 | 18.76  | 49.55  | 32.48        | 7.84    | 7.91 | 9.1        | 1.57            | 102.1 |
| 78       | 8/12/2011 07:31:18 | 18.72  | 49.54  | 32.47        | 7.75    | 7.91 | 9.2        | 1.65            | 100.9 |
| 79       | 8/12/2011 07:46:18 | 18.52  | 49.61  | 32.52        | 7.79    | 7.90 | 7.8        | 1.74            | 101.0 |
| 80       | 8/12/2011 08:01:18 | 18.30  | 49.67  | 32.56        | 7.81    | 7.90 | 6.3        | 1.81            | 100.9 |
| 81       | 8/12/2011 08:16:18 | 18.11  | 49.67  | 32.56        | 7.77    | 7.89 | 6.2        | 1.91            | 99.9  |
| 82       | 8/12/2011 08:31:18 | 17.99  | 49.66  | 32.56        | 7.73    | 8.06 | 6.5        | 2.01            | 99.2  |
| 83       | 8/12/2011 08:46:18 | 17.78  | 49.69  | 32.58        | 7.72    | 7.88 | 6.2        | 2.10            | 98.7  |
| 84       | 8/12/2011 09:01:18 | 17.50  | 49.66  | 32.55        | 7.61    | 7.86 | 6.4        | 2.20            | 96.7  |
| 85       | 8/12/2011 09:16:18 | 17.31  | 49.67  | 32.56        | 7.56    | 7.86 | 6.7        | 2.30            | 95.7  |
| 86       | 8/12/2011 09:31:18 | 17.10  | 49.63  | 32.53        | 7.48    | 7.84 | 7.3        | 2.42            | 94.4  |
| 87       | 8/12/2011 09:46:18 | 16.95  | 49.66  | 32.55        | 7.41    | 8.02 | 8.2        | 2.50            | 93.2  |
| 88       | 8/12/2011 10:01:18 | 16.71  | 49.64  | 32.53        | 7.43    | 7.84 | 7.8        | 2.59            | 93.0  |
| 89       | 8/12/2011 10:16:18 | 16.49  | 49.62  | 32.51        | 7.42    | 7.83 | 7.7        | 2.70            | 92.5  |
| 90       | 8/12/2011 10:31:18 | 16.36  | 49.62  | 32.51        | 7.41    | 7.83 | 7.4        | 2.78            | 92.1  |
| 91       | 8/12/2011 10:46:18 | 15.98  | 49.59  | 32.48        | 7.47    | 7.83 | 8.4        | 2.85            | 92.2  |
| 92       | 8/12/2011 11:01:18 | 15.75  | 49.60  | 32.48        | 7.51    | 7.84 | 8.1        | 2.94            | 92.3  |
| 93       | 8/12/2011 11:16:18 | 15.19  | 49.61  | 32.48        | 7.69    | 7.85 | 7.8        | 3.01            | 93.4  |
| 94       | 8/12/2011 11:31:18 | 14.65  | 49.59  | 32.46        | 7.88    | 8.05 | 7.4        | 3.08            | 94.7  |
| 95       | 8/12/2011 11:46:18 | 14.40  | 49.54  | 32.41        | 8.06    | 8.07 | 6.2        | 3.14            | 96.3  |
| 96       | 8/12/2011 12:01:18 | 14.17  | 49.61  | 32.46        | 8.19    | 7.89 | 5.9        | 3.20            | 97.5  |
| 97       | 8/12/2011 12:16:18 | 14.04  | 49.61  | 32.45        | 8.27    | 7.90 | 5.1        | 3.25            | 98.1  |
| 98       | 8/12/2011 12:31:18 | 13.98  | 49.61  | 32.45        | 8.33    | 7.90 | 5.0        | 3.29            | 98.7  |
| 99       | 8/12/2011 12:46:18 | 13.87  | 49.70  | 32.51        | 8.29    | 7.90 | 4.4        | 3.30            | 98.1  |
| 100      | 8/12/2011 13:01:18 | 14.10  | 49.63  | 32.47        | 7.97    | 8.08 | 4.0        | 3.30            | 94.7  |
| 101      | 8/12/2011 13:16:18 | 14.10  | 49.63  | 32.46        | 8.08    | 7.89 | 4.2        | 3.28            | 96.0  |
| 102      | 8/12/2011 13:31:18 | 13.98  | 49.63  | 32.46        | 8.13    | 7.89 | 4.8        | 3.24            | 96.4  |
| 103      | 8/12/2011 13:46:18 | 14.24  | 49.61  | 32.46        | 8.16    | 8.09 | 6.2        | 3.17            | 97.3  |
| 104      | 8/12/2011 14:01:18 | 15.07  | 49.54  | 32.43        | 8.23    | 7.90 | 6.5        | 3.08            | 99.7  |
| 105      | 8/12/2011 14:16:18 | 15.64  | 49.59  | 32.47        | 8.42    | 7.91 | 6.8        | 3.00            | 103.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 106      | 8/12/2011 14:31:18 | 15.90  | 49.60  | 32.49        | 8.34    | 8.09 | 6.3        | 2.92            | 102.8 |
| 107      | 8/12/2011 14:46:18 | 16.26  | 49.64  | 32.53        | 8.26    | 8.09 | 7.1        | 2.83            | 102.5 |
| 108      | 8/12/2011 15:01:18 | 16.58  | 49.65  | 32.53        | 8.44    | 7.91 | 6.4        | 2.74            | 105.4 |
| 109      | 8/12/2011 15:16:18 | 16.75  | 49.66  | 32.54        | 8.90    | 7.94 | 5.6        | 2.66            | 111.5 |
| 110      | 8/12/2011 15:31:18 | 16.81  | 49.67  | 32.55        | 9.24    | 7.97 | 5.8        | 2.59            | 116.0 |
| 111      | 8/12/2011 15:46:18 | 17.09  | 49.63  | 32.52        | 9.23    | 7.96 | 5.6        | 2.50            | 116.4 |
| 112      | 8/12/2011 16:01:18 | 17.17  | 49.61  | 32.51        | 9.57    | 7.98 | 5.0        | 2.43            | 120.9 |
| 113      | 8/12/2011 16:16:18 | 17.42  | 49.68  | 32.57        | 9.31    | 7.98 | 5.1        | 2.37            | 118.2 |
| 114      | 8/12/2011 16:31:18 | 17.47  | 49.69  | 32.57        | 9.54    | 8.00 | 4.9        | 2.30            | 121.3 |
| 115      | 8/12/2011 16:46:18 | 17.69  | 49.69  | 32.58        | 9.65    | 8.00 | 4.5        | 2.25            | 123.1 |
| 116      | 8/12/2011 17:01:18 | 17.85  | 49.68  | 32.57        | 9.63    | 8.01 | 4.2        | 2.19            | 123.3 |
| 117      | 8/12/2011 17:16:18 | 18.16  | 49.70  | 32.59        | 9.56    | 8.01 | 3.7        | 2.16            | 123.1 |
| 118      | 8/12/2011 17:31:18 | 18.24  | 49.71  | 32.60        | 9.09    | 7.98 | 3.2        | 2.14            | 117.3 |
| 119      | 8/12/2011 17:46:18 | 18.33  | 49.69  | 32.58        | 8.91    | 7.97 | 3.1        | 2.13            | 115.1 |
| 120      | 8/12/2011 18:01:18 | 18.29  | 49.70  | 32.59        | 9.35    | 7.98 | 3.3        | 2.13            | 120.8 |
| 121      | 8/12/2011 18:16:18 | 18.34  | 49.71  | 32.59        | 9.30    | 7.98 | 3.5        | 2.17            | 120.2 |
| 122      | 8/12/2011 18:31:18 | 18.26  | 49.72  | 32.60        | 9.18    | 7.97 | 4.4        | 2.22            | 118.4 |
| 123      | 8/12/2011 18:46:18 | 18.29  | 49.73  | 32.61        | 8.76    | 7.94 | 3.4        | 2.26            | 113.2 |
| 124      | 8/12/2011 19:01:18 | 18.14  | 49.72  | 32.60        | 8.60    | 7.92 | 4.3        | 2.33            | 110.7 |
| 125      | 8/12/2011 19:16:18 | 18.09  | 49.66  | 32.56        | 8.55    | 7.93 | 5.7        | 2.41            | 109.9 |
| 126      | 8/12/2011 19:31:18 | 18.00  | 49.66  | 32.56        | 8.53    | 7.92 | 4.8        | 2.48            | 109.5 |
| 127      | 8/12/2011 19:46:18 | 17.62  | 49.67  | 32.56        | 8.48    | 7.91 | 4.9        | 2.57            | 108.0 |
| 128      | 8/12/2011 20:01:18 | 17.35  | 49.65  | 32.54        | 8.37    | 7.90 | 4.4        | 2.64            | 106.1 |
| 129      | 8/12/2011 20:16:18 | 17.03  | 49.64  | 32.53        | 8.21    | 7.89 | 4.2        | 2.72            | 103.4 |
| 130      | 8/12/2011 20:31:18 | 16.34  | 49.64  | 32.52        | 7.95    | 7.86 | 5.4        | 2.80            | 98.8  |
| 131      | 8/12/2011 20:46:18 | 16.10  | 49.61  | 32.50        | 7.89    | 7.86 | 5.6        | 2.88            | 97.5  |
| 132      | 8/12/2011 21:01:18 | 15.83  | 49.55  | 32.45        | 7.84    | 8.05 | 5.2        | 2.97            | 96.4  |
| 133      | 8/12/2011 21:16:18 | 15.57  | 49.62  | 32.50        | 7.83    | 8.05 | 5.4        | 3.05            | 95.9  |
| 134      | 8/12/2011 21:31:18 | 15.09  | 49.64  | 32.50        | 7.85    | 7.85 | 5.4        | 3.13            | 95.2  |
| 135      | 8/12/2011 21:46:18 | 14.70  | 49.62  | 32.48        | 7.90    | 7.86 | 7.3        | 3.22            | 95.1  |
| 136      | 8/12/2011 22:01:18 | 14.30  | 49.54  | 32.41        | 8.11    | 8.07 | 7.4        | 3.31            | 96.7  |
| 137      | 8/12/2011 22:16:18 | 13.69  | 49.69  | 32.50        | 8.34    | 7.90 | 7.9        | 3.39            | 98.4  |
| 138      | 8/12/2011 22:31:18 | 13.38  | 49.72  | 32.51        | 8.48    | 7.91 | 6.3        | 3.48            | 99.3  |
| 139      | 8/12/2011 22:46:18 | 13.16  | 49.72  | 32.50        | 8.67    | 8.11 | 6.0        | 3.56            | 101.1 |
| 140      | 8/12/2011 23:01:18 | 12.79  | 49.81  | 32.56        | 8.87    | 8.13 | 4.7        | 3.63            | 102.6 |
| 141      | 8/12/2011 23:16:18 | 12.65  | 49.88  | 32.60        | 8.98    | 7.95 | 4.6        | 3.68            | 103.7 |
| 142      | 8/12/2011 23:31:18 | 12.60  | 49.83  | 32.56        | 9.15    | 7.97 | 4.0        | 3.73            | 105.5 |
| 143      | 8/12/2011 23:46:18 | 12.53  | 49.84  | 32.56        | 9.30    | 7.98 | 3.8        | 3.77            | 107.1 |
| 144      | 8/13/2011 00:01:18 | 12.52  | 49.83  | 32.56        | 8.95    | 7.94 | 2.7        | 3.77            | 103.1 |
| 145      | 8/13/2011 00:16:18 | 12.59  | 49.84  | 32.57        | 8.93    | 7.95 | 2.7        | 3.75            | 103.0 |
| 146      | 8/13/2011 00:31:18 | 12.62  | 49.86  | 32.58        | 9.10    | 7.97 | 3.8        | 3.72            | 105.0 |
| 147      | 8/13/2011 00:46:18 | 12.66  | 49.78  | 32.53        | 9.08    | 7.96 | 3.7        | 3.68            | 104.8 |
| 148      | 8/13/2011 01:01:18 | 13.66  | 49.69  | 32.50        | 8.29    | 7.90 | 5.8        | 3.59            | 97.6  |
| 149      | 8/13/2011 01:16:18 | 13.49  | 49.72  | 32.51        | 7.98    | 7.90 | 7.2        | 3.48            | 93.6  |
| 150      | 8/13/2011 01:31:18 | 14.38  | 49.72  | 32.54        | 7.91    | 7.90 | 9.5        | 3.39            | 94.6  |
| 151      | 8/13/2011 01:46:18 | 14.52  | 49.68  | 32.52        | 7.89    | 8.09 | 8.4        | 3.28            | 94.6  |
| 152      | 8/13/2011 02:01:18 | 14.93  | 49.64  | 32.50        | 7.75    | 8.08 | 7.5        | 3.17            | 93.6  |
| 153      | 8/13/2011 02:16:18 | 14.89  | 49.65  | 32.50        | 7.71    | 8.07 | 7.6        | 3.03            | 93.1  |
| 154      | 8/13/2011 02:31:18 | 15.34  | 49.68  | 32.54        | 7.51    | 7.87 | 7.8        | 2.91            | 91.5  |
| 155      | 8/13/2011 02:46:18 | 15.89  | 49.59  | 32.48        | 7.32    | 8.05 | 7.6        | 2.81            | 90.2  |
| 156      | 8/13/2011 03:01:18 | 16.44  | 49.64  | 32.53        | 7.31    | 7.87 | 7.9        | 2.67            | 91.0  |
| 157      | 8/13/2011 03:16:18 | 16.42  | 49.68  | 32.56        | 7.37    | 7.86 | 8.4        | 2.53            | 91.8  |
| 158      | 8/13/2011 03:31:18 | 16.58  | 49.71  | 32.58        | 7.39    | 7.86 | 8.2        | 2.40            | 92.3  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 159      | 8/13/2011 03:46:18 | 16.34  | 49.68  | 32.56        | 7.42    | 7.85 | 7.3        | 2.27            | 92.3  |
| 160      | 8/13/2011 04:01:18 | 16.44  | 49.68  | 32.56        | 7.44    | 7.86 | 9.6        | 2.14            | 92.7  |
| 161      | 8/13/2011 04:16:18 | 16.49  | 49.69  | 32.56        | 7.30    | 7.85 | 9.2        | 1.99            | 91.0  |
| 162      | 8/13/2011 04:31:18 | 16.62  | 49.74  | 32.60        | 7.29    | 7.85 | 8.6        | 1.85            | 91.2  |
| 163      | 8/13/2011 04:46:18 | 16.87  | 49.71  | 32.59        | 7.27    | 8.03 | 7.9        | 1.72            | 91.3  |
| 164      | 8/13/2011 05:01:18 | 17.08  | 49.73  | 32.60        | 7.31    | 8.04 | 7.3        | 1.59            | 92.2  |
| 165      | 8/13/2011 05:16:18 | 17.30  | 49.73  | 32.60        | 7.38    | 8.04 | 7.0        | 1.46            | 93.5  |
| 166      | 8/13/2011 05:31:18 | 17.68  | 49.76  | 32.63        | 7.44    | 7.88 | 7.3        | 1.36            | 95.0  |
| 167      | 8/13/2011 05:46:18 | 17.69  | 49.78  | 32.64        | 7.33    | 7.86 | 6.2        | 1.29            | 93.5  |
| 168      | 8/13/2011 06:01:18 | 17.86  | 49.80  | 32.66        | 7.32    | 7.87 | 6.0        | 1.24            | 93.8  |
| 169      | 8/13/2011 06:16:18 | 17.93  | 49.78  | 32.65        | 7.09    | 7.85 | 6.3        | 1.21            | 90.9  |
| 170      | 8/13/2011 06:31:18 | 17.80  | 49.78  | 32.64        | 7.36    | 7.87 | 4.9        | 1.23            | 94.2  |
| 171      | 8/13/2011 06:46:18 | 17.96  | 49.83  | 32.68        | 7.52    | 7.89 | 4.2        | 1.26            | 96.6  |
| 172      | 8/13/2011 07:01:18 | 17.98  | 49.79  | 32.65        | 7.53    | 7.89 | 4.3        | 1.32            | 96.6  |
| 173      | 8/13/2011 07:16:18 | 18.25  | 49.86  | 32.70        | 7.66    | 7.91 | 5.8        | 1.41            | 98.9  |
| 174      | 8/13/2011 07:31:18 | 18.40  | 49.85  | 32.70        | 7.76    | 7.92 | 5.0        | 1.49            | 100.4 |
| 175      | 8/13/2011 07:46:18 | 18.31  | 49.82  | 32.67        | 7.66    | 7.91 | 5.6        | 1.56            | 98.9  |
| 176      | 8/13/2011 08:01:18 | 18.26  | 49.60  | 32.51        | 7.38    | 7.88 | 8.3        | 1.65            | 95.1  |
| 177      | 8/13/2011 08:16:18 | 18.19  | 49.56  | 32.48        | 7.33    | 7.88 | 8.2        | 1.74            | 94.4  |
| 178      | 8/13/2011 08:31:18 | 17.99  | 49.66  | 32.56        | 7.43    | 7.88 | 6.4        | 1.83            | 95.3  |
| 179      | 8/13/2011 08:46:18 | 17.83  | 49.68  | 32.57        | 7.40    | 7.87 | 6.2        | 1.92            | 94.7  |
| 180      | 8/13/2011 09:01:18 | 17.71  | 49.70  | 32.59        | 7.36    | 7.87 | 6.0        | 2.02            | 94.0  |
| 181      | 8/13/2011 09:16:18 | 17.57  | 49.69  | 32.58        | 7.32    | 7.86 | 7.1        | 2.12            | 93.2  |
| 182      | 8/13/2011 09:31:18 | 17.22  | 49.69  | 32.57        | 7.32    | 7.85 | 6.7        | 2.22            | 92.5  |
| 183      | 8/13/2011 09:46:18 | 17.01  | 49.69  | 32.57        | 7.31    | 7.85 | 6.8        | 2.33            | 92.0  |
| 184      | 8/13/2011 10:01:18 | 16.84  | 49.69  | 32.57        | 7.31    | 7.84 | 6.9        | 2.42            | 91.8  |
| 185      | 8/13/2011 10:16:18 | 16.65  | 49.67  | 32.55        | 7.30    | 7.84 | 7.6        | 2.52            | 91.3  |
| 186      | 8/13/2011 10:31:18 | 16.44  | 49.65  | 32.53        | 7.35    | 7.84 | 7.6        | 2.62            | 91.5  |
| 187      | 8/13/2011 10:46:18 | 16.28  | 49.63  | 32.51        | 7.37    | 7.84 | 7.9        | 2.71            | 91.5  |
| 188      | 8/13/2011 11:01:18 | 16.11  | 49.60  | 32.49        | 7.39    | 7.84 | 8.2        | 2.79            | 91.4  |
| 189      | 8/13/2011 11:16:18 | 15.69  | 49.59  | 32.47        | 7.51    | 7.85 | 10.3       | 2.89            | 92.1  |
| 190      | 8/13/2011 11:31:18 | 15.42  | 49.59  | 32.48        | 7.59    | 7.85 | 10.1       | 2.96            | 92.7  |
| 191      | 8/13/2011 11:46:18 | 14.95  | 49.64  | 32.50        | 7.70    | 7.86 | 10.2       | 3.05            | 93.1  |
| 192      | 8/13/2011 12:01:19 | 14.29  | 49.72  | 32.54        | 7.93    | 7.98 | 8.4        | 3.12            | 94.6  |
| 193      | 8/13/2011 12:16:18 | 14.01  | 49.70  | 32.52        | 8.09    | 7.89 | 7.9        | 3.19            | 96.0  |
| 194      | 8/13/2011 12:31:18 | 13.76  | 49.77  | 32.56        | 8.28    | 7.90 | 7.6        | 3.26            | 97.8  |
| 195      | 8/13/2011 12:46:19 | 13.69  | 49.78  | 32.56        | 8.31    | 8.01 | 5.6        | 3.30            | 98.0  |
| 196      | 8/13/2011 13:01:18 | 13.56  | 49.74  | 32.53        | 8.35    | 7.91 | 4.6        | 3.35            | 98.2  |
| 197      | 8/13/2011 13:16:18 | 13.49  | 49.77  | 32.55        | 8.16    | 7.90 | 3.6        | 3.37            | 95.8  |
| 198      | 8/13/2011 13:31:18 | 13.81  | 49.73  | 32.53        | 8.35    | 7.90 | 4.8        | 3.38            | 98.7  |
| 199      | 8/13/2011 13:46:18 | 13.70  | 49.61  | 32.44        | 8.16    | 7.90 | 5.3        | 3.35            | 96.2  |
| 200      | 8/13/2011 14:01:18 | 13.66  | 49.66  | 32.48        | 8.27    | 7.90 | 5.6        | 3.30            | 97.4  |
| 201      | 8/13/2011 14:16:18 | 13.87  | 49.61  | 32.45        | 8.25    | 7.90 | 6.8        | 3.24            | 97.5  |
| 202      | 8/13/2011 14:31:18 | 14.49  | 49.61  | 32.46        | 8.30    | 7.90 | 9.0        | 3.16            | 99.4  |
| 203      | 8/13/2011 14:46:18 | 15.13  | 49.60  | 32.47        | 8.44    | 7.91 | 7.9        | 3.08            | 102.5 |
| 204      | 8/13/2011 15:01:18 | 15.47  | 49.61  | 32.49        | 8.40    | 7.91 | 7.7        | 2.98            | 102.6 |
| 205      | 8/13/2011 15:16:18 | 15.87  | 49.61  | 32.49        | 8.47    | 7.91 | 8.9        | 2.88            | 104.4 |
| 206      | 8/13/2011 15:31:18 | 16.23  | 49.62  | 32.51        | 8.60    | 7.93 | 8.2        | 2.79            | 106.7 |
| 207      | 8/13/2011 15:46:18 | 16.39  | 49.58  | 32.48        | 9.36    | 7.98 | 6.8        | 2.70            | 116.5 |
| 208      | 8/13/2011 16:01:18 | 16.65  | 49.64  | 32.53        | 9.65    | 8.00 | 6.5        | 2.62            | 120.6 |
| 209      | 8/13/2011 16:16:18 | 16.79  | 49.66  | 32.54        | 9.71    | 8.01 | 6.5        | 2.53            | 121.7 |
| 210      | 8/13/2011 16:31:18 | 17.16  | 49.66  | 32.55        | 9.65    | 8.00 | 6.2        | 2.44            | 121.9 |
| 211      | 8/13/2011 16:46:18 | 17.38  | 49.64  | 32.54        | 9.72    | 8.00 | 6.5        | 2.37            | 123.3 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 212      | 8/13/2011 17:01:18 | 17.57  | 49.66  | 32.55        | 9.71    | 8.02 | 5.7        | 2.29            | 123.6 |
| 213      | 8/13/2011 17:16:18 | 17.70  | 49.69  | 32.57        | 9.58    | 8.00 | 4.8        | 2.22            | 122.2 |
| 214      | 8/13/2011 17:31:18 | 17.82  | 49.67  | 32.56        | 9.82    | 8.01 | 6.2        | 2.14            | 125.6 |
| 215      | 8/13/2011 17:46:18 | 17.94  | 49.69  | 32.58        | 9.36    | 7.99 | 4.2        | 2.11            | 120.1 |
| 216      | 8/13/2011 18:01:18 | 18.01  | 49.68  | 32.57        | 8.95    | 7.96 | 3.9        | 2.07            | 114.9 |
| 217      | 8/13/2011 18:16:18 | 18.02  | 49.70  | 32.59        | 9.58    | 8.00 | 4.3        | 2.03            | 123.0 |
| 218      | 8/13/2011 18:31:18 | 17.86  | 49.76  | 32.63        | 10.06   | 8.03 | 4.7        | 2.02            | 128.8 |
| 219      | 8/13/2011 18:46:18 | 17.97  | 49.69  | 32.58        | 9.61    | 8.01 | 4.7        | 2.05            | 123.3 |
| 220      | 8/13/2011 19:01:18 | 18.00  | 49.72  | 32.60        | 9.42    | 7.99 | 4.0        | 2.09            | 120.9 |
| 221      | 8/13/2011 19:16:18 | 18.16  | 49.71  | 32.60        | 8.98    | 7.97 | 3.4        | 2.12            | 115.6 |
| 222      | 8/13/2011 19:31:18 | 18.39  | 49.74  | 32.61        | 8.94    | 8.14 | 3.9        | 2.18            | 115.7 |
| 223      | 8/13/2011 19:46:18 | 18.27  | 49.74  | 32.62        | 8.81    | 7.96 | 4.7        | 2.26            | 113.7 |
| 224      | 8/13/2011 20:01:18 | 18.47  | 49.70  | 32.59        | 8.80    | 7.95 | 7.8        | 2.35            | 114.0 |
| 225      | 8/13/2011 20:16:18 | 18.24  | 49.70  | 32.59        | 8.73    | 7.94 | 6.5        | 2.43            | 112.6 |
| 226      | 8/13/2011 20:31:18 | 17.91  | 49.68  | 32.57        | 8.69    | 7.93 | 5.7        | 2.50            | 111.3 |
| 227      | 8/13/2011 20:46:18 | 17.69  | 49.67  | 32.56        | 8.62    | 7.92 | 5.9        | 2.59            | 110.1 |
| 228      | 8/13/2011 21:01:18 | 17.40  | 49.68  | 32.57        | 8.51    | 7.91 | 5.4        | 2.67            | 108.0 |
| 229      | 8/13/2011 21:16:18 | 16.62  | 49.66  | 32.54        | 8.13    | 7.88 | 6.0        | 2.76            | 101.6 |
| 230      | 8/13/2011 21:31:18 | 16.37  | 49.66  | 32.54        | 8.06    | 7.88 | 5.9        | 2.83            | 100.2 |
| 231      | 8/13/2011 21:46:18 | 16.13  | 49.68  | 32.55        | 8.01    | 7.87 | 5.7        | 2.91            | 99.1  |
| 232      | 8/13/2011 22:01:18 | 15.96  | 49.67  | 32.54        | 8.06    | 7.88 | 6.3        | 3.00            | 99.4  |
| 233      | 8/13/2011 22:16:18 | 15.56  | 49.62  | 32.50        | 8.09    | 8.07 | 7.3        | 3.08            | 99.0  |
| 234      | 8/13/2011 22:31:18 | 15.25  | 49.67  | 32.52        | 8.09    | 7.88 | 8.1        | 3.15            | 98.5  |
| 235      | 8/13/2011 22:46:18 | 14.84  | 49.66  | 32.51        | 8.24    | 7.89 | 7.5        | 3.24            | 99.4  |
| 236      | 8/13/2011 23:01:18 | 14.18  | 49.72  | 32.53        | 8.38    | 7.90 | 8.5        | 3.33            | 99.8  |
| 237      | 8/13/2011 23:16:19 | 13.77  | 49.73  | 32.53        | 8.39    | 8.00 | 8.2        | 3.41            | 99.1  |
| 238      | 8/13/2011 23:31:18 | 13.39  | 49.76  | 32.54        | 8.51    | 7.91 | 7.3        | 3.48            | 99.7  |
| 239      | 8/13/2011 23:46:18 | 13.10  | 49.79  | 32.55        | 8.61    | 7.92 | 6.4        | 3.55            | 100.3 |
| 240      | 8/14/2011 00:01:19 | 12.95  | 49.79  | 32.54        | 8.65    | 8.01 | 4.7        | 3.62            | 100.5 |
| 241      | 8/14/2011 00:16:19 | 12.82  | 49.80  | 32.54        | 8.73    | 8.01 | 4.0        | 3.67            | 101.2 |
| 242      | 8/14/2011 00:31:18 | 12.78  | 49.80  | 32.54        | 8.75    | 7.93 | 3.0        | 3.69            | 101.3 |
| 243      | 8/14/2011 00:46:18 | 13.30  | 49.78  | 32.55        | 8.37    | 7.91 | 4.3        | 3.70            | 97.9  |
| 244      | 8/14/2011 01:01:19 | 12.83  | 49.83  | 32.57        | 8.46    | 8.01 | 3.1        | 3.70            | 98.0  |
| 245      | 8/14/2011 01:16:18 | 12.84  | 49.75  | 32.51        | 8.62    | 7.93 | 3.4        | 3.67            | 99.9  |
| 246      | 8/14/2011 01:31:19 | 13.06  | 49.77  | 32.54        | 8.47    | 8.01 | 7.2        | 3.59            | 98.5  |
| 247      | 8/14/2011 01:46:18 | 13.84  | 49.75  | 32.55        | 8.02    | 7.89 | 9.1        | 3.51            | 94.9  |
| 248      | 8/14/2011 02:01:18 | 13.81  | 49.73  | 32.53        | 8.09    | 7.89 | 6.0        | 3.42            | 95.6  |
| 249      | 8/14/2011 02:16:18 | 14.55  | 49.67  | 32.51        | 7.84    | 7.87 | 5.8        | 3.32            | 94.1  |
| 250      | 8/14/2011 02:31:18 | 15.12  | 49.70  | 32.54        | 7.70    | 7.87 | 8.6        | 3.18            | 93.4  |
| 251      | 8/14/2011 02:46:18 | 15.21  | 49.73  | 32.57        | 7.76    | 7.88 | 7.9        | 3.07            | 94.3  |
| 252      | 8/14/2011 03:01:18 | 15.69  | 49.63  | 32.50        | 7.65    | 7.87 | 7.0        | 2.96            | 93.8  |
| 253      | 8/14/2011 03:16:18 | 15.96  | 49.71  | 32.57        | 7.52    | 7.87 | 7.6        | 2.85            | 92.8  |
| 254      | 8/14/2011 03:31:18 | 16.41  | 49.74  | 32.60        | 7.44    | 7.86 | 6.8        | 2.71            | 92.6  |
| 255      | 8/14/2011 03:46:18 | 16.76  | 49.76  | 32.62        | 7.45    | 7.87 | 6.7        | 2.59            | 93.4  |
| 256      | 8/14/2011 04:01:18 | 16.76  | 49.76  | 32.62        | 7.53    | 7.88 | 7.8        | 2.47            | 94.4  |
| 257      | 8/14/2011 04:16:18 | 16.64  | 49.76  | 32.62        | 7.51    | 7.87 | 8.6        | 2.35            | 93.9  |
| 258      | 8/14/2011 04:31:18 | 16.60  | 49.77  | 32.62        | 7.40    | 7.86 | 8.2        | 2.19            | 92.4  |
| 259      | 8/14/2011 04:46:18 | 16.57  | 49.77  | 32.62        | 7.41    | 7.86 | 9.0        | 2.06            | 92.5  |
| 260      | 8/14/2011 05:01:18 | 16.48  | 49.76  | 32.61        | 7.18    | 7.84 | 8.2        | 1.94            | 89.5  |
| 261      | 8/14/2011 05:16:18 | 16.59  | 49.78  | 32.63        | 7.18    | 7.84 | 6.8        | 1.79            | 89.7  |
| 262      | 8/14/2011 05:31:18 | 16.79  | 49.79  | 32.64        | 7.12    | 7.84 | 7.1        | 1.67            | 89.4  |
| 263      | 8/14/2011 05:46:18 | 17.13  | 49.77  | 32.63        | 7.23    | 8.03 | 7.0        | 1.55            | 91.3  |
| 264      | 8/14/2011 06:01:18 | 17.39  | 49.84  | 32.68        | 7.28    | 7.86 | 6.5        | 1.46            | 92.5  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 265      | 8/14/2011 06:16:18 | 17.41  | 49.81           | 32.66        | 7.20            | 7.86 | 6.2               | 1.37            | 91.4  |
| 266      | 8/14/2011 06:31:18 | 17.53  | 49.83           | 32.68        | 7.08            | 7.85 | 5.7               | 1.31            | 90.2  |
| 267      | 8/14/2011 06:46:18 | 17.59  | 49.82           | 32.67        | 7.14            | 7.86 | 5.1               | 1.27            | 91.1  |
| 268      | 8/14/2011 07:01:18 | 17.50  | 49.81           | 32.66        | 7.08            | 7.86 | 4.8               | 1.30            | 90.1  |
| 269      | 8/14/2011 07:16:18 | 17.52  | 49.80           | 32.66        | 7.25            | 7.86 | 4.8               | 1.31            | 92.3  |
| 270      | 8/14/2011 07:31:18 | 17.99  | 49.89           | 32.72        | 7.41            | 7.90 | 4.5               | 1.35            | 95.2  |
| 271      | 8/14/2011 07:46:18 | 18.11  | 49.87           | 32.71        | 7.49            | 7.91 | 5.4               | 1.44            | 96.4  |
| 272      | 8/14/2011 08:01:18 | 18.09  | 49.84           | 32.69        | 7.51            | 7.91 | 4.8               | 1.52            | 96.7  |
| 273      | 8/14/2011 08:16:18 | 18.07  | 49.75           | 32.62        | 7.41            | 7.89 | 6.5               | 1.60            | 95.3  |
| 274      | 8/14/2011 08:31:18 | 18.16  | 49.60           | 32.51        | 7.23            | 7.88 | 8.7               | 1.67            | 93.0  |
| 275      | 8/14/2011 08:46:18 | 18.05  | 49.60           | 32.52        | 7.24            | 7.88 | 8.7               | 1.79            | 93.0  |
| 276      | 8/14/2011 09:01:18 | 17.78  | 49.67           | 32.57        | 7.29            | 8.05 | 7.1               | 1.86            | 93.2  |
| 277      | 8/14/2011 09:16:18 | 17.68  | 49.70           | 32.58        | 7.27            | 7.87 | 7.1               | 1.96            | 92.8  |
| 278      | 8/14/2011 09:31:18 | 17.61  | 49.70           | 32.59        | 7.26            | 7.87 | 7.3               | 2.06            | 92.5  |
| 279      | 8/14/2011 09:46:18 | 17.47  | 49.71           | 32.59        | 7.23            | 7.86 | 7.3               | 2.14            | 91.9  |
| 280      | 8/14/2011 10:01:18 | 17.12  | 49.70           | 32.58        | 7.27            | 7.85 | 7.1               | 2.25            | 91.8  |
| 281      | 8/14/2011 10:16:18 | 16.98  | 49.69           | 32.57        | 7.28            | 7.85 | 7.4               | 2.35            | 91.6  |
| 282      | 8/14/2011 10:31:18 | 16.84  | 49.71           | 32.58        | 7.31            | 7.85 | 7.3               | 2.45            | 91.7  |
| 283      | 8/14/2011 10:46:18 | 16.62  | 49.69           | 32.57        | 7.33            | 7.84 | 8.1               | 2.55            | 91.6  |
| 284      | 8/14/2011 11:01:18 | 16.44  | 49.70           | 32.57        | 7.39            | 7.85 | 8.7               | 2.65            | 92.1  |
| 285      | 8/14/2011 11:16:18 | 16.25  | 49.67           | 32.55        | 7.46            | 7.85 | 8.4               | 2.73            | 92.6  |
| 286      | 8/14/2011 11:31:18 | 16.11  | 49.68           | 32.55        | 7.47            | 7.85 | 8.8               | 2.82            | 92.5  |
| 287      | 8/14/2011 11:46:18 | 15.68  | 49.55           | 32.45        | 7.61            | 8.04 | 10.4              | 2.91            | 93.3  |
| 288      | 8/14/2011 12:01:18 | 15.38  | 49.61           | 32.49        | 7.67            | 8.05 | 10.7              | 3.00            | 93.5  |
| 289      | 8/14/2011 12:16:18 | 15.01  | 49.61           | 32.48        | 7.71            | 8.05 | 10.3              | 3.07            | 93.3  |
| 290      | 8/14/2011 12:31:18 | 14.27  | 49.69           | 32.52        | 7.90            | 7.87 | 9.5               | 3.15            | 94.2  |
| 291      | 8/14/2011 12:46:18 | 13.92  | 49.70           | 32.51        | 8.09            | 7.89 | 7.8               | 3.23            | 95.8  |
| 292      | 8/14/2011 13:01:19 | 13.80  | 49.70           | 32.51        | 8.26            | 8.00 | 7.0               | 3.29            | 97.5  |
| 293      | 8/14/2011 13:16:18 | 13.72  | 49.69           | 32.50        | 8.35            | 7.92 | 5.7               | 3.34            | 98.5  |
| 294      | 8/14/2011 13:31:18 | 13.65  | 49.68           | 32.49        | 8.44            | 7.92 | 4.3               | 3.38            | 99.4  |
| 295      | 8/14/2011 13:46:18 | 13.60  | 49.71           | 32.51        | 8.42            | 7.92 | 4.2               | 3.41            | 99.1  |
| 296      | 8/14/2011 14:01:19 | 13.97  | 49.70           | 32.51        | 8.14            | 8.00 | 4.8               | 3.41            | 96.5  |
| 297      | 8/14/2011 14:16:18 | 13.92  | 49.66           | 32.49        | 8.12            | 7.90 | 4.8               | 3.39            | 96.2  |
| 298      | 8/14/2011 14:31:18 | 13.81  | 49.69           | 32.50        | 8.30            | 7.91 | 5.4               | 3.34            | 98.0  |
| 299      | 8/14/2011 14:46:18 | 14.27  | 49.69           | 32.52        | 8.43            | 7.92 | 7.4               | 3.28            | 100.6 |
| 300      | 8/14/2011 15:01:18 | 14.75  | 49.64           | 32.50        | 8.39            | 7.91 | 8.5               | 3.19            | 101.0 |
| 301      | 8/14/2011 15:16:18 | 15.37  | 49.67           | 32.53        | 8.49            | 7.92 | 7.8               | 3.10            | 103.5 |
| 302      | 8/14/2011 15:31:18 | 15.64  | 49.65           | 32.52        | 8.42            | 7.92 | 8.6               | 3.00            | 103.2 |
| 303      | 8/14/2011 15:46:18 | 16.09  | 49.60           | 32.49        | 8.26            | 7.91 | 8.5               | 2.92            | 102.2 |
| 304      | 8/14/2011 16:01:18 | 16.38  | 49.63           | 32.52        | 8.86            | 7.95 | 7.8               | 2.81            | 110.2 |
| 305      | 8/14/2011 16:16:18 | 16.62  | 49.67           | 32.55        | 9.04            | 7.97 | 7.3               | 2.71            | 113.0 |
| 306      | 8/14/2011 16:31:18 | 16.58  | 49.60           | 32.50        | 9.66            | 8.18 | 6.4               | 2.63            | 120.6 |
| 307      | 8/14/2011 16:46:18 | 16.92  | 49.66           | 32.55        | 9.48            | 7.99 | 6.8               | 2.54            | 119.2 |
| 308      | 8/14/2011 17:01:18 | 17.21  | 49.58           | 32.50        | 9.71            | 8.00 | 6.1               | 2.45            | 122.7 |
| 309      | 8/14/2011 17:16:18 | 17.16  | 49.64           | 32.54        | 10.02           | 8.03 | 5.9               | 2.35            | 126.6 |
| 310      | 8/14/2011 17:31:18 | 17.50  | 49.71           | 32.59        | 9.74            | 8.02 | 6.3               | 2.27            | 123.9 |
| 311      | 8/14/2011 17:46:18 | 17.55  | 49.68           | 32.57        | 9.96            | 8.03 | 5.8               | 2.20            | 126.8 |
| 312      | 8/14/2011 18:01:18 | 17.66  | 49.64           | 32.54        | 10.09           | 8.04 | 5.1               | 2.10            | 128.6 |
| 313      | 8/14/2011 18:16:18 | 17.76  | 49.70           | 32.58        | 10.23           | 8.05 | 5.2               | 2.04            | 130.8 |
| 314      | 8/14/2011 18:31:18 | 17.93  | 49.70           | 32.59        | 9.68            | 8.03 | 4.7               | 2.01            | 124.2 |
| 315      | 8/14/2011 18:46:18 | 18.05  | 49.66           | 32.56        | 9.70            | 8.20 | 4.3               | 1.97            | 124.6 |
| 316      | 8/14/2011 19:01:18 | 18.20  | 49.71           | 32.59        | 9.18            | 8.18 | 3.7               | 1.94            | 118.3 |
| 317      | 8/14/2011 19:16:18 | 18.67  | 49.71           | 32.60        | 9.25            | 8.01 | 3.5               | 1.94            | 120.3 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 318      | 8/14/2011 19:31:18 | 18.64  | 49.79  | 32.65        | 9.36    | 8.01 | 3.5        | 1.98            | 121.7 |
| 319      | 8/14/2011 19:46:18 | 18.50  | 49.76  | 32.63        | 9.32    | 8.00 | 3.7        | 2.01            | 120.8 |
| 320      | 8/14/2011 20:01:18 | 18.66  | 49.80  | 32.66        | 9.16    | 7.99 | 4.5        | 2.05            | 119.1 |
| 321      | 8/14/2011 20:16:18 | 18.59  | 49.78  | 32.65        | 9.12    | 7.99 | 5.0        | 2.14            | 118.4 |
| 322      | 8/14/2011 20:31:18 | 18.59  | 49.71  | 32.59        | 8.95    | 7.97 | 8.2        | 2.22            | 116.1 |
| 323      | 8/14/2011 20:46:18 | 18.68  | 49.70  | 32.59        | 8.86    | 7.97 | 8.2        | 2.29            | 115.3 |
| 324      | 8/14/2011 21:01:18 | 18.31  | 49.71  | 32.60        | 8.83    | 7.95 | 6.7        | 2.38            | 114.0 |
| 325      | 8/14/2011 21:16:19 | 18.04  | 49.71  | 32.59        | 8.79    | 8.06 | 6.2        | 2.47            | 112.9 |
| 326      | 8/14/2011 21:31:18 | 17.77  | 49.69  | 32.58        | 8.68    | 7.94 | 6.3        | 2.54            | 111.0 |
| 327      | 8/14/2011 21:46:18 | 17.25  | 49.68  | 32.56        | 8.29    | 7.90 | 6.2        | 2.62            | 104.9 |
| 328      | 8/14/2011 22:01:18 | 16.80  | 49.68  | 32.56        | 8.01    | 7.88 | 5.8        | 2.71            | 100.5 |
| 329      | 8/14/2011 22:16:18 | 16.55  | 49.67  | 32.55        | 8.00    | 7.88 | 5.9        | 2.78            | 99.8  |
| 330      | 8/14/2011 22:31:18 | 16.34  | 49.68  | 32.55        | 7.96    | 7.88 | 6.3        | 2.86            | 99.0  |
| 331      | 8/14/2011 22:46:18 | 16.13  | 49.67  | 32.55        | 8.02    | 7.88 | 6.7        | 2.94            | 99.3  |
| 332      | 8/14/2011 23:01:18 | 15.72  | 49.67  | 32.53        | 8.07    | 7.88 | 6.7        | 3.02            | 99.2  |
| 333      | 8/14/2011 23:16:18 | 15.44  | 49.67  | 32.53        | 8.09    | 7.89 | 7.8        | 3.11            | 98.8  |
| 334      | 8/14/2011 23:31:18 | 15.13  | 49.62  | 32.49        | 8.21    | 7.90 | 8.5        | 3.18            | 99.6  |
| 335      | 8/14/2011 23:46:18 | 14.57  | 49.67  | 32.51        | 8.39    | 7.91 | 9.2        | 3.27            | 100.6 |
| 336      | 8/15/2011 00:01:18 | 14.18  | 49.68  | 32.50        | 8.46    | 7.91 | 6.9        | 3.35            | 100.7 |
| 337      | 8/15/2011 00:16:19 | 13.88  | 49.69  | 32.51        | 8.56    | 8.01 | 6.3        | 3.42            | 101.3 |
| 338      | 8/15/2011 00:31:18 | 13.58  | 49.72  | 32.52        | 8.67    | 7.93 | 5.2        | 3.48            | 102.0 |
| 339      | 8/15/2011 00:46:18 | 13.35  | 49.68  | 32.48        | 8.79    | 7.94 | 4.6        | 3.54            | 102.9 |
| 340      | 8/15/2011 01:01:18 | 13.21  | 49.70  | 32.49        | 8.89    | 7.95 | 4.3        | 3.58            | 103.8 |
| 341      | 8/15/2011 01:16:19 | 13.12  | 49.75  | 32.52        | 8.87    | 8.03 | 3.2        | 3.60            | 103.3 |
| 342      | 8/15/2011 01:31:18 | 13.26  | 49.80  | 32.56        | 8.64    | 7.93 | 4.0        | 3.61            | 101.0 |
| 343      | 8/15/2011 01:46:19 | 13.22  | 49.69  | 32.48        | 8.68    | 8.02 | 3.5        | 3.59            | 101.4 |
| 344      | 8/15/2011 02:01:19 | 13.29  | 49.66  | 32.46        | 8.71    | 8.03 | 4.3        | 3.54            | 101.9 |
| 345      | 8/15/2011 02:16:19 | 14.00  | 49.63  | 32.47        | 8.32    | 8.01 | 6.0        | 3.47            | 98.7  |
| 346      | 8/15/2011 02:31:18 | 14.85  | 49.70  | 32.54        | 7.75    | 7.88 | 6.3        | 3.39            | 93.6  |
| 347      | 8/15/2011 02:46:18 | 14.76  | 49.53  | 32.41        | 7.97    | 8.07 | 7.7        | 3.30            | 95.9  |
| 348      | 8/15/2011 03:01:18 | 15.09  | 49.70  | 32.55        | 7.96    | 7.89 | 7.7        | 3.20            | 96.5  |
| 349      | 8/15/2011 03:16:18 | 15.56  | 49.70  | 32.55        | 7.74    | 7.88 | 7.8        | 3.08            | 94.8  |
| 350      | 8/15/2011 03:31:18 | 15.85  | 49.58  | 32.47        | 7.71    | 7.87 | 7.0        | 2.96            | 94.9  |
| 351      | 8/15/2011 03:46:18 | 15.92  | 49.70  | 32.56        | 7.68    | 7.87 | 7.3        | 2.87            | 94.7  |
| 352      | 8/15/2011 04:01:18 | 16.26  | 49.71  | 32.58        | 7.52    | 7.87 | 7.4        | 2.76            | 93.3  |
| 353      | 8/15/2011 04:16:18 | 16.54  | 49.72  | 32.59        | 7.45    | 7.87 | 6.8        | 2.63            | 93.0  |
| 354      | 8/15/2011 04:31:18 | 16.77  | 49.72  | 32.59        | 7.28    | 7.86 | 7.0        | 2.52            | 91.3  |
| 355      | 8/15/2011 04:46:18 | 16.77  | 49.68  | 32.56        | 7.39    | 8.04 | 6.4        | 2.41            | 92.6  |
| 356      | 8/15/2011 05:01:18 | 16.58  | 49.75  | 32.61        | 7.29    | 7.86 | 7.5        | 2.27            | 91.1  |
| 357      | 8/15/2011 05:16:18 | 16.55  | 49.73  | 32.60        | 7.26    | 7.86 | 7.6        | 2.15            | 90.7  |
| 358      | 8/15/2011 05:31:18 | 16.38  | 49.81  | 32.65        | 7.29    | 7.85 | 7.9        | 2.03            | 90.8  |
| 359      | 8/15/2011 05:46:18 | 16.51  | 49.73  | 32.60        | 7.15    | 7.85 | 7.3        | 1.90            | 89.2  |
| 360      | 8/15/2011 06:01:18 | 16.54  | 49.75  | 32.61        | 7.08    | 7.85 | 6.6        | 1.79            | 88.4  |
| 361      | 8/15/2011 06:16:18 | 16.78  | 49.75  | 32.61        | 7.12    | 7.85 | 7.6        | 1.66            | 89.3  |
| 362      | 8/15/2011 06:31:18 | 17.04  | 49.76  | 32.62        | 7.19    | 7.86 | 6.6        | 1.57            | 90.6  |
| 363      | 8/15/2011 06:46:18 | 17.16  | 49.81  | 32.66        | 7.20    | 7.86 | 7.3        | 1.50            | 91.0  |
| 364      | 8/15/2011 07:01:18 | 17.35  | 49.76  | 32.62        | 7.20    | 7.87 | 5.6        | 1.44            | 91.4  |
| 365      | 8/15/2011 07:16:18 | 17.43  | 49.79  | 32.65        | 7.29    | 7.87 | 5.6        | 1.41            | 92.7  |
| 366      | 8/15/2011 07:31:18 | 17.66  | 49.81  | 32.67        | 7.39    | 7.90 | 4.2        | 1.39            | 94.3  |
| 367      | 8/15/2011 07:46:18 | 17.42  | 49.76  | 32.63        | 7.33    | 7.88 | 4.8        | 1.42            | 93.2  |
| 368      | 8/15/2011 08:01:18 | 17.59  | 49.77  | 32.63        | 7.45    | 7.90 | 5.0        | 1.47            | 94.9  |
| 369      | 8/15/2011 08:16:18 | 17.70  | 49.79  | 32.65        | 7.49    | 7.90 | 4.9        | 1.52            | 95.6  |
| 370      | 8/15/2011 08:31:18 | 17.77  | 49.79  | 32.65        | 7.57    | 7.91 | 4.5        | 1.59            | 96.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 371      | 8/15/2011 08:46:18 | 17.72  | 49.79  | 32.65        | 7.54    | 7.91 | 4.7        | 1.69            | 96.4  |
| 372      | 8/15/2011 09:01:18 | 17.86  | 49.58  | 32.50        | 7.30    | 7.89 | 9.3        | 1.78            | 93.4  |
| 373      | 8/15/2011 09:16:18 | 17.77  | 49.61  | 32.52        | 7.27    | 7.89 | 8.9        | 1.86            | 92.9  |
| 374      | 8/15/2011 09:31:18 | 17.59  | 49.67  | 32.56        | 7.32    | 7.89 | 7.0        | 1.94            | 93.3  |
| 375      | 8/15/2011 09:46:18 | 17.49  | 49.65  | 32.55        | 7.32    | 7.88 | 7.1        | 2.05            | 93.1  |
| 376      | 8/15/2011 10:01:18 | 17.41  | 49.67  | 32.56        | 7.32    | 7.88 | 6.9        | 2.13            | 93.0  |
| 377      | 8/15/2011 10:16:18 | 17.32  | 49.67  | 32.56        | 7.32    | 7.88 | 6.8        | 2.22            | 92.8  |
| 378      | 8/15/2011 10:31:18 | 17.00  | 49.62  | 32.52        | 7.36    | 8.04 | 6.4        | 2.32            | 92.7  |
| 379      | 8/15/2011 10:46:18 | 16.90  | 49.61  | 32.51        | 7.38    | 8.04 | 6.5        | 2.41            | 92.8  |
| 380      | 8/15/2011 11:01:18 | 16.84  | 49.66  | 32.54        | 7.38    | 8.04 | 7.2        | 2.52            | 92.6  |
| 381      | 8/15/2011 11:16:18 | 16.65  | 49.67  | 32.55        | 7.44    | 7.86 | 7.8        | 2.61            | 93.0  |
| 382      | 8/15/2011 11:31:18 | 16.45  | 49.64  | 32.53        | 7.47    | 7.86 | 8.6        | 2.70            | 93.0  |
| 383      | 8/15/2011 11:46:18 | 16.27  | 49.66  | 32.54        | 7.52    | 7.86 | 8.9        | 2.79            | 93.4  |
| 384      | 8/15/2011 12:01:18 | 16.06  | 49.61  | 32.50        | 7.57    | 7.86 | 9.2        | 2.88            | 93.6  |
| 385      | 8/15/2011 12:16:18 | 15.70  | 49.62  | 32.50        | 7.73    | 7.87 | 10.7       | 2.97            | 94.9  |
| 386      | 8/15/2011 12:31:19 | 15.38  | 49.62  | 32.49        | 7.83    | 7.97 | 10.4       | 3.05            | 95.5  |
| 387      | 8/15/2011 12:46:18 | 14.84  | 49.63  | 32.49        | 7.93    | 7.88 | 10.7       | 3.13            | 95.7  |
| 388      | 8/15/2011 13:01:18 | 14.30  | 49.64  | 32.48        | 8.14    | 7.90 | 9.0        | 3.22            | 97.2  |
| 389      | 8/15/2011 13:16:18 | 14.04  | 49.63  | 32.46        | 8.33    | 7.91 | 9.8        | 3.29            | 98.9  |
| 390      | 8/15/2011 13:31:18 | 13.83  | 49.64  | 32.46        | 8.45    | 7.93 | 7.3        | 3.35            | 99.9  |
| 391      | 8/15/2011 13:46:18 | 13.65  | 49.61  | 32.44        | 8.53    | 7.93 | 5.2        | 3.41            | 100.4 |
| 392      | 8/15/2011 14:01:18 | 13.43  | 49.67  | 32.48        | 8.60    | 7.94 | 5.1        | 3.45            | 100.9 |
| 393      | 8/15/2011 14:16:19 | 13.41  | 49.67  | 32.47        | 8.51    | 8.02 | 3.4        | 3.46            | 99.7  |
| 394      | 8/15/2011 14:31:18 | 13.78  | 49.68  | 32.50        | 8.25    | 7.92 | 4.2        | 3.47            | 97.4  |
| 395      | 8/15/2011 14:46:18 | 13.61  | 49.62  | 32.45        | 8.37    | 7.92 | 5.2        | 3.45            | 98.4  |
| 396      | 8/15/2011 15:01:18 | 13.63  | 49.62  | 32.44        | 8.42    | 7.92 | 5.8        | 3.39            | 99.1  |
| 397      | 8/15/2011 15:16:18 | 14.78  | 49.62  | 32.48        | 8.73    | 7.95 | 7.0        | 3.34            | 105.2 |
| 398      | 8/15/2011 15:31:18 | 15.45  | 49.58  | 32.47        | 8.79    | 7.95 | 7.6        | 3.25            | 107.4 |
| 399      | 8/15/2011 15:46:18 | 15.89  | 49.57  | 32.46        | 8.87    | 7.95 | 7.8        | 3.16            | 109.2 |
| 400      | 8/15/2011 16:01:18 | 15.77  | 49.61  | 32.49        | 8.62    | 7.93 | 9.8        | 3.06            | 105.9 |
| 401      | 8/15/2011 16:16:18 | 16.26  | 49.60  | 32.49        | 8.63    | 7.94 | 9.7        | 2.96            | 107.1 |
| 402      | 8/15/2011 16:31:19 | 16.71  | 49.63  | 32.52        | 8.79    | 8.06 | 8.7        | 2.87            | 110.1 |
| 403      | 8/15/2011 16:46:18 | 17.09  | 49.55  | 32.47        | 8.90    | 8.13 | 10.7       | 2.76            | 112.2 |
| 404      | 8/15/2011 17:01:18 | 17.31  | 49.64  | 32.54        | 9.14    | 7.98 | 9.3        | 2.67            | 115.8 |
| 405      | 8/15/2011 17:16:18 | 17.38  | 49.54  | 32.47        | 9.40    | 7.98 | 7.4        | 2.59            | 119.2 |
| 406      | 8/15/2011 17:31:18 | 17.23  | 49.64  | 32.53        | 9.88    | 8.02 | 6.0        | 2.49            | 124.9 |
| 407      | 8/15/2011 17:46:18 | 17.53  | 49.58  | 32.50        | 10.06   | 8.03 | 6.1        | 2.39            | 128.0 |
| 408      | 8/15/2011 18:01:18 | 17.53  | 49.60  | 32.51        | 10.19   | 8.04 | 5.7        | 2.31            | 129.6 |
| 409      | 8/15/2011 18:16:18 | 17.63  | 49.62  | 32.53        | 10.21   | 8.05 | 5.7        | 2.24            | 130.1 |
| 410      | 8/15/2011 18:31:18 | 17.82  | 49.59  | 32.51        | 10.23   | 8.05 | 4.9        | 2.14            | 130.9 |
| 411      | 8/15/2011 18:46:18 | 17.91  | 49.60  | 32.51        | 10.34   | 8.22 | 5.2        | 2.05            | 132.4 |
| 412      | 8/15/2011 19:01:18 | 18.16  | 49.65  | 32.55        | 10.23   | 8.05 | 5.0        | 2.00            | 131.7 |
| 413      | 8/15/2011 19:16:18 | 18.32  | 49.67  | 32.57        | 9.99    | 8.04 | 4.6        | 1.95            | 129.1 |
| 414      | 8/15/2011 19:31:18 | 18.63  | 49.72  | 32.60        | 10.08   | 8.06 | 4.3        | 1.92            | 131.0 |
| 415      | 8/15/2011 19:46:18 | 19.00  | 49.71  | 32.60        | 9.87    | 8.05 | 3.7        | 1.90            | 129.1 |
| 416      | 8/15/2011 20:01:18 | 19.09  | 49.74  | 32.62        | 9.64    | 8.10 | 3.6        | 1.90            | 126.4 |
| 417      | 8/15/2011 20:16:18 | 19.17  | 49.78  | 32.65        | 9.87    | 8.05 | 3.4        | 1.94            | 129.6 |
| 418      | 8/15/2011 20:31:18 | 18.95  | 49.72  | 32.60        | 9.65    | 8.02 | 4.2        | 1.97            | 126.2 |
| 419      | 8/15/2011 20:46:18 | 19.09  | 49.74  | 32.62        | 9.64    | 8.03 | 4.8        | 2.02            | 126.3 |
| 420      | 8/15/2011 21:01:18 | 18.99  | 49.74  | 32.62        | 9.58    | 8.02 | 5.1        | 2.10            | 125.4 |
| 421      | 8/15/2011 21:16:18 | 19.31  | 49.65  | 32.55        | 9.20    | 8.00 | 8.7        | 2.18            | 121.1 |
| 422      | 8/15/2011 21:31:18 | 19.34  | 49.61  | 32.53        | 9.12    | 7.99 | 8.5        | 2.26            | 120.0 |
| 423      | 8/15/2011 21:46:18 | 18.83  | 49.67  | 32.56        | 9.18    | 7.98 | 6.1        | 2.34            | 119.7 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 424      | 8/15/2011 22:01:18 | 18.51  | 49.66  | 32.56        | 9.12    | 7.97 | 5.1        | 2.41            | 118.2 |
| 425      | 8/15/2011 22:16:18 | 18.26  | 49.66  | 32.55        | 9.06    | 7.97 | 5.4        | 2.50            | 116.9 |
| 426      | 8/15/2011 22:31:18 | 17.94  | 49.65  | 32.55        | 8.84    | 7.95 | 5.9        | 2.58            | 113.3 |
| 427      | 8/15/2011 22:46:18 | 17.30  | 49.62  | 32.52        | 8.25    | 7.90 | 6.2        | 2.65            | 104.4 |
| 428      | 8/15/2011 23:01:18 | 17.10  | 49.63  | 32.53        | 8.12    | 7.89 | 5.6        | 2.73            | 102.5 |
| 429      | 8/15/2011 23:16:18 | 16.85  | 49.63  | 32.52        | 8.10    | 7.89 | 5.7        | 2.81            | 101.6 |
| 430      | 8/15/2011 23:31:18 | 16.71  | 49.56  | 32.47        | 8.08    | 7.89 | 6.0        | 2.88            | 101.2 |
| 431      | 8/15/2011 23:46:18 | 16.28  | 49.62  | 32.51        | 8.12    | 7.89 | 6.2        | 2.96            | 100.8 |
| 432      | 8/16/2011 00:01:18 | 15.94  | 49.61  | 32.49        | 8.15    | 7.90 | 6.8        | 3.04            | 100.5 |
| 433      | 8/16/2011 00:16:18 | 15.69  | 49.61  | 32.50        | 8.17    | 7.90 | 6.8        | 3.11            | 100.2 |
| 434      | 8/16/2011 00:31:18 | 15.14  | 49.61  | 32.48        | 8.30    | 7.90 | 6.4        | 3.19            | 100.7 |
| 435      | 8/16/2011 00:46:18 | 14.82  | 49.61  | 32.47        | 8.27    | 7.90 | 6.3        | 3.26            | 99.7  |
| 436      | 8/16/2011 01:01:18 | 14.69  | 49.60  | 32.46        | 8.23    | 7.90 | 6.0        | 3.32            | 99.0  |
| 437      | 8/16/2011 01:16:18 | 14.27  | 49.63  | 32.47        | 8.31    | 7.91 | 5.2        | 3.39            | 99.1  |
| 438      | 8/16/2011 01:31:18 | 13.97  | 49.64  | 32.47        | 8.34    | 7.91 | 4.2        | 3.43            | 98.8  |
| 439      | 8/16/2011 01:46:18 | 13.68  | 49.67  | 32.48        | 8.42    | 7.92 | 3.6        | 3.47            | 99.2  |
| 440      | 8/16/2011 02:01:18 | 13.62  | 49.64  | 32.46        | 8.36    | 7.92 | 3.3        | 3.48            | 98.4  |
| 441      | 8/16/2011 02:16:18 | 13.91  | 49.73  | 32.54        | 8.05    | 7.90 | 4.2        | 3.48            | 95.3  |
| 442      | 8/16/2011 02:31:18 | 13.67  | 49.64  | 32.46        | 8.27    | 7.91 | 3.7        | 3.46            | 97.4  |
| 443      | 8/16/2011 02:46:18 | 13.70  | 49.64  | 32.46        | 8.27    | 7.91 | 4.2        | 3.41            | 97.5  |
| 444      | 8/16/2011 03:01:18 | 14.65  | 49.61  | 32.47        | 7.98    | 7.89 | 5.2        | 3.35            | 95.9  |
| 445      | 8/16/2011 03:16:18 | 15.27  | 49.60  | 32.48        | 7.81    | 7.89 | 6.2        | 3.26            | 95.0  |
| 446      | 8/16/2011 03:31:18 | 15.38  | 49.66  | 32.52        | 7.75    | 7.88 | 7.0        | 3.17            | 94.6  |
| 447      | 8/16/2011 03:46:18 | 15.89  | 49.63  | 32.51        | 7.72    | 7.89 | 7.9        | 3.07            | 95.1  |
| 448      | 8/16/2011 04:01:18 | 16.08  | 49.67  | 32.54        | 7.70    | 7.89 | 7.1        | 2.96            | 95.2  |
| 449      | 8/16/2011 04:16:18 | 16.27  | 49.63  | 32.51        | 7.70    | 7.88 | 7.4        | 2.86            | 95.6  |
| 450      | 8/16/2011 04:31:18 | 16.81  | 49.60  | 32.50        | 7.49    | 7.88 | 7.1        | 2.76            | 94.0  |
| 451      | 8/16/2011 04:46:18 | 16.96  | 49.64  | 32.53        | 7.48    | 8.04 | 7.0        | 2.66            | 94.1  |
| 452      | 8/16/2011 05:01:18 | 17.24  | 49.64  | 32.54        | 7.32    | 7.87 | 7.3        | 2.55            | 92.6  |
| 453      | 8/16/2011 05:16:18 | 17.31  | 49.67  | 32.56        | 7.28    | 7.87 | 6.0        | 2.43            | 92.2  |
| 454      | 8/16/2011 05:31:18 | 17.21  | 49.70  | 32.58        | 7.24    | 7.86 | 7.4        | 2.33            | 91.5  |
| 455      | 8/16/2011 05:46:18 | 17.09  | 49.70  | 32.58        | 7.11    | 7.85 | 8.1        | 2.21            | 89.6  |
| 456      | 8/16/2011 06:01:18 | 17.08  | 49.66  | 32.55        | 7.12    | 7.85 | 7.9        | 2.10            | 89.8  |
| 457      | 8/16/2011 06:16:18 | 17.12  | 49.70  | 32.58        | 7.12    | 7.86 | 8.0        | 1.98            | 89.9  |
| 458      | 8/16/2011 06:31:18 | 17.23  | 49.68  | 32.56        | 7.21    | 7.86 | 7.5        | 1.89            | 91.2  |
| 459      | 8/16/2011 06:46:18 | 17.22  | 49.70  | 32.58        | 7.10    | 7.85 | 6.3        | 1.78            | 89.8  |
| 460      | 8/16/2011 07:01:18 | 17.54  | 49.68  | 32.57        | 7.15    | 7.86 | 5.6        | 1.68            | 91.0  |
| 461      | 8/16/2011 07:16:18 | 17.82  | 49.72  | 32.60        | 7.33    | 7.88 | 5.1        | 1.63            | 93.8  |
| 462      | 8/16/2011 07:31:18 | 18.05  | 49.76  | 32.63        | 7.42    | 7.89 | 4.6        | 1.57            | 95.4  |
| 463      | 8/16/2011 07:46:18 | 18.07  | 49.76  | 32.63        | 7.38    | 7.89 | 4.3        | 1.53            | 94.9  |
| 464      | 8/16/2011 08:01:18 | 18.24  | 49.77  | 32.64        | 7.63    | 7.90 | 4.0        | 1.54            | 98.4  |
| 465      | 8/16/2011 08:16:18 | 18.08  | 49.75  | 32.63        | 7.48    | 7.90 | 4.0        | 1.55            | 96.2  |
| 466      | 8/16/2011 08:31:18 | 18.39  | 49.76  | 32.63        | 7.65    | 7.92 | 4.0        | 1.58            | 99.0  |
| 467      | 8/16/2011 08:46:18 | 18.36  | 49.76  | 32.63        | 7.65    | 7.92 | 4.1        | 1.62            | 98.9  |
| 468      | 8/16/2011 09:01:18 | 18.47  | 49.78  | 32.65        | 7.66    | 7.92 | 4.3        | 1.71            | 99.3  |
| 469      | 8/16/2011 09:16:18 | 18.40  | 49.76  | 32.64        | 7.67    | 7.92 | 4.6        | 1.78            | 99.2  |
| 470      | 8/16/2011 09:31:18 | 18.48  | 49.64  | 32.54        | 7.42    | 7.90 | 7.0        | 1.87            | 96.1  |
| 471      | 8/16/2011 09:46:18 | 18.54  | 49.56  | 32.48        | 7.30    | 7.96 | 8.2        | 1.96            | 94.6  |
| 472      | 8/16/2011 10:01:18 | 18.19  | 49.65  | 32.55        | 7.41    | 7.89 | 7.0        | 2.04            | 95.4  |
| 473      | 8/16/2011 10:16:18 | 18.05  | 49.63  | 32.53        | 7.40    | 8.05 | 6.5        | 2.13            | 95.1  |
| 474      | 8/16/2011 10:31:18 | 17.93  | 49.68  | 32.57        | 7.41    | 7.88 | 6.3        | 2.22            | 95.0  |
| 475      | 8/16/2011 10:46:19 | 17.73  | 49.68  | 32.57        | 7.38    | 7.97 | 6.0        | 2.30            | 94.3  |
| 476      | 8/16/2011 11:01:18 | 17.42  | 49.67  | 32.56        | 7.47    | 7.87 | 6.3        | 2.40            | 94.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 477      | 8/16/2011 11:16:18 | 17.33  | 49.65  | 32.55        | 7.50    | 7.87 | 6.1        | 2.49            | 95.0  |
| 478      | 8/16/2011 11:31:18 | 17.21  | 49.65  | 32.54        | 7.51    | 7.87 | 6.4        | 2.58            | 95.0  |
| 479      | 8/16/2011 11:46:18 | 17.04  | 49.64  | 32.53        | 7.54    | 7.87 | 7.0        | 2.67            | 95.0  |
| 480      | 8/16/2011 12:01:18 | 16.82  | 49.64  | 32.53        | 7.54    | 7.87 | 7.8        | 2.75            | 94.7  |
| 481      | 8/16/2011 12:16:18 | 16.59  | 49.63  | 32.52        | 7.58    | 7.87 | 8.7        | 2.84            | 94.7  |
| 482      | 8/16/2011 12:31:18 | 16.34  | 49.60  | 32.50        | 7.61    | 7.87 | 8.7        | 2.92            | 94.6  |
| 483      | 8/16/2011 12:46:18 | 15.86  | 49.58  | 32.47        | 7.79    | 7.88 | 9.2        | 3.00            | 95.9  |
| 484      | 8/16/2011 13:01:18 | 15.58  | 49.57  | 32.46        | 7.87    | 7.88 | 8.7        | 3.09            | 96.4  |
| 485      | 8/16/2011 13:16:18 | 15.09  | 49.58  | 32.46        | 7.94    | 7.89 | 9.2        | 3.18            | 96.2  |
| 486      | 8/16/2011 13:31:18 | 14.58  | 49.58  | 32.44        | 8.13    | 7.90 | 8.1        | 3.25            | 97.5  |
| 487      | 8/16/2011 13:46:18 | 14.25  | 49.57  | 32.43        | 8.32    | 8.07 | 6.8        | 3.32            | 99.2  |
| 488      | 8/16/2011 14:01:18 | 13.99  | 49.61  | 32.45        | 8.52    | 7.93 | 6.7        | 3.39            | 101.0 |
| 489      | 8/16/2011 14:16:19 | 13.88  | 49.61  | 32.45        | 8.64    | 8.00 | 5.6        | 3.44            | 102.2 |
| 490      | 8/16/2011 14:31:19 | 13.81  | 49.62  | 32.45        | 8.68    | 8.01 | 4.3        | 3.47            | 102.6 |
| 491      | 8/16/2011 14:46:19 | 14.20  | 49.44  | 32.33        | 8.60    | 8.01 | 4.2        | 3.50            | 102.3 |
| 492      | 8/16/2011 15:01:19 | 14.11  | 49.71  | 32.53        | 8.51    | 8.00 | 5.0        | 3.50            | 101.1 |
| 493      | 8/16/2011 15:16:18 | 13.94  | 49.65  | 32.48        | 8.56    | 7.93 | 4.6        | 3.47            | 101.3 |
| 494      | 8/16/2011 15:31:18 | 13.96  | 49.62  | 32.46        | 8.58    | 7.94 | 6.3        | 3.41            | 101.6 |
| 495      | 8/16/2011 15:46:19 | 15.90  | 49.65  | 32.53        | 8.89    | 8.05 | 7.0        | 3.34            | 109.6 |
| 496      | 8/16/2011 16:01:18 | 16.15  | 49.61  | 32.50        | 8.88    | 7.96 | 6.8        | 3.27            | 110.0 |
| 497      | 8/16/2011 16:16:18 | 16.63  | 49.59  | 32.50        | 8.88    | 7.96 | 7.9        | 3.16            | 111.0 |
| 498      | 8/16/2011 16:31:18 | 16.43  | 49.63  | 32.52        | 8.79    | 7.95 | 9.1        | 3.06            | 109.4 |
| 499      | 8/16/2011 16:46:19 | 16.79  | 49.62  | 32.52        | 8.73    | 8.04 | 8.0        | 2.96            | 109.5 |
| 500      | 8/16/2011 17:01:18 | 17.02  | 49.64  | 32.53        | 8.68    | 7.95 | 8.7        | 2.88            | 109.3 |
| 501      | 8/16/2011 17:16:18 | 17.50  | 49.62  | 32.52        | 8.83    | 8.03 | 8.5        | 2.78            | 112.2 |
| 502      | 8/16/2011 17:31:18 | 17.81  | 49.62  | 32.53        | 8.91    | 8.03 | 8.8        | 2.69            | 113.9 |
| 503      | 8/16/2011 17:46:18 | 18.06  | 49.65  | 32.55        | 8.93    | 8.04 | 7.4        | 2.59            | 114.8 |
| 504      | 8/16/2011 18:01:18 | 18.42  | 49.62  | 32.53        | 9.28    | 8.00 | 7.3        | 2.50            | 120.0 |
| 505      | 8/16/2011 18:16:18 | 18.53  | 49.64  | 32.55        | 9.29    | 8.00 | 7.4        | 2.41            | 120.4 |
| 506      | 8/16/2011 18:31:18 | 18.34  | 49.63  | 32.53        | 10.04   | 8.04 | 6.7        | 2.32            | 129.6 |
| 507      | 8/16/2011 18:46:18 | 18.20  | 49.66  | 32.56        | 10.26   | 8.05 | 5.9        | 2.23            | 132.3 |
| 508      | 8/16/2011 19:01:18 | 18.11  | 49.66  | 32.55        | 10.26   | 8.05 | 5.9        | 2.15            | 132.0 |
| 509      | 8/16/2011 19:16:18 | 18.42  | 49.61  | 32.52        | 10.19   | 8.12 | 5.7        | 2.06            | 131.8 |
| 510      | 8/16/2011 19:31:18 | 18.60  | 49.65  | 32.55        | 10.06   | 8.11 | 5.5        | 1.98            | 130.6 |
| 511      | 8/16/2011 19:46:18 | 18.84  | 49.69  | 32.58        | 9.84    | 8.11 | 4.9        | 1.95            | 128.3 |
| 512      | 8/16/2011 20:01:18 | 19.09  | 49.73  | 32.61        | 9.72    | 8.04 | 4.5        | 1.90            | 127.4 |
| 513      | 8/16/2011 20:16:18 | 19.40  | 49.71  | 32.60        | 9.55    | 8.02 | 4.0        | 1.87            | 125.9 |
| 514      | 8/16/2011 20:31:18 | 19.73  | 49.75  | 32.62        | 9.46    | 8.11 | 3.4        | 1.86            | 125.5 |
| 515      | 8/16/2011 20:46:18 | 19.78  | 49.78  | 32.65        | 9.66    | 8.04 | 3.7        | 1.90            | 128.3 |
| 516      | 8/16/2011 21:01:18 | 19.73  | 49.78  | 32.65        | 9.70    | 8.10 | 3.6        | 1.92            | 128.7 |
| 517      | 8/16/2011 21:16:18 | 19.58  | 49.76  | 32.64        | 9.61    | 8.03 | 4.6        | 1.97            | 127.1 |
| 518      | 8/16/2011 21:31:18 | 19.56  | 49.75  | 32.63        | 9.60    | 8.02 | 4.5        | 2.05            | 126.9 |
| 519      | 8/16/2011 21:46:18 | 19.54  | 49.72  | 32.60        | 9.42    | 8.01 | 5.7        | 2.12            | 124.5 |
| 520      | 8/16/2011 22:01:18 | 19.89  | 49.65  | 32.55        | 9.09    | 7.99 | 8.1        | 2.19            | 120.9 |
| 521      | 8/16/2011 22:16:18 | 19.66  | 49.65  | 32.55        | 9.10    | 7.99 | 7.3        | 2.26            | 120.6 |
| 522      | 8/16/2011 22:31:18 | 19.28  | 49.68  | 32.57        | 9.13    | 7.98 | 5.4        | 2.34            | 120.0 |
| 523      | 8/16/2011 22:46:18 | 19.06  | 49.67  | 32.57        | 9.10    | 7.98 | 5.0        | 2.42            | 119.1 |
| 524      | 8/16/2011 23:01:18 | 18.74  | 49.67  | 32.56        | 9.02    | 7.97 | 5.3        | 2.48            | 117.4 |
| 525      | 8/16/2011 23:16:18 | 18.50  | 49.65  | 32.55        | 8.84    | 7.95 | 5.4        | 2.56            | 114.5 |
| 526      | 8/16/2011 23:31:18 | 17.92  | 49.63  | 32.54        | 8.28    | 7.97 | 5.7        | 2.64            | 106.2 |
| 527      | 8/16/2011 23:46:18 | 17.68  | 49.62  | 32.53        | 8.13    | 7.90 | 5.1        | 2.70            | 103.7 |
| 528      | 8/17/2011 00:01:18 | 17.46  | 49.62  | 32.52        | 8.10    | 7.89 | 5.1        | 2.77            | 102.9 |
| 529      | 8/17/2011 00:16:18 | 17.33  | 49.62  | 32.52        | 8.05    | 7.89 | 5.0        | 2.83            | 102.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 530      | 8/17/2011 00:31:18 | 17.17  | 49.62  | 32.52        | 8.08    | 7.89 | 5.6        | 2.91            | 102.0 |
| 531      | 8/17/2011 00:46:18 | 16.74  | 49.59  | 32.49        | 8.13    | 7.89 | 5.5        | 2.98            | 101.8 |
| 532      | 8/17/2011 01:01:18 | 16.45  | 49.61  | 32.51        | 8.16    | 7.90 | 6.0        | 3.04            | 101.7 |
| 533      | 8/17/2011 01:16:18 | 16.23  | 49.58  | 32.48        | 8.17    | 7.90 | 5.2        | 3.10            | 101.3 |
| 534      | 8/17/2011 01:31:18 | 15.82  | 49.59  | 32.48        | 8.23    | 7.90 | 5.4        | 3.17            | 101.3 |
| 535      | 8/17/2011 01:46:18 | 15.46  | 49.60  | 32.48        | 8.26    | 7.90 | 5.1        | 3.23            | 100.8 |
| 536      | 8/17/2011 02:01:18 | 15.24  | 49.62  | 32.49        | 8.23    | 7.90 | 4.4        | 3.27            | 100.1 |
| 537      | 8/17/2011 02:16:18 | 15.12  | 49.63  | 32.50        | 8.18    | 7.90 | 3.8        | 3.32            | 99.2  |
| 538      | 8/17/2011 02:31:19 | 14.77  | 49.65  | 32.50        | 8.23    | 7.98 | 3.7        | 3.35            | 99.1  |
| 539      | 8/17/2011 02:46:18 | 15.44  | 49.31  | 32.27        | 8.12    | 7.89 | 4.0        | 3.35            | 99.0  |
| 540      | 8/17/2011 03:01:18 | 14.91  | 49.63  | 32.49        | 7.99    | 7.88 | 4.0        | 3.33            | 96.6  |
| 541      | 8/17/2011 03:16:18 | 14.83  | 49.61  | 32.47        | 8.04    | 7.89 | 3.7        | 3.32            | 97.0  |
| 542      | 8/17/2011 03:31:18 | 15.25  | 49.69  | 32.54        | 7.93    | 7.89 | 4.3        | 3.27            | 96.4  |
| 543      | 8/17/2011 03:46:18 | 15.99  | 49.60  | 32.49        | 7.77    | 7.88 | 5.7        | 3.19            | 95.9  |
| 544      | 8/17/2011 04:01:18 | 16.26  | 49.61  | 32.50        | 7.72    | 7.88 | 5.7        | 3.12            | 95.8  |
| 545      | 8/17/2011 04:16:18 | 16.38  | 49.58  | 32.48        | 7.64    | 7.87 | 6.7        | 3.03            | 95.0  |
| 546      | 8/17/2011 04:31:18 | 16.64  | 49.64  | 32.53        | 7.66    | 7.88 | 7.4        | 2.94            | 95.8  |
| 547      | 8/17/2011 04:46:18 | 17.11  | 49.65  | 32.54        | 7.37    | 7.87 | 6.8        | 2.85            | 93.0  |
| 548      | 8/17/2011 05:01:18 | 17.14  | 49.70  | 32.58        | 7.50    | 7.88 | 5.7        | 2.75            | 94.7  |
| 549      | 8/17/2011 05:16:18 | 17.48  | 49.70  | 32.58        | 7.34    | 7.87 | 5.7        | 2.66            | 93.2  |
| 550      | 8/17/2011 05:31:18 | 17.61  | 49.73  | 32.60        | 7.05    | 7.91 | 6.5        | 2.57            | 89.8  |
| 551      | 8/17/2011 05:46:18 | 17.51  | 49.71  | 32.59        | 6.97    | 7.83 | 7.0        | 2.47            | 88.6  |
| 552      | 8/17/2011 06:01:18 | 17.30  | 49.70  | 32.58        | 7.19    | 7.85 | 6.8        | 2.38            | 91.1  |
| 553      | 8/17/2011 06:16:18 | 17.34  | 49.65  | 32.54        | 7.09    | 7.85 | 7.6        | 2.27            | 89.8  |
| 554      | 8/17/2011 06:31:18 | 17.32  | 49.71  | 32.59        | 7.11    | 7.91 | 6.8        | 2.19            | 90.1  |
| 555      | 8/17/2011 06:46:18 | 17.61  | 49.77  | 32.64        | 7.10    | 7.86 | 6.3        | 2.09            | 90.5  |
| 556      | 8/17/2011 07:01:18 | 17.77  | 49.74  | 32.61        | 7.18    | 7.93 | 6.3        | 1.99            | 91.9  |
| 557      | 8/17/2011 07:16:18 | 17.91  | 49.76  | 32.63        | 7.18    | 7.93 | 5.8        | 1.91            | 92.0  |
| 558      | 8/17/2011 07:31:19 | 18.08  | 49.82  | 32.67        | 7.19    | 7.96 | 5.2        | 1.84            | 92.5  |
| 559      | 8/17/2011 07:46:19 | 18.27  | 49.82  | 32.67        | 7.23    | 7.97 | 4.8        | 1.79            | 93.3  |
| 560      | 8/17/2011 08:01:18 | 18.50  | 49.79  | 32.65        | 7.25    | 7.88 | 4.3        | 1.73            | 94.0  |
| 561      | 8/17/2011 08:16:18 | 18.69  | 49.82  | 32.68        | 7.41    | 7.90 | 4.0        | 1.72            | 96.5  |
| 562      | 8/17/2011 08:31:18 | 18.72  | 49.82  | 32.68        | 7.46    | 7.90 | 3.7        | 1.72            | 97.1  |
| 563      | 8/17/2011 08:46:18 | 18.68  | 49.82  | 32.68        | 7.41    | 7.89 | 4.3        | 1.71            | 96.4  |
| 564      | 8/17/2011 09:01:18 | 18.82  | 49.83  | 32.68        | 7.45    | 7.91 | 3.7        | 1.75            | 97.3  |
| 565      | 8/17/2011 09:16:18 | 18.74  | 49.83  | 32.68        | 7.47    | 7.90 | 4.0        | 1.81            | 97.3  |
| 566      | 8/17/2011 09:31:18 | 18.79  | 49.83  | 32.69        | 7.43    | 7.90 | 4.2        | 1.87            | 96.9  |
| 567      | 8/17/2011 09:46:18 | 18.72  | 49.81  | 32.67        | 7.46    | 7.90 | 4.9        | 1.94            | 97.2  |
| 568      | 8/17/2011 10:01:18 | 18.74  | 49.73  | 32.61        | 7.28    | 7.89 | 6.1        | 2.02            | 94.8  |
| 569      | 8/17/2011 10:16:18 | 18.81  | 49.67  | 32.56        | 7.13    | 7.94 | 7.9        | 2.11            | 92.9  |
| 570      | 8/17/2011 10:31:18 | 18.53  | 49.73  | 32.61        | 7.27    | 7.88 | 7.0        | 2.18            | 94.2  |
| 571      | 8/17/2011 10:46:18 | 18.41  | 49.73  | 32.61        | 7.29    | 7.94 | 5.9        | 2.25            | 94.4  |
| 572      | 8/17/2011 11:01:18 | 18.25  | 49.72  | 32.60        | 7.30    | 7.94 | 5.7        | 2.34            | 94.2  |
| 573      | 8/17/2011 11:16:18 | 18.04  | 49.73  | 32.61        | 7.27    | 7.93 | 6.2        | 2.42            | 93.5  |
| 574      | 8/17/2011 11:31:18 | 17.72  | 49.64  | 32.54        | 7.38    | 7.86 | 6.0        | 2.50            | 94.2  |
| 575      | 8/17/2011 11:46:18 | 17.61  | 49.71  | 32.59        | 7.41    | 7.86 | 5.9        | 2.58            | 94.4  |
| 576      | 8/17/2011 12:01:18 | 17.50  | 49.69  | 32.58        | 7.41    | 7.86 | 6.5        | 2.67            | 94.3  |
| 577      | 8/17/2011 12:16:18 | 17.33  | 49.69  | 32.57        | 7.45    | 7.86 | 6.5        | 2.74            | 94.4  |
| 578      | 8/17/2011 12:31:18 | 17.11  | 49.69  | 32.57        | 7.48    | 7.92 | 6.9        | 2.82            | 94.4  |
| 579      | 8/17/2011 12:46:18 | 16.83  | 49.69  | 32.57        | 7.53    | 7.86 | 7.6        | 2.90            | 94.5  |
| 580      | 8/17/2011 13:01:18 | 16.64  | 49.65  | 32.54        | 7.57    | 7.86 | 7.9        | 2.98            | 94.7  |
| 581      | 8/17/2011 13:16:18 | 16.38  | 49.67  | 32.55        | 7.62    | 7.87 | 8.7        | 3.07            | 94.8  |
| 582      | 8/17/2011 13:31:18 | 15.84  | 49.61  | 32.49        | 7.82    | 7.87 | 9.3        | 3.14            | 96.2  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 583      | 8/17/2011 13:46:18 | 15.45  | 49.64  | 32.51        | 7.96    | 7.88 | 8.4        | 3.22            | 97.3  |
| 584      | 8/17/2011 14:01:18 | 15.04  | 49.65  | 32.51        | 8.09    | 7.89 | 7.9        | 3.29            | 98.0  |
| 585      | 8/17/2011 14:16:18 | 14.57  | 49.59  | 32.45        | 8.27    | 7.91 | 7.1        | 3.36            | 99.2  |
| 586      | 8/17/2011 14:31:18 | 14.29  | 49.64  | 32.48        | 8.46    | 7.92 | 6.7        | 3.42            | 101.0 |
| 587      | 8/17/2011 14:46:19 | 14.13  | 49.65  | 32.48        | 8.61    | 8.00 | 5.6        | 3.46            | 102.4 |
| 588      | 8/17/2011 15:01:18 | 14.03  | 49.65  | 32.48        | 8.68    | 7.94 | 3.7        | 3.49            | 103.0 |
| 589      | 8/17/2011 15:16:19 | 14.64  | 49.61  | 32.47        | 8.56    | 8.00 | 4.8        | 3.50            | 102.8 |
| 590      | 8/17/2011 15:31:18 | 14.14  | 49.66  | 32.49        | 8.51    | 7.93 | 4.5        | 3.49            | 101.2 |
| 591      | 8/17/2011 15:46:19 | 14.17  | 49.63  | 32.47        | 8.62    | 8.00 | 5.1        | 3.46            | 102.5 |
| 592      | 8/17/2011 16:01:19 | 14.35  | 49.61  | 32.46        | 8.49    | 8.00 | 5.5        | 3.41            | 101.4 |
| 593      | 8/17/2011 16:16:18 | 15.81  | 49.70  | 32.56        | 8.62    | 7.95 | 6.3        | 3.33            | 106.1 |
| 594      | 8/17/2011 16:31:18 | 16.18  | 49.60  | 32.49        | 8.41    | 7.93 | 7.3        | 3.25            | 104.2 |
| 595      | 8/17/2011 16:46:18 | 16.27  | 49.58  | 32.48        | 8.36    | 7.92 | 7.2        | 3.17            | 103.7 |
| 596      | 8/17/2011 17:01:18 | 16.55  | 49.67  | 32.55        | 8.26    | 7.98 | 8.1        | 3.08            | 103.1 |
| 597      | 8/17/2011 17:16:18 | 16.83  | 49.68  | 32.56        | 8.29    | 7.92 | 8.6        | 2.97            | 104.0 |
| 598      | 8/17/2011 17:31:18 | 17.20  | 49.70  | 32.58        | 8.51    | 7.94 | 8.3        | 2.88            | 107.6 |
| 599      | 8/17/2011 17:46:18 | 17.49  | 49.69  | 32.57        | 8.53    | 8.01 | 7.5        | 2.80            | 108.5 |
| 600      | 8/17/2011 18:01:18 | 17.86  | 49.70  | 32.59        | 8.51    | 8.01 | 8.1        | 2.70            | 109.0 |
| 601      | 8/17/2011 18:16:18 | 18.03  | 49.72  | 32.60        | 8.44    | 8.01 | 7.6        | 2.60            | 108.4 |
| 602      | 8/17/2011 18:31:18 | 17.88  | 49.73  | 32.61        | 8.92    | 8.04 | 7.8        | 2.51            | 114.2 |
| 603      | 8/17/2011 18:46:18 | 17.40  | 49.73  | 32.60        | 9.31    | 8.05 | 9.3        | 2.43            | 118.2 |
| 604      | 8/17/2011 19:01:18 | 17.26  | 49.83  | 32.67        | 9.54    | 8.00 | 8.6        | 2.34            | 120.8 |
| 605      | 8/17/2011 19:16:18 | 17.59  | 49.70  | 32.59        | 9.48    | 8.07 | 9.5        | 2.25            | 120.8 |
| 606      | 8/17/2011 19:31:18 | 17.83  | 49.73  | 32.61        | 9.33    | 8.06 | 10.7       | 2.16            | 119.5 |
| 607      | 8/17/2011 19:46:18 | 17.99  | 49.77  | 32.64        | 9.15    | 8.06 | 10.9       | 2.08            | 117.5 |
| 608      | 8/17/2011 20:01:18 | 18.13  | 49.78  | 32.64        | 9.02    | 8.05 | 9.9        | 2.01            | 116.2 |
| 609      | 8/17/2011 20:16:18 | 18.21  | 49.79  | 32.65        | 8.88    | 8.05 | 8.2        | 1.94            | 114.5 |
| 610      | 8/17/2011 20:31:18 | 18.49  | 49.79  | 32.66        | 8.74    | 8.04 | 6.8        | 1.89            | 113.3 |
| 611      | 8/17/2011 20:46:18 | 18.68  | 49.81  | 32.67        | 8.59    | 8.03 | 4.6        | 1.87            | 111.8 |
| 612      | 8/17/2011 21:01:18 | 19.10  | 49.83  | 32.68        | 8.62    | 7.98 | 3.5        | 1.86            | 113.0 |
| 613      | 8/17/2011 21:16:18 | 19.03  | 49.83  | 32.68        | 8.39    | 8.03 | 3.5        | 1.86            | 109.9 |
| 614      | 8/17/2011 21:31:18 | 19.21  | 49.82  | 32.68        | 8.75    | 7.99 | 3.5        | 1.88            | 115.0 |
| 615      | 8/17/2011 21:46:18 | 19.07  | 49.85  | 32.70        | 8.73    | 7.98 | 3.5        | 1.91            | 114.4 |
| 616      | 8/17/2011 22:01:18 | 19.15  | 49.80  | 32.66        | 8.80    | 8.05 | 4.3        | 1.97            | 115.5 |
| 617      | 8/17/2011 22:16:18 | 19.05  | 49.79  | 32.65        | 8.76    | 8.05 | 4.3        | 2.02            | 114.7 |
| 618      | 8/17/2011 22:31:18 | 18.99  | 49.82  | 32.68        | 8.64    | 8.03 | 4.9        | 2.09            | 113.1 |
| 619      | 8/17/2011 22:46:18 | 19.21  | 49.69  | 32.58        | 8.36    | 8.02 | 7.1        | 2.17            | 109.8 |
| 620      | 8/17/2011 23:01:18 | 19.18  | 49.75  | 32.63        | 8.33    | 7.94 | 7.1        | 2.23            | 109.4 |
| 621      | 8/17/2011 23:16:18 | 18.90  | 49.74  | 32.62        | 8.38    | 8.00 | 5.7        | 2.29            | 109.4 |
| 622      | 8/17/2011 23:31:18 | 18.75  | 49.77  | 32.64        | 8.35    | 8.00 | 5.5        | 2.37            | 108.8 |
| 623      | 8/17/2011 23:46:18 | 18.56  | 49.75  | 32.63        | 8.32    | 7.99 | 5.1        | 2.42            | 108.0 |
| 624      | 8/18/2011 00:01:18 | 18.43  | 49.75  | 32.63        | 8.29    | 7.99 | 5.2        | 2.50            | 107.3 |
| 625      | 8/18/2011 00:16:18 | 17.95  | 49.73  | 32.61        | 8.00    | 7.96 | 5.4        | 2.57            | 102.7 |
| 626      | 8/18/2011 00:31:18 | 17.74  | 49.67  | 32.56        | 7.88    | 7.95 | 5.4        | 2.63            | 100.6 |
| 627      | 8/18/2011 00:46:18 | 17.53  | 49.73  | 32.60        | 7.79    | 7.94 | 5.2        | 2.68            | 99.1  |
| 628      | 8/18/2011 01:01:18 | 17.35  | 49.68  | 32.57        | 7.74    | 7.88 | 4.8        | 2.75            | 98.1  |
| 629      | 8/18/2011 01:16:18 | 17.20  | 49.72  | 32.59        | 7.72    | 7.87 | 5.2        | 2.81            | 97.6  |
| 630      | 8/18/2011 01:31:18 | 17.12  | 49.70  | 32.58        | 7.72    | 7.87 | 5.2        | 2.87            | 97.5  |
| 631      | 8/18/2011 01:46:18 | 16.83  | 49.65  | 32.54        | 7.75    | 8.03 | 5.6        | 2.93            | 97.2  |
| 632      | 8/18/2011 02:01:18 | 16.62  | 49.69  | 32.57        | 7.74    | 7.87 | 4.9        | 2.97            | 96.8  |
| 633      | 8/18/2011 02:16:18 | 16.43  | 49.69  | 32.56        | 7.75    | 7.87 | 5.1        | 3.03            | 96.5  |
| 634      | 8/18/2011 02:31:18 | 16.28  | 49.70  | 32.57        | 7.71    | 7.87 | 4.8        | 3.07            | 95.8  |
| 635      | 8/18/2011 02:46:19 | 16.01  | 49.69  | 32.55        | 7.75    | 7.95 | 4.5        | 3.11            | 95.7  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%  |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                    |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |      |
| 636      | 8/18/2011 03:01:18 | 15.85  | 49.69  | 32.55        | 7.75    | 7.88 | 4.6        | 3.14            | 95.4 |
| 637      | 8/18/2011 03:16:18 | 15.80  | 49.71  | 32.57        | 7.69    | 7.87 | 4.2        | 3.17            | 94.6 |
| 638      | 8/18/2011 03:31:18 | 16.02  | 49.69  | 32.55        | 7.62    | 7.86 | 4.3        | 3.18            | 94.2 |
| 639      | 8/18/2011 03:46:18 | 15.72  | 49.74  | 32.59        | 7.52    | 7.85 | 3.8        | 3.17            | 92.3 |
| 640      | 8/18/2011 04:01:18 | 15.75  | 49.70  | 32.56        | 7.51    | 7.86 | 3.8        | 3.14            | 92.3 |
| 641      | 8/18/2011 04:16:18 | 16.03  | 49.67  | 32.54        | 7.54    | 7.86 | 4.8        | 3.10            | 93.1 |
| 642      | 8/18/2011 04:31:18 | 16.58  | 49.60  | 32.50        | 7.38    | 7.86 | 6.0        | 3.05            | 92.2 |
| 643      | 8/18/2011 04:46:18 | 16.88  | 49.69  | 32.57        | 7.09    | 7.84 | 6.6        | 2.97            | 89.0 |
| 644      | 8/18/2011 05:01:18 | 16.93  | 49.77  | 32.63        | 6.89    | 7.82 | 7.0        | 2.89            | 86.7 |
| 645      | 8/18/2011 05:16:18 | 16.88  | 49.73  | 32.60        | 7.04    | 7.83 | 9.7        | 2.82            | 88.5 |
| 646      | 8/18/2011 05:31:18 | 17.04  | 49.77  | 32.63        | 7.11    | 7.84 | 6.1        | 2.73            | 89.7 |
| 647      | 8/18/2011 05:46:18 | 17.11  | 49.73  | 32.60        | 6.95    | 7.83 | 7.3        | 2.65            | 87.7 |
| 648      | 8/18/2011 06:01:18 | 17.33  | 49.79  | 32.65        | 6.85    | 7.83 | 5.4        | 2.57            | 86.8 |
| 649      | 8/18/2011 06:16:18 | 17.45  | 49.80  | 32.66        | 6.67    | 7.88 | 5.8        | 2.49            | 84.8 |
| 650      | 8/18/2011 06:31:18 | 17.10  | 49.81  | 32.66        | 6.59    | 7.81 | 5.9        | 2.41            | 83.2 |
| 651      | 8/18/2011 06:46:18 | 17.05  | 49.68  | 32.56        | 6.68    | 7.80 | 5.7        | 2.32            | 84.2 |
| 652      | 8/18/2011 07:01:18 | 17.30  | 49.75  | 32.62        | 6.62    | 7.88 | 5.8        | 2.25            | 83.9 |
| 653      | 8/18/2011 07:16:18 | 17.26  | 49.83  | 32.67        | 6.62    | 7.87 | 5.7        | 2.16            | 83.9 |
| 654      | 8/18/2011 07:31:18 | 17.45  | 49.81  | 32.67        | 6.68    | 7.88 | 5.1        | 2.09            | 84.9 |
| 655      | 8/18/2011 07:46:18 | 17.65  | 49.82  | 32.67        | 6.74    | 7.89 | 4.6        | 2.02            | 86.1 |
| 656      | 8/18/2011 08:01:18 | 17.66  | 49.81  | 32.66        | 6.74    | 7.89 | 4.6        | 1.95            | 86.0 |
| 657      | 8/18/2011 08:16:18 | 17.93  | 49.80  | 32.66        | 6.84    | 7.92 | 4.2        | 1.92            | 87.8 |
| 658      | 8/18/2011 08:31:18 | 18.10  | 49.88  | 32.72        | 6.84    | 7.91 | 3.8        | 1.88            | 88.1 |
| 659      | 8/18/2011 08:46:18 | 18.28  | 49.86  | 32.71        | 6.93    | 7.92 | 3.4        | 1.86            | 89.6 |
| 660      | 8/18/2011 09:01:18 | 18.29  | 49.81  | 32.66        | 6.93    | 7.92 | 3.1        | 1.85            | 89.4 |
| 661      | 8/18/2011 09:16:18 | 18.32  | 49.85  | 32.70        | 6.93    | 7.92 | 3.5        | 1.86            | 89.6 |
| 662      | 8/18/2011 09:31:18 | 18.27  | 49.88  | 32.72        | 6.94    | 7.92 | 3.6        | 1.90            | 89.6 |
| 663      | 8/18/2011 09:46:18 | 18.29  | 49.88  | 32.72        | 6.97    | 7.92 | 4.0        | 1.94            | 90.1 |
| 664      | 8/18/2011 10:01:18 | 18.32  | 49.87  | 32.71        | 7.01    | 7.92 | 4.1        | 1.99            | 90.7 |
| 665      | 8/18/2011 10:16:18 | 18.27  | 49.85  | 32.69        | 6.98    | 7.92 | 4.6        | 2.06            | 90.1 |
| 666      | 8/18/2011 10:31:18 | 18.23  | 49.83  | 32.69        | 6.89    | 7.91 | 5.9        | 2.13            | 88.9 |
| 667      | 8/18/2011 10:46:19 | 18.24  | 49.79  | 32.65        | 6.80    | 7.90 | 7.4        | 2.20            | 87.7 |
| 668      | 8/18/2011 11:01:18 | 18.10  | 49.82  | 32.68        | 6.96    | 7.91 | 5.3        | 2.27            | 89.5 |
| 669      | 8/18/2011 11:16:19 | 17.98  | 49.83  | 32.68        | 7.00    | 7.91 | 5.6        | 2.35            | 89.9 |
| 670      | 8/18/2011 11:31:18 | 17.89  | 49.81  | 32.67        | 7.00    | 7.90 | 5.2        | 2.42            | 89.8 |
| 671      | 8/18/2011 11:46:19 | 17.71  | 49.81  | 32.67        | 6.89    | 7.89 | 5.6        | 2.49            | 88.0 |
| 672      | 8/18/2011 12:01:18 | 17.50  | 49.79  | 32.65        | 6.98    | 7.89 | 6.0        | 2.57            | 88.8 |
| 673      | 8/18/2011 12:16:18 | 17.38  | 49.77  | 32.63        | 7.07    | 7.83 | 6.0        | 2.64            | 89.7 |
| 674      | 8/18/2011 12:31:18 | 17.24  | 49.76  | 32.63        | 7.14    | 7.84 | 5.8        | 2.72            | 90.4 |
| 675      | 8/18/2011 12:46:18 | 17.08  | 49.77  | 32.63        | 7.25    | 7.84 | 6.1        | 2.79            | 91.5 |
| 676      | 8/18/2011 13:01:18 | 16.91  | 49.76  | 32.62        | 7.32    | 7.85 | 6.2        | 2.86            | 92.0 |
| 677      | 8/18/2011 13:16:19 | 16.69  | 49.74  | 32.61        | 7.34    | 7.92 | 6.4        | 2.94            | 91.9 |
| 678      | 8/18/2011 13:31:18 | 16.50  | 49.74  | 32.60        | 7.34    | 7.85 | 7.4        | 3.02            | 91.6 |
| 679      | 8/18/2011 13:46:18 | 16.14  | 49.70  | 32.57        | 7.39    | 7.85 | 7.7        | 3.09            | 91.5 |
| 680      | 8/18/2011 14:01:18 | 15.56  | 49.70  | 32.55        | 7.57    | 7.85 | 7.9        | 3.16            | 92.7 |
| 681      | 8/18/2011 14:16:19 | 15.30  | 49.71  | 32.56        | 7.67    | 7.93 | 6.8        | 3.22            | 93.5 |
| 682      | 8/18/2011 14:31:18 | 15.01  | 49.72  | 32.56        | 7.75    | 7.87 | 6.5        | 3.29            | 93.9 |
| 683      | 8/18/2011 14:46:18 | 14.73  | 49.73  | 32.56        | 7.83    | 7.87 | 5.4        | 3.35            | 94.3 |
| 684      | 8/18/2011 15:01:18 | 14.50  | 49.72  | 32.55        | 7.92    | 7.88 | 4.7        | 3.40            | 94.9 |
| 685      | 8/18/2011 15:16:18 | 14.31  | 49.77  | 32.57        | 7.99    | 7.89 | 4.4        | 3.44            | 95.4 |
| 686      | 8/18/2011 15:31:18 | 14.12  | 49.73  | 32.54        | 8.02    | 7.89 | 3.7        | 3.47            | 95.4 |
| 687      | 8/18/2011 15:46:18 | 14.36  | 49.80  | 32.60        | 7.89    | 7.87 | 3.5        | 3.46            | 94.4 |
| 688      | 8/18/2011 16:01:19 | 14.12  | 49.78  | 32.58        | 7.84    | 7.93 | 4.2        | 3.45            | 93.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 689      | 8/18/2011 16:16:18 | 14.20  | 49.77           | 32.57        | 7.94            | 7.89 | 4.3               | 3.42            | 94.6  |
| 690      | 8/18/2011 16:31:19 | 14.45  | 49.71           | 32.54        | 7.85            | 7.94 | 5.1               | 3.37            | 93.9  |
| 691      | 8/18/2011 16:46:19 | 15.96  | 49.74           | 32.59        | 8.15            | 7.97 | 5.9               | 3.31            | 100.6 |
| 692      | 8/18/2011 17:01:18 | 16.05  | 49.69           | 32.56        | 8.13            | 7.90 | 6.3               | 3.23            | 100.4 |
| 693      | 8/18/2011 17:16:18 | 16.36  | 49.73           | 32.59        | 8.34            | 7.91 | 6.0               | 3.14            | 103.7 |
| 694      | 8/18/2011 17:31:18 | 16.47  | 49.73           | 32.59        | 8.24            | 7.91 | 7.1               | 3.06            | 102.7 |
| 695      | 8/18/2011 17:46:18 | 16.51  | 49.77           | 32.62        | 8.43            | 7.92 | 6.2               | 2.98            | 105.2 |
| 696      | 8/18/2011 18:01:19 | 16.57  | 49.89           | 32.71        | 8.70            | 8.01 | 5.7               | 2.88            | 108.7 |
| 697      | 8/18/2011 18:16:19 | 16.63  | 49.79           | 32.64        | 8.75            | 8.01 | 6.1               | 2.80            | 109.5 |
| 698      | 8/18/2011 18:31:18 | 17.01  | 49.80           | 32.65        | 8.84            | 7.95 | 5.7               | 2.71            | 111.4 |
| 699      | 8/18/2011 18:46:18 | 17.25  | 49.78           | 32.64        | 8.85            | 8.01 | 6.0               | 2.63            | 112.1 |
| 700      | 8/18/2011 19:01:18 | 17.26  | 49.82           | 32.67        | 9.02            | 8.02 | 6.1               | 2.53            | 114.3 |
| 701      | 8/18/2011 19:16:18 | 17.50  | 49.72           | 32.60        | 9.01            | 8.02 | 5.9               | 2.44            | 114.5 |
| 702      | 8/18/2011 19:31:18 | 17.71  | 49.85           | 32.70        | 8.87            | 8.02 | 6.2               | 2.37            | 113.3 |
| 703      | 8/18/2011 19:46:18 | 17.54  | 49.76           | 32.63        | 9.01            | 8.03 | 6.5               | 2.27            | 114.8 |
| 704      | 8/18/2011 20:01:18 | 17.81  | 49.78           | 32.64        | 8.82            | 8.02 | 6.3               | 2.18            | 112.9 |
| 705      | 8/18/2011 20:16:18 | 17.89  | 49.80           | 32.66        | 8.70            | 8.01 | 6.0               | 2.11            | 111.5 |
| 706      | 8/18/2011 20:31:18 | 17.94  | 49.86           | 32.70        | 8.61            | 8.01 | 5.5               | 2.04            | 110.4 |
| 707      | 8/18/2011 20:46:18 | 18.17  | 49.88           | 32.72        | 8.51            | 8.01 | 6.8               | 1.95            | 109.7 |
| 708      | 8/18/2011 21:01:18 | 18.41  | 49.86           | 32.71        | 8.42            | 8.01 | 6.5               | 1.90            | 109.1 |
| 709      | 8/18/2011 21:16:18 | 18.76  | 49.89           | 32.72        | 8.41            | 8.01 | 4.4               | 1.88            | 109.6 |
| 710      | 8/18/2011 21:31:18 | 18.86  | 49.90           | 32.73        | 8.27            | 8.00 | 3.8               | 1.83            | 108.0 |
| 711      | 8/18/2011 21:46:18 | 18.98  | 49.94           | 32.76        | 8.23            | 7.99 | 6.0               | 1.81            | 107.7 |
| 712      | 8/18/2011 22:01:18 | 18.90  | 50.00           | 32.81        | 8.27            | 8.00 | 4.2               | 1.84            | 108.1 |
| 713      | 8/18/2011 22:16:18 | 19.12  | 49.94           | 32.77        | 8.60            | 8.02 | 7.6               | 1.85            | 112.9 |
| 714      | 8/18/2011 22:31:18 | 18.99  | 49.92           | 32.75        | 8.54            | 8.02 | 3.5               | 1.88            | 111.9 |
| 715      | 8/18/2011 22:46:18 | 19.05  | 49.94           | 32.76        | 8.68            | 8.02 | 4.0               | 1.92            | 113.7 |
| 716      | 8/18/2011 23:01:18 | 18.99  | 49.91           | 32.74        | 8.63            | 8.02 | 4.2               | 1.99            | 113.0 |
| 717      | 8/18/2011 23:16:18 | 18.99  | 49.88           | 32.72        | 8.48            | 8.01 | 9.2               | 2.04            | 111.1 |
| 718      | 8/18/2011 23:31:18 | 19.18  | 49.77           | 32.64        | 8.21            | 7.99 | 10.8              | 2.11            | 107.9 |
| 719      | 8/18/2011 23:46:18 | 19.08  | 49.84           | 32.69        | 8.25            | 7.99 | 6.5               | 2.17            | 108.2 |
| 720      | 8/19/2011 00:01:18 | 18.92  | 49.84           | 32.69        | 8.32            | 7.99 | 5.4               | 2.24            | 108.7 |
| 721      | 8/19/2011 00:16:18 | 18.79  | 49.84           | 32.69        | 8.28            | 7.98 | 5.7               | 2.30            | 108.0 |
| 722      | 8/19/2011 00:31:18 | 18.68  | 49.85           | 32.70        | 8.26            | 7.98 | 5.4               | 2.34            | 107.5 |
| 723      | 8/19/2011 00:46:18 | 18.56  | 49.74           | 32.62        | 8.24            | 7.98 | 5.4               | 2.41            | 107.0 |
| 724      | 8/19/2011 01:01:18 | 18.23  | 49.83           | 32.69        | 8.09            | 7.96 | 5.9               | 2.48            | 104.4 |
| 725      | 8/19/2011 01:16:18 | 18.05  | 49.82           | 32.68        | 7.89            | 7.95 | 6.0               | 2.53            | 101.5 |
| 726      | 8/19/2011 01:31:18 | 17.83  | 49.81           | 32.67        | 7.71            | 7.93 | 5.9               | 2.58            | 98.7  |
| 727      | 8/19/2011 01:46:18 | 17.67  | 49.79           | 32.65        | 7.61            | 7.92 | 5.7               | 2.63            | 97.2  |
| 728      | 8/19/2011 02:01:18 | 17.47  | 49.79           | 32.65        | 7.63            | 7.92 | 5.3               | 2.69            | 97.0  |
| 729      | 8/19/2011 02:16:18 | 17.32  | 49.79           | 32.64        | 7.59            | 7.86 | 5.2               | 2.75            | 96.2  |
| 730      | 8/19/2011 02:31:18 | 17.19  | 49.78           | 32.64        | 7.62            | 7.86 | 4.7               | 2.80            | 96.4  |
| 731      | 8/19/2011 02:46:18 | 17.03  | 49.77           | 32.63        | 7.60            | 7.86 | 4.4               | 2.84            | 95.8  |
| 732      | 8/19/2011 03:01:18 | 16.86  | 49.76           | 32.62        | 7.60            | 8.01 | 6.0               | 2.89            | 95.4  |
| 733      | 8/19/2011 03:16:18 | 16.72  | 49.77           | 32.62        | 7.59            | 7.86 | 7.6               | 2.93            | 95.0  |
| 734      | 8/19/2011 03:31:18 | 16.63  | 49.78           | 32.63        | 7.51            | 7.86 | 4.0               | 2.96            | 94.0  |
| 735      | 8/19/2011 03:46:18 | 16.57  | 49.75           | 32.61        | 7.43            | 7.85 | 4.0               | 2.98            | 92.9  |
| 736      | 8/19/2011 04:01:18 | 16.35  | 49.78           | 32.63        | 7.49            | 7.85 | 15.4              | 3.00            | 93.2  |
| 737      | 8/19/2011 04:16:18 | 16.70  | 49.80           | 32.65        | 7.19            | 7.84 | 4.3               | 3.00            | 90.1  |
| 738      | 8/19/2011 04:31:18 | 16.40  | 49.81           | 32.65        | 7.25            | 7.83 | 3.8               | 2.98            | 90.2  |
| 739      | 8/19/2011 04:46:18 | 16.48  | 49.80           | 32.64        | 7.26            | 7.84 | 4.3               | 2.97            | 90.5  |
| 740      | 8/19/2011 05:01:18 | 16.67  | 49.72           | 32.59        | 7.22            | 7.84 | 5.4               | 2.92            | 90.3  |
| 741      | 8/19/2011 05:16:18 | 16.96  | 49.75           | 32.61        | 7.05            | 7.83 | 6.3               | 2.88            | 88.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 742      | 8/19/2011 05:31:18 | 17.08  | 49.90  | 32.72        | 6.54    | 7.84 | 6.0        | 2.82            | 82.6  |
| 743      | 8/19/2011 05:46:18 | 17.11  | 49.92  | 32.74        | 6.28    | 7.76 | 6.5        | 2.76            | 79.4  |
| 744      | 8/19/2011 06:01:18 | 17.05  | 49.88  | 32.71        | 6.30    | 7.75 | 7.6        | 2.69            | 79.5  |
| 745      | 8/19/2011 06:16:18 | 17.10  | 49.86  | 32.69        | 6.61    | 7.78 | 6.9        | 2.62            | 83.5  |
| 746      | 8/19/2011 06:31:18 | 17.02  | 49.82  | 32.66        | 6.57    | 7.78 | 5.8        | 2.56            | 82.8  |
| 747      | 8/19/2011 06:46:18 | 16.94  | 49.79  | 32.64        | 6.54    | 7.83 | 5.8        | 2.49            | 82.3  |
| 748      | 8/19/2011 07:01:18 | 17.17  | 49.83  | 32.67        | 6.51    | 7.78 | 57.3       | 2.42            | 82.3  |
| 749      | 8/19/2011 07:16:18 | 17.35  | 49.80  | 32.66        | 6.56    | 7.85 | 18.7       | 2.34            | 83.2  |
| 750      | 8/19/2011 07:31:18 | 17.47  | 49.82  | 32.67        | 6.66    | 7.86 | 8.1        | 2.29            | 84.6  |
| 751      | 8/19/2011 07:46:18 | 17.69  | 49.85  | 32.69        | 6.75    | 7.87 | 6.8        | 2.23            | 86.2  |
| 752      | 8/19/2011 08:01:18 | 17.58  | 49.85  | 32.70        | 6.68    | 7.86 | 7.4        | 2.16            | 85.1  |
| 753      | 8/19/2011 08:16:18 | 17.76  | 49.84  | 32.69        | 6.76    | 7.88 | 11.3       | 2.12            | 86.5  |
| 754      | 8/19/2011 08:31:18 | 17.98  | 49.86  | 32.70        | 6.85    | 7.89 | 5.9        | 2.09            | 87.9  |
| 755      | 8/19/2011 08:46:18 | 18.10  | 49.87  | 32.71        | 6.96    | 7.90 | 5.2        | 2.05            | 89.6  |
| 756      | 8/19/2011 09:01:18 | 18.25  | 49.87  | 32.71        | 6.83    | 7.90 | 7.0        | 2.02            | 88.1  |
| 757      | 8/19/2011 09:16:18 | 18.35  | 49.87  | 32.71        | 6.92    | 7.90 | 17.9       | 2.02            | 89.5  |
| 758      | 8/19/2011 09:31:18 | 18.34  | 49.90  | 32.74        | 6.85    | 7.90 | 36.3       | 2.03            | 88.6  |
| 759      | 8/19/2011 09:46:18 | 18.35  | 49.90  | 32.74        | 6.96    | 7.91 | 5.1        | 2.02            | 90.1  |
| 760      | 8/19/2011 10:01:18 | 18.32  | 49.91  | 32.74        | 6.95    | 7.91 | 6.8        | 2.04            | 89.9  |
| 761      | 8/19/2011 10:16:18 | 18.25  | 49.89  | 32.72        | 6.96    | 7.90 | 5.1        | 2.09            | 89.9  |
| 762      | 8/19/2011 10:31:18 | 18.23  | 49.88  | 32.72        | 7.00    | 7.90 | 10.6       | 2.14            | 90.3  |
| 763      | 8/19/2011 10:46:18 | 18.16  | 49.87  | 32.71        | 6.93    | 7.89 | 7.7        | 2.18            | 89.3  |
| 764      | 8/19/2011 11:01:18 | 18.11  | 49.85  | 32.69        | 6.91    | 7.89 | 6.2        | 2.24            | 88.9  |
| 765      | 8/19/2011 11:16:18 | 18.02  | 49.81  | 32.67        | 6.88    | 7.89 | 25.0       | 2.31            | 88.4  |
| 766      | 8/19/2011 11:31:18 | 17.97  | 49.85  | 32.69        | 6.89    | 7.89 | 7.1        | 2.37            | 88.5  |
| 767      | 8/19/2011 11:46:18 | 17.87  | 49.81  | 32.67        | 6.84    | 7.88 | 6.7        | 2.43            | 87.6  |
| 768      | 8/19/2011 12:01:18 | 17.78  | 49.83  | 32.68        | 6.87    | 7.88 | 8.6        | 2.49            | 87.9  |
| 769      | 8/19/2011 12:16:18 | 17.56  | 49.81  | 32.66        | 6.81    | 7.87 | 5.5        | 2.56            | 86.8  |
| 770      | 8/19/2011 12:31:18 | 17.39  | 49.78  | 32.64        | 6.86    | 7.87 | 6.2        | 2.62            | 87.1  |
| 771      | 8/19/2011 12:46:18 | 17.18  | 49.78  | 32.64        | 7.07    | 7.83 | 5.2        | 2.69            | 89.4  |
| 772      | 8/19/2011 13:01:18 | 17.08  | 49.78  | 32.64        | 7.17    | 7.83 | 5.6        | 2.75            | 90.5  |
| 773      | 8/19/2011 13:16:18 | 16.98  | 49.80  | 32.65        | 7.26    | 7.89 | 5.8        | 2.82            | 91.4  |
| 774      | 8/19/2011 13:31:18 | 16.86  | 49.79  | 32.64        | 7.30    | 7.84 | 5.7        | 2.90            | 91.7  |
| 775      | 8/19/2011 13:46:18 | 16.51  | 49.69  | 32.56        | 7.37    | 7.84 | 8.6        | 2.97            | 92.0  |
| 776      | 8/19/2011 14:01:18 | 16.23  | 49.77  | 32.62        | 7.43    | 7.84 | 11.2       | 3.03            | 92.3  |
| 777      | 8/19/2011 14:16:18 | 15.94  | 49.74  | 32.59        | 7.50    | 7.84 | 7.3        | 3.11            | 92.5  |
| 778      | 8/19/2011 14:31:18 | 15.46  | 49.74  | 32.58        | 7.64    | 7.85 | 7.0        | 3.17            | 93.4  |
| 779      | 8/19/2011 14:46:18 | 15.27  | 49.74  | 32.58        | 7.71    | 7.86 | 7.3        | 3.24            | 93.9  |
| 780      | 8/19/2011 15:01:18 | 15.01  | 49.74  | 32.57        | 7.83    | 7.87 | 5.9        | 3.29            | 94.8  |
| 781      | 8/19/2011 15:16:18 | 14.90  | 49.70  | 32.54        | 7.90    | 7.87 | 6.7        | 3.35            | 95.4  |
| 782      | 8/19/2011 15:31:19 | 14.78  | 49.74  | 32.57        | 7.96    | 7.93 | 6.5        | 3.38            | 95.9  |
| 783      | 8/19/2011 15:46:18 | 14.61  | 49.74  | 32.56        | 7.98    | 7.88 | 34.6       | 3.42            | 95.9  |
| 784      | 8/19/2011 16:01:18 | 14.53  | 49.75  | 32.57        | 7.96    | 7.88 | 24.0       | 3.43            | 95.5  |
| 785      | 8/19/2011 16:16:18 | 14.69  | 49.82  | 32.62        | 7.78    | 7.87 | 47.9       | 3.44            | 93.7  |
| 786      | 8/19/2011 16:31:18 | 14.60  | 49.75  | 32.57        | 7.83    | 7.88 | 4.8        | 3.42            | 94.0  |
| 787      | 8/19/2011 16:46:18 | 14.70  | 49.73  | 32.56        | 7.91    | 7.87 | 30.6       | 3.40            | 95.2  |
| 788      | 8/19/2011 17:01:18 | 15.08  | 49.72  | 32.56        | 7.79    | 7.87 | 7.0        | 3.35            | 94.4  |
| 789      | 8/19/2011 17:16:18 | 16.17  | 49.75  | 32.61        | 8.24    | 7.90 | 22.0       | 3.28            | 102.1 |
| 790      | 8/19/2011 17:31:18 | 16.26  | 49.77  | 32.62        | 8.24    | 7.96 | 11.4       | 3.22            | 102.3 |
| 791      | 8/19/2011 17:46:18 | 16.46  | 49.70  | 32.57        | 8.32    | 7.91 | 5.5        | 3.15            | 103.7 |
| 792      | 8/19/2011 18:01:18 | 16.49  | 49.80  | 32.65        | 8.31    | 7.91 | 6.5        | 3.07            | 103.7 |
| 793      | 8/19/2011 18:16:18 | 16.55  | 49.77  | 32.63        | 8.43    | 7.91 | 6.0        | 2.98            | 105.3 |
| 794      | 8/19/2011 18:31:18 | 16.69  | 49.84  | 32.68        | 8.54    | 7.92 | 5.9        | 2.91            | 106.9 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 795      | 8/19/2011 18:46:19 | 16.48  | 49.83  | 32.67        | 8.65    | 7.99 | 6.0        | 2.83            | 107.9 |
| 796      | 8/19/2011 19:01:19 | 16.66  | 49.80  | 32.65        | 8.64    | 8.00 | 6.3        | 2.75            | 108.2 |
| 797      | 8/19/2011 19:16:18 | 16.94  | 49.81  | 32.66        | 8.67    | 7.93 | 6.2        | 2.67            | 109.1 |
| 798      | 8/19/2011 19:31:19 | 16.87  | 49.84  | 32.68        | 8.64    | 8.00 | 5.9        | 2.58            | 108.6 |
| 799      | 8/19/2011 19:46:18 | 17.11  | 49.83  | 32.68        | 8.60    | 7.99 | 7.6        | 2.50            | 108.6 |
| 800      | 8/19/2011 20:01:18 | 17.11  | 49.84  | 32.68        | 8.54    | 7.93 | 7.6        | 2.42            | 107.9 |
| 801      | 8/19/2011 20:16:18 | 17.45  | 49.84  | 32.69        | 8.42    | 7.98 | 6.7        | 2.33            | 107.1 |
| 802      | 8/19/2011 20:31:18 | 17.72  | 49.81  | 32.67        | 8.31    | 7.98 | 6.5        | 2.26            | 106.1 |
| 803      | 8/19/2011 20:46:18 | 17.60  | 49.88  | 32.72        | 8.19    | 7.97 | 6.7        | 2.18            | 104.5 |
| 804      | 8/19/2011 21:01:18 | 18.00  | 49.90  | 32.73        | 8.10    | 7.97 | 6.1        | 2.10            | 104.1 |
| 805      | 8/19/2011 21:16:18 | 17.98  | 49.90  | 32.73        | 7.92    | 7.96 | 5.6        | 2.03            | 101.7 |
| 806      | 8/19/2011 21:31:18 | 18.09  | 49.91  | 32.74        | 7.84    | 7.95 | 6.7        | 1.96            | 100.9 |
| 807      | 8/19/2011 21:46:18 | 18.29  | 49.97  | 32.79        | 7.83    | 7.96 | 5.1        | 1.92            | 101.2 |
| 808      | 8/19/2011 22:01:18 | 18.57  | 49.98  | 32.79        | 7.87    | 7.96 | 5.6        | 1.88            | 102.3 |
| 809      | 8/19/2011 22:16:18 | 18.76  | 50.00  | 32.81        | 7.96    | 7.97 | 4.0        | 1.83            | 103.8 |
| 810      | 8/19/2011 22:31:18 | 18.85  | 49.99  | 32.80        | 7.98    | 7.97 | 9.6        | 1.83            | 104.3 |
| 811      | 8/19/2011 22:46:18 | 18.79  | 49.99  | 32.80        | 7.72    | 7.96 | 3.5        | 1.83            | 100.7 |
| 812      | 8/19/2011 23:01:18 | 18.87  | 50.01  | 32.82        | 8.09    | 7.98 | 7.7        | 1.84            | 105.7 |
| 813      | 8/19/2011 23:16:18 | 18.83  | 50.00  | 32.81        | 8.05    | 7.98 | 3.3        | 1.86            | 105.1 |
| 814      | 8/19/2011 23:31:18 | 18.83  | 50.00  | 32.81        | 8.16    | 7.98 | 4.0        | 1.90            | 106.6 |
| 815      | 8/19/2011 23:46:18 | 18.83  | 49.99  | 32.80        | 8.20    | 7.98 | 3.8        | 1.93            | 107.0 |
| 816      | 8/20/2011 00:01:18 | 18.74  | 49.98  | 32.79        | 8.16    | 7.98 | 3.8        | 1.99            | 106.3 |
| 817      | 8/20/2011 00:16:18 | 18.74  | 49.96  | 32.78        | 8.04    | 7.97 | 4.5        | 2.05            | 104.8 |
| 818      | 8/20/2011 00:31:18 | 18.93  | 49.88  | 32.72        | 7.74    | 7.95 | 6.7        | 2.09            | 101.2 |
| 819      | 8/20/2011 00:46:18 | 18.93  | 49.86  | 32.70        | 7.69    | 7.94 | 6.6        | 2.14            | 100.5 |
| 820      | 8/20/2011 01:01:18 | 18.81  | 49.89  | 32.73        | 7.88    | 7.95 | 5.6        | 2.20            | 102.9 |
| 821      | 8/20/2011 01:16:18 | 18.68  | 49.91  | 32.74        | 7.89    | 7.95 | 5.1        | 2.25            | 102.7 |
| 822      | 8/20/2011 01:31:18 | 18.61  | 49.91  | 32.74        | 7.89    | 7.95 | 7.0        | 2.29            | 102.6 |
| 823      | 8/20/2011 01:46:18 | 18.50  | 49.89  | 32.73        | 7.91    | 7.95 | 4.8        | 2.35            | 102.5 |
| 824      | 8/20/2011 02:01:18 | 18.32  | 49.90  | 32.73        | 7.91    | 7.95 | 4.9        | 2.41            | 102.2 |
| 825      | 8/20/2011 02:16:18 | 18.17  | 49.89  | 32.73        | 7.83    | 7.94 | 5.1        | 2.46            | 101.0 |
| 826      | 8/20/2011 02:31:18 | 17.95  | 49.88  | 32.72        | 7.73    | 7.93 | 4.9        | 2.50            | 99.2  |
| 827      | 8/20/2011 02:46:18 | 17.81  | 49.88  | 32.71        | 7.60    | 7.92 | 5.0        | 2.55            | 97.3  |
| 828      | 8/20/2011 03:01:18 | 17.64  | 49.85  | 32.69        | 7.53    | 7.91 | 4.6        | 2.61            | 96.1  |
| 829      | 8/20/2011 03:16:18 | 17.53  | 49.84  | 32.69        | 7.52    | 7.91 | 4.4        | 2.65            | 95.7  |
| 830      | 8/20/2011 03:31:18 | 17.44  | 49.84  | 32.68        | 7.51    | 7.91 | 4.3        | 2.69            | 95.5  |
| 831      | 8/20/2011 03:46:18 | 17.35  | 49.85  | 32.69        | 7.50    | 7.91 | 4.1        | 2.73            | 95.2  |
| 832      | 8/20/2011 04:01:18 | 17.24  | 49.84  | 32.68        | 7.52    | 7.91 | 4.0        | 2.77            | 95.2  |
| 833      | 8/20/2011 04:16:19 | 17.10  | 49.82  | 32.67        | 7.51    | 7.91 | 4.0        | 2.80            | 94.8  |
| 834      | 8/20/2011 04:31:18 | 17.00  | 49.81  | 32.66        | 7.48    | 7.85 | 4.0        | 2.83            | 94.3  |
| 835      | 8/20/2011 04:46:18 | 16.91  | 49.85  | 32.69        | 7.45    | 7.85 | 3.8        | 2.85            | 93.7  |
| 836      | 8/20/2011 05:01:18 | 16.88  | 49.81  | 32.66        | 7.33    | 7.90 | 3.6        | 2.86            | 92.2  |
| 837      | 8/20/2011 05:16:18 | 17.18  | 49.84  | 32.68        | 7.30    | 7.84 | 4.5        | 2.86            | 92.4  |
| 838      | 8/20/2011 05:31:18 | 16.91  | 49.83  | 32.67        | 7.24    | 7.84 | 12.9       | 2.84            | 91.1  |
| 839      | 8/20/2011 05:46:18 | 16.96  | 49.84  | 32.68        | 7.19    | 7.83 | 4.1        | 2.82            | 90.6  |
| 840      | 8/20/2011 06:01:18 | 16.98  | 49.83  | 32.67        | 7.17    | 7.89 | 4.3        | 2.79            | 90.3  |
| 841      | 8/20/2011 06:16:18 | 17.11  | 49.80  | 32.65        | 7.20    | 7.84 | 5.9        | 2.74            | 91.0  |
| 842      | 8/20/2011 06:31:18 | 17.31  | 49.87  | 32.70        | 7.04    | 7.88 | 213.8      | 2.69            | 89.3  |
| 843      | 8/20/2011 06:46:18 | 17.33  | 49.96  | 32.77        | 6.35    | 7.82 |            | 2.64            | 80.5  |
| 844      | 8/20/2011 07:01:18 | 16.98  | 50.03  | 32.82        | 5.78    | 7.69 | 209.0      | 2.58            | 72.9  |
| 845      | 8/20/2011 07:16:18 | 17.02  | 50.03  | 32.82        | 5.89    | 7.75 | 109.4      | 2.52            | 74.3  |
| 846      | 8/20/2011 07:31:18 | 17.20  | 50.00  | 32.80        | 5.98    | 7.77 | 146.5      | 2.48            | 75.7  |
| 847      | 8/20/2011 07:46:18 | 17.45  | 49.97  | 32.78        | 6.17    | 7.81 | 168.6      | 2.42            | 78.4  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 848      | 8/20/2011 08:01:18 | 17.39  | 49.98  | 32.79        | 6.08    | 7.80 | 121.2      | 2.36            | 77.2  |
| 849      | 8/20/2011 08:16:18 | 17.40  | 49.96  | 32.77        | 6.22    | 7.80 | 282.4      | 2.32            | 79.0  |
| 850      | 8/20/2011 08:31:19 | 17.75  | 49.96  | 32.77        | 6.66    | 7.86 | 193.4      | 2.29            | 85.2  |
| 851      | 8/20/2011 08:46:18 | 17.93  | 49.91  | 32.74        | 6.86    | 7.88 | 192.6      | 2.25            | 88.1  |
| 852      | 8/20/2011 09:01:18 | 17.85  | 49.96  | 32.78        | 6.63    | 7.85 | 240.5      | 2.20            | 85.0  |
| 853      | 8/20/2011 09:16:18 | 18.04  | 49.93  | 32.76        | 6.79    | 7.87 |            | 2.20            | 87.3  |
| 854      | 8/20/2011 09:31:18 | 18.19  | 49.98  | 32.79        | 6.88    | 7.88 | 185.7      | 2.19            | 88.8  |
| 855      | 8/20/2011 09:46:18 | 18.20  | 49.98  | 32.79        | 6.81    | 7.88 | 163.1      | 2.16            | 87.9  |
| 856      | 8/20/2011 10:01:18 | 18.20  | 49.99  | 32.80        | 6.77    | 7.88 | 4.9        | 2.17            | 87.4  |
| 857      | 8/20/2011 10:16:18 | 18.18  | 49.90  | 32.73        | 6.90    | 7.89 | 109.1      | 2.19            | 89.0  |
| 858      | 8/20/2011 10:31:18 | 18.12  | 49.84  | 32.69        | 6.91    | 7.89 | 4.0        | 2.21            | 89.0  |
| 859      | 8/20/2011 10:46:18 | 18.07  | 49.97  | 32.78        | 6.92    | 7.88 | 4.3        | 2.24            | 89.0  |
| 860      | 8/20/2011 11:01:18 | 18.08  | 49.96  | 32.78        | 6.99    | 7.89 | 4.3        | 2.27            | 89.9  |
| 861      | 8/20/2011 11:16:18 | 18.03  | 49.93  | 32.76        | 6.93    | 7.88 | 5.6        | 2.31            | 89.1  |
| 862      | 8/20/2011 11:31:18 | 17.99  | 49.93  | 32.75        | 6.93    | 7.88 | 4.9        | 2.36            | 89.0  |
| 863      | 8/20/2011 11:46:18 | 17.92  | 49.94  | 32.76        | 6.98    | 7.88 | 5.1        | 2.40            | 89.6  |
| 864      | 8/20/2011 12:01:18 | 17.82  | 49.91  | 32.74        | 7.01    | 7.88 | 6.1        | 2.45            | 89.8  |
| 865      | 8/20/2011 12:16:18 | 17.81  | 49.91  | 32.74        | 7.02    | 7.88 | 4.7        | 2.51            | 89.9  |
| 866      | 8/20/2011 12:31:18 | 17.71  | 49.90  | 32.73        | 7.06    | 7.88 | 4.8        | 2.56            | 90.3  |
| 867      | 8/20/2011 12:46:18 | 17.64  | 49.88  | 32.72        | 7.14    | 7.88 | 4.4        | 2.61            | 91.1  |
| 868      | 8/20/2011 13:01:18 | 17.48  | 49.87  | 32.71        | 7.10    | 7.88 | 4.5        | 2.67            | 90.4  |
| 869      | 8/20/2011 13:16:18 | 17.32  | 49.84  | 32.69        | 7.14    | 7.88 | 4.7        | 2.73            | 90.5  |
| 870      | 8/20/2011 13:31:18 | 17.13  | 49.83  | 32.68        | 7.37    | 7.90 | 5.0        | 2.79            | 93.1  |
| 871      | 8/20/2011 13:46:18 | 16.98  | 49.80  | 32.65        | 7.44    | 7.90 | 4.6        | 2.85            | 93.7  |
| 872      | 8/20/2011 14:01:18 | 16.77  | 49.79  | 32.64        | 7.46    | 7.90 | 4.8        | 2.92            | 93.6  |
| 873      | 8/20/2011 14:16:18 | 16.59  | 49.79  | 32.64        | 7.52    | 7.85 | 5.1        | 2.98            | 94.0  |
| 874      | 8/20/2011 14:31:18 | 16.25  | 49.81  | 32.65        | 7.56    | 7.86 | 5.1        | 3.04            | 93.9  |
| 875      | 8/20/2011 14:46:18 | 15.96  | 49.76  | 32.61        | 7.59    | 7.86 | 4.8        | 3.10            | 93.7  |
| 876      | 8/20/2011 15:01:18 | 15.74  | 49.79  | 32.62        | 7.65    | 7.86 | 5.0        | 3.16            | 94.1  |
| 877      | 8/20/2011 15:16:18 | 15.51  | 49.75  | 32.59        | 7.72    | 7.87 | 5.1        | 3.22            | 94.4  |
| 878      | 8/20/2011 15:31:18 | 15.21  | 49.60  | 32.48        | 7.95    | 7.94 | 4.8        | 3.27            | 96.6  |
| 879      | 8/20/2011 15:46:18 | 15.07  | 49.72  | 32.56        | 8.03    | 7.94 | 4.4        | 3.33            | 97.4  |
| 880      | 8/20/2011 16:01:19 | 14.93  | 49.72  | 32.56        | 8.09    | 7.94 | 4.3        | 3.36            | 97.8  |
| 881      | 8/20/2011 16:16:19 | 14.93  | 49.74  | 32.57        | 8.08    | 7.94 | 3.7        | 3.39            | 97.7  |
| 882      | 8/20/2011 16:31:18 | 14.93  | 49.72  | 32.56        | 7.79    | 7.92 | 2.9        | 3.41            | 94.1  |
| 883      | 8/20/2011 16:46:19 | 15.04  | 49.77  | 32.59        | 8.00    | 7.93 | 3.4        | 3.43            | 96.9  |
| 884      | 8/20/2011 17:01:18 | 14.86  | 49.76  | 32.58        | 7.78    | 7.92 | 3.4        | 3.42            | 93.9  |
| 885      | 8/20/2011 17:16:18 | 14.83  | 49.74  | 32.57        | 7.96    | 7.94 | 3.9        | 3.39            | 96.0  |
| 886      | 8/20/2011 17:31:18 | 14.89  | 49.68  | 32.53        | 7.94    | 7.94 | 5.1        | 3.35            | 95.9  |
| 887      | 8/20/2011 17:46:18 | 15.12  | 49.74  | 32.57        | 7.87    | 7.93 | 4.3        | 3.32            | 95.6  |
| 888      | 8/20/2011 18:01:18 | 15.88  | 49.53  | 32.43        | 7.87    | 7.89 | 5.2        | 3.26            | 96.9  |
| 889      | 8/20/2011 18:16:18 | 16.41  | 49.80  | 32.64        | 8.00    | 7.95 | 6.0        | 3.17            | 99.7  |
| 890      | 8/20/2011 18:31:18 | 16.59  | 49.82  | 32.66        | 7.98    | 7.90 | 6.0        | 3.12            | 99.8  |
| 891      | 8/20/2011 18:46:18 | 16.65  | 49.65  | 32.53        | 7.81    | 7.89 | 5.5        | 3.05            | 97.7  |
| 892      | 8/20/2011 19:01:18 | 16.88  | 49.77  | 32.63        | 7.93    | 7.95 | 6.0        | 2.96            | 99.6  |
| 893      | 8/20/2011 19:16:19 | 17.10  | 49.83  | 32.68        | 8.00    | 7.96 | 5.7        | 2.89            | 101.0 |
| 894      | 8/20/2011 19:31:18 | 17.25  | 49.86  | 32.70        | 8.04    | 7.96 | 6.1        | 2.81            | 101.8 |
| 895      | 8/20/2011 19:46:18 | 17.45  | 49.88  | 32.71        | 8.00    | 7.96 | 6.0        | 2.75            | 101.7 |
| 896      | 8/20/2011 20:01:18 | 17.72  | 49.88  | 32.71        | 8.10    | 7.97 | 6.0        | 2.68            | 103.5 |
| 897      | 8/20/2011 20:16:18 | 17.83  | 49.84  | 32.69        | 8.38    | 7.99 | 6.7        | 2.59            | 107.2 |
| 898      | 8/20/2011 20:31:18 | 17.76  | 49.82  | 32.67        | 8.29    | 7.98 | 6.7        | 2.53            | 106.0 |
| 899      | 8/20/2011 20:46:18 | 17.36  | 49.86  | 32.70        | 8.11    | 7.96 | 6.7        | 2.45            | 103.0 |
| 900      | 8/20/2011 21:01:18 | 17.09  | 49.88  | 32.71        | 7.82    | 7.93 | 7.1        | 2.36            | 98.7  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 901      | 8/20/2011 21:16:18 | 17.30  | 49.93  | 32.75        | 7.73    | 7.93 | 6.5        | 2.28            | 98.0  |
| 902      | 8/20/2011 21:31:18 | 17.49  | 49.90  | 32.73        | 7.64    | 7.93 | 6.4        | 2.21            | 97.2  |
| 903      | 8/20/2011 21:46:18 | 17.58  | 49.93  | 32.75        | 7.61    | 7.93 | 15.9       | 2.14            | 97.0  |
| 904      | 8/20/2011 22:01:18 | 17.63  | 49.91  | 32.73        | 7.48    | 7.92 | 6.0        | 2.05            | 95.4  |
| 905      | 8/20/2011 22:16:18 | 17.82  | 49.88  | 32.72        | 7.42    | 7.93 | 5.1        | 1.99            | 95.0  |
| 906      | 8/20/2011 22:31:18 | 18.06  | 49.98  | 32.79        | 7.43    | 7.92 | 4.6        | 1.94            | 95.7  |
| 907      | 8/20/2011 22:46:18 | 18.21  | 49.95  | 32.77        | 7.41    | 7.92 | 4.4        | 1.90            | 95.6  |
| 908      | 8/20/2011 23:01:18 | 18.47  | 50.03  | 32.83        | 7.58    | 7.94 | 3.8        | 1.86            | 98.4  |
| 909      | 8/20/2011 23:16:18 | 18.70  | 50.05  | 32.85        | 7.69    | 7.95 | 4.2        | 1.84            | 100.2 |
| 910      | 8/20/2011 23:31:18 | 18.79  | 50.06  | 32.85        | 7.79    | 7.96 | 2.7        | 1.84            | 101.6 |
| 911      | 8/20/2011 23:46:18 | 18.71  | 50.04  | 32.84        | 7.62    | 7.95 | 3.2        | 1.83            | 99.3  |
| 912      | 8/21/2011 00:01:18 | 18.73  | 50.06  | 32.85        | 7.89    | 7.96 | 2.8        | 1.85            | 102.8 |
| 913      | 8/21/2011 00:16:18 | 18.69  | 50.04  | 32.84        | 7.86    | 7.96 | 3.0        | 1.88            | 102.4 |
| 914      | 8/21/2011 00:31:18 | 18.65  | 50.02  | 32.83        | 7.88    | 7.96 | 3.2        | 1.90            | 102.6 |
| 915      | 8/21/2011 00:46:18 | 18.66  | 50.05  | 32.84        | 7.94    | 7.96 | 3.2        | 1.94            | 103.3 |
| 916      | 8/21/2011 01:01:18 | 18.62  | 50.02  | 32.82        | 7.90    | 7.96 | 3.4        | 1.99            | 102.8 |
| 917      | 8/21/2011 01:16:18 | 18.59  | 50.04  | 32.83        | 7.82    | 7.95 | 4.0        | 2.03            | 101.7 |
| 918      | 8/21/2011 01:31:18 | 18.62  | 49.96  | 32.78        | 7.68    | 7.94 | 5.1        | 2.08            | 99.9  |
| 919      | 8/21/2011 01:46:18 | 18.62  | 49.92  | 32.75        | 7.55    | 7.93 | 5.4        | 2.13            | 98.2  |
| 920      | 8/21/2011 02:01:18 | 18.59  | 49.93  | 32.76        | 7.51    | 7.92 | 5.6        | 2.17            | 97.6  |
| 921      | 8/21/2011 02:16:18 | 18.50  | 49.94  | 32.76        | 7.60    | 7.93 | 5.0        | 2.23            | 98.6  |
| 922      | 8/21/2011 02:31:18 | 18.39  | 49.94  | 32.76        | 7.64    | 7.93 | 4.3        | 2.28            | 99.0  |
| 923      | 8/21/2011 02:46:18 | 18.32  | 49.96  | 32.78        | 7.60    | 7.93 | 4.6        | 2.32            | 98.2  |
| 924      | 8/21/2011 03:01:18 | 18.22  | 49.95  | 32.77        | 7.58    | 7.93 | 4.4        | 2.39            | 97.9  |
| 925      | 8/21/2011 03:16:18 | 18.08  | 49.94  | 32.76        | 7.56    | 7.92 | 4.2        | 2.43            | 97.3  |
| 926      | 8/21/2011 03:31:18 | 17.98  | 49.90  | 32.73        | 7.52    | 7.92 | 4.7        | 2.47            | 96.6  |
| 927      | 8/21/2011 03:46:18 | 17.86  | 49.89  | 32.72        | 7.49    | 7.92 | 4.2        | 2.52            | 96.0  |
| 928      | 8/21/2011 04:01:18 | 17.70  | 49.90  | 32.73        | 7.38    | 7.90 | 4.3        | 2.56            | 94.3  |
| 929      | 8/21/2011 04:16:18 | 17.59  | 49.89  | 32.72        | 7.32    | 7.90 | 4.3        | 2.60            | 93.3  |
| 930      | 8/21/2011 04:31:18 | 17.47  | 49.87  | 32.71        | 7.29    | 7.90 | 4.2        | 2.64            | 92.8  |
| 931      | 8/21/2011 04:46:18 | 17.41  | 49.87  | 32.70        | 7.25    | 7.89 | 4.5        | 2.66            | 92.1  |
| 932      | 8/21/2011 05:01:18 | 17.32  | 49.86  | 32.70        | 7.24    | 7.89 | 3.8        | 2.70            | 91.8  |
| 933      | 8/21/2011 05:16:18 | 17.23  | 49.76  | 32.62        | 7.22    | 7.89 | 3.8        | 2.73            | 91.3  |
| 934      | 8/21/2011 05:31:18 | 17.19  | 49.85  | 32.69        | 7.14    | 7.89 | 3.7        | 2.75            | 90.4  |
| 935      | 8/21/2011 05:46:18 | 17.17  | 49.88  | 32.71        | 7.11    | 7.88 | 3.9        | 2.76            | 90.0  |
| 936      | 8/21/2011 06:01:18 | 17.05  | 49.84  | 32.68        | 7.12    | 7.88 | 16.1       | 2.78            | 89.8  |
| 937      | 8/21/2011 06:16:18 | 17.21  | 49.91  | 32.73        | 7.08    | 7.88 | 4.6        | 2.77            | 89.6  |
| 938      | 8/21/2011 06:31:18 | 17.16  | 49.87  | 32.71        | 6.88    | 7.87 | 4.3        | 2.77            | 87.0  |
| 939      | 8/21/2011 06:46:18 | 17.16  | 49.85  | 32.69        | 6.88    | 7.88 | 5.2        | 2.76            | 87.0  |
| 940      | 8/21/2011 07:01:18 | 17.06  | 49.84  | 32.68        | 6.88    | 7.88 | 3.9        | 2.73            | 86.8  |
| 941      | 8/21/2011 07:16:18 | 17.23  | 49.84  | 32.68        | 6.83    | 7.87 | 4.5        | 2.70            | 86.5  |
| 942      | 8/21/2011 07:31:18 | 17.41  | 49.89  | 32.72        | 6.72    | 7.86 | 4.5        | 2.67            | 85.4  |
| 943      | 8/21/2011 07:46:18 | 17.47  | 49.90  | 32.73        | 6.80    | 7.87 | 5.3        | 2.63            | 86.5  |
| 944      | 8/21/2011 08:01:18 | 17.55  | 49.94  | 32.76        | 6.70    | 7.86 | 6.7        | 2.60            | 85.4  |
| 945      | 8/21/2011 08:16:18 | 17.63  | 49.96  | 32.77        | 6.55    | 7.84 | 6.8        | 2.55            | 83.5  |
| 946      | 8/21/2011 08:31:18 | 17.66  | 49.96  | 32.78        | 6.58    | 7.84 | 9.0        | 2.51            | 84.0  |
| 947      | 8/21/2011 08:46:18 | 17.65  | 49.95  | 32.77        | 6.43    | 7.83 | 5.6        | 2.48            | 82.1  |
| 948      | 8/21/2011 09:01:18 | 17.70  | 49.97  | 32.78        | 6.49    | 7.84 | 10.5       | 2.44            | 82.9  |
| 949      | 8/21/2011 09:16:18 | 17.78  | 49.96  | 32.78        | 6.69    | 7.85 | 5.3        | 2.41            | 85.6  |
| 950      | 8/21/2011 09:31:18 | 17.85  | 49.96  | 32.78        | 6.70    | 7.85 | 6.7        | 2.39            | 85.9  |
| 951      | 8/21/2011 09:46:18 | 17.94  | 49.97  | 32.79        | 6.75    | 7.86 | 4.6        | 2.37            | 86.6  |
| 952      | 8/21/2011 10:01:18 | 18.04  | 49.63  | 32.54        | 6.99    | 7.88 | 4.0        | 2.36            | 89.7  |
| 953      | 8/21/2011 10:16:18 | 18.09  | 49.97  | 32.78        | 7.01    | 7.88 | 4.0        | 2.36            | 90.3  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 954      | 8/21/2011 10:31:18 | 18.11  | 49.97  | 32.78        | 6.89    | 7.88 | 4.3        | 2.35            | 88.7  |
| 955      | 8/21/2011 10:46:18 | 18.08  | 49.98  | 32.79        | 6.89    | 7.89 | 4.2        | 2.36            | 88.7  |
| 956      | 8/21/2011 11:01:18 | 17.90  | 49.95  | 32.77        | 6.79    | 7.86 | 6.2        | 2.37            | 87.1  |
| 957      | 8/21/2011 11:16:18 | 17.87  | 49.94  | 32.76        | 6.71    | 7.87 | 4.7        | 2.38            | 86.0  |
| 958      | 8/21/2011 11:31:18 | 17.85  | 49.94  | 32.76        | 6.75    | 7.86 | 5.1        | 2.40            | 86.5  |
| 959      | 8/21/2011 11:46:18 | 17.82  | 49.96  | 32.78        | 6.75    | 7.86 | 19.0       | 2.43            | 86.5  |
| 960      | 8/21/2011 12:01:18 | 17.75  | 49.94  | 32.76        | 6.69    | 7.86 | 5.4        | 2.46            | 85.6  |
| 961      | 8/21/2011 12:16:18 | 17.65  | 49.90  | 32.73        | 6.76    | 7.86 | 5.4        | 2.49            | 86.2  |
| 962      | 8/21/2011 12:31:18 | 17.53  | 49.90  | 32.73        | 6.79    | 7.86 | 5.4        | 2.53            | 86.5  |
| 963      | 8/21/2011 12:46:18 | 17.43  | 49.86  | 32.70        | 6.89    | 7.87 | 4.8        | 2.57            | 87.6  |
| 964      | 8/21/2011 13:01:18 | 17.42  | 49.86  | 32.70        | 7.00    | 7.87 | 4.6        | 2.62            | 88.9  |
| 965      | 8/21/2011 13:16:18 | 17.37  | 49.89  | 32.72        | 7.00    | 7.87 | 4.5        | 2.66            | 88.8  |
| 966      | 8/21/2011 13:31:18 | 17.28  | 49.86  | 32.70        | 6.98    | 7.87 | 4.5        | 2.72            | 88.4  |
| 967      | 8/21/2011 13:46:18 | 17.16  | 49.85  | 32.69        | 6.99    | 7.87 | 4.9        | 2.77            | 88.3  |
| 968      | 8/21/2011 14:01:18 | 16.85  | 49.71  | 32.58        | 6.98    | 7.87 | 4.5        | 2.82            | 87.7  |
| 969      | 8/21/2011 14:16:18 | 16.80  | 49.82  | 32.66        | 7.07    | 7.83 | 4.4        | 2.88            | 88.8  |
| 970      | 8/21/2011 14:31:19 | 16.55  | 49.79  | 32.63        | 7.21    | 7.88 | 4.8        | 2.93            | 90.0  |
| 971      | 8/21/2011 14:46:18 | 16.46  | 49.75  | 32.60        | 7.24    | 7.84 | 4.9        | 2.99            | 90.2  |
| 972      | 8/21/2011 15:01:18 | 16.35  | 49.77  | 32.62        | 7.23    | 7.84 | 4.7        | 3.04            | 89.9  |
| 973      | 8/21/2011 15:16:18 | 16.11  | 49.75  | 32.60        | 7.35    | 7.85 | 4.5        | 3.10            | 91.0  |
| 974      | 8/21/2011 15:31:18 | 15.82  | 49.72  | 32.58        | 7.42    | 7.85 | 3.9        | 3.15            | 91.3  |
| 975      | 8/21/2011 15:46:18 | 15.66  | 49.75  | 32.59        | 7.54    | 7.91 | 3.8        | 3.21            | 92.5  |
| 976      | 8/21/2011 16:01:19 | 15.48  | 49.74  | 32.58        | 7.59    | 7.91 | 3.9        | 3.25            | 92.7  |
| 977      | 8/21/2011 16:16:18 | 15.13  | 49.74  | 32.58        | 7.66    | 7.92 | 3.4        | 3.30            | 93.0  |
| 978      | 8/21/2011 16:31:18 | 15.05  | 49.68  | 32.53        | 7.67    | 7.92 | 3.4        | 3.34            | 92.9  |
| 979      | 8/21/2011 16:46:18 | 14.89  | 49.74  | 32.57        | 7.73    | 7.93 | 2.9        | 3.37            | 93.4  |
| 980      | 8/21/2011 17:01:18 | 14.83  | 49.74  | 32.56        | 7.76    | 7.93 | 3.2        | 3.40            | 93.6  |
| 981      | 8/21/2011 17:16:19 | 14.79  | 49.76  | 32.58        | 7.65    | 7.92 | 3.5        | 3.41            | 92.2  |
| 982      | 8/21/2011 17:31:19 | 14.93  | 49.72  | 32.56        | 7.54    | 7.91 | 2.8        | 3.42            | 91.2  |
| 983      | 8/21/2011 17:46:19 | 14.88  | 49.73  | 32.56        | 7.46    | 7.91 | 3.8        | 3.42            | 90.1  |
| 984      | 8/21/2011 18:01:18 | 14.87  | 49.73  | 32.56        | 7.54    | 7.92 | 2.9        | 3.40            | 91.0  |
| 985      | 8/21/2011 18:16:18 | 14.98  | 49.73  | 32.57        | 7.53    | 7.92 | 4.5        | 3.36            | 91.1  |
| 986      | 8/21/2011 18:31:18 | 15.48  | 49.73  | 32.58        | 7.63    | 7.93 | 4.7        | 3.32            | 93.3  |
| 987      | 8/21/2011 18:46:18 | 15.96  | 49.78  | 32.62        | 7.73    | 7.89 | 4.6        | 3.26            | 95.4  |
| 988      | 8/21/2011 19:01:18 | 16.33  | 49.69  | 32.56        | 7.61    | 7.88 | 4.6        | 3.21            | 94.6  |
| 989      | 8/21/2011 19:16:18 | 16.72  | 49.72  | 32.59        | 7.79    | 7.95 | 5.0        | 3.15            | 97.6  |
| 990      | 8/21/2011 19:31:18 | 16.79  | 49.79  | 32.64        | 7.79    | 7.94 | 5.8        | 3.08            | 97.8  |
| 991      | 8/21/2011 19:46:18 | 16.93  | 49.82  | 32.67        | 7.74    | 7.93 | 5.5        | 3.02            | 97.5  |
| 992      | 8/21/2011 20:01:18 | 17.23  | 49.83  | 32.68        | 7.92    | 7.94 | 5.7        | 2.95            | 100.2 |
| 993      | 8/21/2011 20:16:18 | 17.37  | 49.87  | 32.70        | 7.95    | 7.95 | 6.0        | 2.88            | 100.9 |
| 994      | 8/21/2011 20:31:18 | 17.08  | 49.82  | 32.66        | 7.86    | 7.93 | 5.5        | 2.80            | 99.2  |
| 995      | 8/21/2011 20:46:18 | 17.32  | 49.85  | 32.69        | 7.91    | 7.94 | 5.7        | 2.73            | 100.3 |
| 996      | 8/21/2011 21:01:18 | 17.46  | 49.87  | 32.70        | 7.96    | 7.95 | 6.0        | 2.66            | 101.2 |
| 997      | 8/21/2011 21:16:18 | 17.16  | 49.82  | 32.67        | 7.71    | 7.92 | 5.5        | 2.59            | 97.4  |
| 998      | 8/21/2011 21:31:18 | 17.13  | 49.85  | 32.69        | 7.65    | 7.92 | 5.6        | 2.50            | 96.7  |
| 999      | 8/21/2011 21:46:18 | 17.52  | 49.87  | 32.71        | 7.56    | 7.92 | 5.8        | 2.43            | 96.2  |
| 1000     | 8/21/2011 22:01:18 | 17.60  | 49.91  | 32.73        | 7.48    | 7.91 | 6.2        | 2.34            | 95.4  |
| 1001     | 8/21/2011 22:16:18 | 17.41  | 49.87  | 32.71        | 7.22    | 7.90 | 6.4        | 2.26            | 91.7  |
| 1002     | 8/21/2011 22:31:18 | 17.72  | 49.89  | 32.73        | 7.32    | 7.90 | 5.4        | 2.20            | 93.6  |
| 1003     | 8/21/2011 22:46:18 | 17.78  | 49.93  | 32.75        | 7.24    | 7.89 | 5.2        | 2.11            | 92.7  |
| 1004     | 8/21/2011 23:01:18 | 17.75  | 49.93  | 32.75        | 7.03    | 7.88 | 5.3        | 2.04            | 89.9  |
| 1005     | 8/21/2011 23:16:18 | 18.05  | 49.96  | 32.78        | 7.12    | 7.89 | 4.7        | 1.99            | 91.6  |
| 1006     | 8/21/2011 23:31:18 | 18.13  | 49.96  | 32.78        | 7.09    | 7.89 | 4.5        | 1.94            | 91.3  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 1007     | 8/21/2011 23:46:18 | 18.40  | 49.99  | 32.80        | 7.32    | 7.91 | 3.6        | 1.88            | 94.8  |
| 1008     | 8/22/2011 00:01:18 | 18.54  | 49.99  | 32.80        | 7.37    | 7.92 | 4.8        | 1.85            | 95.7  |
| 1009     | 8/22/2011 00:16:18 | 18.72  | 50.02  | 32.83        | 7.55    | 7.93 | 3.1        | 1.84            | 98.4  |
| 1010     | 8/22/2011 00:31:18 | 18.83  | 50.04  | 32.84        | 7.61    | 7.94 | 2.7        | 1.82            | 99.4  |
| 1011     | 8/22/2011 00:46:19 | 18.83  | 50.06  | 32.85        | 7.41    | 7.93 | 5.2        | 1.82            | 96.8  |
| 1012     | 8/22/2011 01:01:18 | 18.76  | 50.03  | 32.83        | 7.64    | 7.94 | 6.0        | 1.84            | 99.6  |
| 1013     | 8/22/2011 01:16:18 | 18.85  | 50.03  | 32.83        | 7.86    | 7.95 | 2.7        | 1.85            | 102.7 |
| 1014     | 8/22/2011 01:31:18 | 18.78  | 50.01  | 32.82        | 7.82    | 7.95 | 2.7        | 1.89            | 102.0 |
| 1015     | 8/22/2011 01:46:18 | 18.83  | 50.04  | 32.83        | 7.95    | 7.95 | 3.3        | 1.92            | 103.9 |
| 1016     | 8/22/2011 02:01:18 | 18.82  | 50.04  | 32.84        | 7.98    | 7.95 | 3.4        | 1.97            | 104.2 |
| 1017     | 8/22/2011 02:16:18 | 18.78  | 50.02  | 32.82        | 7.91    | 7.95 | 3.8        | 2.00            | 103.2 |
| 1018     | 8/22/2011 02:31:18 | 18.76  | 49.98  | 32.79        | 7.77    | 7.94 | 4.4        | 2.05            | 101.3 |
| 1019     | 8/22/2011 02:46:18 | 18.76  | 49.93  | 32.76        | 7.68    | 7.93 | 4.5        | 2.10            | 100.1 |
| 1020     | 8/22/2011 03:01:18 | 18.67  | 49.96  | 32.78        | 7.62    | 7.92 | 4.2        | 2.13            | 99.2  |
| 1021     | 8/22/2011 03:16:18 | 18.67  | 49.94  | 32.76        | 7.57    | 7.92 | 4.6        | 2.19            | 98.5  |
| 1022     | 8/22/2011 03:31:18 | 18.69  | 49.92  | 32.75        | 7.56    | 7.92 | 5.1        | 2.22            | 98.4  |
| 1023     | 8/22/2011 03:46:18 | 18.62  | 49.91  | 32.74        | 7.58    | 7.92 | 4.5        | 2.28            | 98.6  |
| 1024     | 8/22/2011 04:01:18 | 18.55  | 49.92  | 32.75        | 7.54    | 7.91 | 4.3        | 2.32            | 97.9  |
| 1025     | 8/22/2011 04:16:18 | 18.45  | 49.92  | 32.75        | 7.55    | 7.91 | 4.2        | 2.37            | 97.9  |
| 1026     | 8/22/2011 04:31:18 | 18.28  | 49.92  | 32.75        | 7.51    | 7.91 | 4.6        | 2.42            | 97.1  |
| 1027     | 8/22/2011 04:46:18 | 18.13  | 49.91  | 32.74        | 7.41    | 7.90 | 4.8        | 2.46            | 95.5  |
| 1028     | 8/22/2011 05:01:18 | 17.98  | 49.86  | 32.70        | 7.32    | 7.89 | 4.5        | 2.51            | 94.0  |
| 1029     | 8/22/2011 05:16:18 | 17.88  | 49.82  | 32.67        | 7.24    | 7.89 | 5.1        | 2.54            | 92.7  |
| 1030     | 8/22/2011 05:31:18 | 17.73  | 49.86  | 32.70        | 7.23    | 7.88 | 4.6        | 2.59            | 92.4  |
| 1031     | 8/22/2011 05:46:18 | 17.61  | 49.84  | 32.68        | 7.12    | 7.88 | 5.0        | 2.63            | 90.8  |
| 1032     | 8/22/2011 06:01:18 | 17.48  | 49.84  | 32.69        | 7.11    | 7.88 | 6.9        | 2.66            | 90.4  |
| 1033     | 8/22/2011 06:16:18 | 17.38  | 49.81  | 32.66        | 7.11    | 7.88 | 4.1        | 2.69            | 90.2  |
| 1034     | 8/22/2011 06:31:18 | 17.33  | 49.82  | 32.67        | 7.08    | 7.88 | 3.9        | 2.72            | 89.8  |
| 1035     | 8/22/2011 06:46:18 | 17.31  | 49.84  | 32.68        | 7.08    | 7.87 | 3.7        | 2.75            | 89.7  |
| 1036     | 8/22/2011 07:01:18 | 17.33  | 49.83  | 32.68        | 6.99    | 7.87 | 3.9        | 2.76            | 88.6  |
| 1037     | 8/22/2011 07:16:18 | 17.31  | 49.83  | 32.68        | 7.01    | 7.87 | 3.8        | 2.78            | 88.9  |
| 1038     | 8/22/2011 07:31:18 | 17.37  | 49.84  | 32.69        | 6.94    | 7.86 | 4.8        | 2.78            | 88.1  |
| 1039     | 8/22/2011 07:46:18 | 17.31  | 49.82  | 32.67        | 6.75    | 7.85 | 3.6        | 2.77            | 85.6  |
| 1040     | 8/22/2011 08:01:18 | 17.23  | 49.82  | 32.67        | 6.84    | 7.86 | 3.7        | 2.78            | 86.6  |
| 1041     | 8/22/2011 08:16:18 | 17.25  | 49.81  | 32.66        | 6.85    | 7.86 | 3.6        | 2.75            | 86.7  |
| 1042     | 8/22/2011 08:31:18 | 17.27  | 49.80  | 32.65        | 6.79    | 7.85 | 3.4        | 2.74            | 86.0  |
| 1043     | 8/22/2011 08:46:18 | 17.43  | 49.81  | 32.66        | 6.74    | 7.85 | 3.7        | 2.70            | 85.7  |
| 1044     | 8/22/2011 09:01:18 | 17.70  | 49.84  | 32.68        | 6.65    | 7.84 | 4.6        | 2.68            | 84.9  |
| 1045     | 8/22/2011 09:16:18 | 17.79  | 49.89  | 32.72        | 6.70    | 7.84 | 6.3        | 2.66            | 85.8  |
| 1046     | 8/22/2011 09:31:19 | 17.91  | 49.93  | 32.75        | 6.53    | 7.83 | 7.1        | 2.62            | 83.8  |
| 1047     | 8/22/2011 09:46:18 | 17.93  | 49.95  | 32.77        | 6.61    | 7.84 | 5.4        | 2.59            | 84.8  |
| 1048     | 8/22/2011 10:01:18 | 17.96  | 50.03  | 32.83        | 6.61    | 7.83 | 5.1        | 2.57            | 85.0  |
| 1049     | 8/22/2011 10:16:18 | 18.11  | 50.00  | 32.81        | 6.69    | 7.84 | 4.7        | 2.55            | 86.2  |
| 1050     | 8/22/2011 10:31:18 | 18.19  | 49.97  | 32.79        | 6.75    | 7.85 | 4.5        | 2.52            | 87.1  |
| 1051     | 8/22/2011 10:46:18 | 18.22  | 49.92  | 32.75        | 6.80    | 7.85 | 4.4        | 2.51            | 87.7  |
| 1052     | 8/22/2011 11:01:18 | 18.28  | 49.98  | 32.80        | 6.96    | 7.86 | 4.2        | 2.51            | 89.9  |
| 1053     | 8/22/2011 11:16:18 | 18.32  | 50.00  | 32.80        | 7.02    | 7.86 | 4.0        | 2.48            | 90.8  |
| 1054     | 8/22/2011 11:31:18 | 18.37  | 49.91  | 32.74        | 7.00    | 7.87 | 3.7        | 2.48            | 90.6  |
| 1055     | 8/22/2011 11:46:18 | 18.33  | 49.93  | 32.76        | 6.94    | 7.86 | 4.2        | 2.49            | 89.7  |
| 1056     | 8/22/2011 12:01:18 | 18.10  | 49.88  | 32.72        | 6.83    | 7.85 | 4.6        | 2.49            | 88.0  |
| 1057     | 8/22/2011 12:16:18 | 18.06  | 49.91  | 32.74        | 6.72    | 7.84 | 5.0        | 2.51            | 86.4  |
| 1058     | 8/22/2011 12:31:19 | 17.98  | 49.94  | 32.76        | 6.79    | 7.85 | 5.1        | 2.53            | 87.2  |
| 1059     | 8/22/2011 12:46:18 | 17.90  | 49.96  | 32.77        | 6.82    | 7.85 | 5.1        | 2.55            | 87.5  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1060     | 8/22/2011 13:01:18 | 17.95  | 49.87  | 32.71        | 6.96    | 7.86 | 5.1        | 2.58            | 89.3  |
| 1061     | 8/22/2011 13:16:18 | 17.87  | 49.93  | 32.75        | 7.04    | 7.88 | 4.6        | 2.61            | 90.3  |
| 1062     | 8/22/2011 13:31:18 | 17.73  | 49.75  | 32.62        | 6.95    | 7.87 | 4.9        | 2.64            | 88.8  |
| 1063     | 8/22/2011 13:46:18 | 17.63  | 49.82  | 32.67        | 6.94    | 7.86 | 4.3        | 2.68            | 88.5  |
| 1064     | 8/22/2011 14:01:18 | 17.56  | 49.79  | 32.65        | 6.98    | 7.86 | 4.3        | 2.72            | 88.8  |
| 1065     | 8/22/2011 14:16:18 | 17.47  | 49.78  | 32.64        | 6.94    | 7.86 | 4.0        | 2.76            | 88.2  |
| 1066     | 8/22/2011 14:31:18 | 17.32  | 49.78  | 32.64        | 6.95    | 7.86 | 3.7        | 2.81            | 88.1  |
| 1067     | 8/22/2011 14:46:18 | 17.16  | 49.83  | 32.68        | 6.91    | 7.86 | 4.2        | 2.84            | 87.4  |
| 1068     | 8/22/2011 15:01:18 | 16.93  | 49.82  | 32.67        | 6.90    | 7.86 | 4.4        | 2.90            | 86.8  |
| 1069     | 8/22/2011 15:16:19 | 16.85  | 49.88  | 32.71        | 6.96    | 7.86 | 4.2        | 2.95            | 87.4  |
| 1070     | 8/22/2011 15:31:18 | 16.61  | 49.86  | 32.69        | 7.01    | 7.87 | 3.9        | 3.00            | 87.7  |
| 1071     | 8/22/2011 15:46:18 | 16.16  | 49.81  | 32.65        | 7.12    | 7.87 | 4.3        | 3.06            | 88.2  |
| 1072     | 8/22/2011 16:01:18 | 15.80  | 49.79  | 32.62        | 7.17    | 7.88 | 4.2        | 3.10            | 88.2  |
| 1073     | 8/22/2011 16:16:18 | 15.46  | 49.73  | 32.58        | 7.30    | 7.89 | 4.0        | 3.16            | 89.2  |
| 1074     | 8/22/2011 16:31:18 | 15.18  | 49.75  | 32.58        | 7.46    | 7.90 | 3.6        | 3.21            | 90.7  |
| 1075     | 8/22/2011 16:46:19 | 14.98  | 49.65  | 32.51        | 7.53    | 7.90 | 3.7        | 3.26            | 91.1  |
| 1076     | 8/22/2011 17:01:18 | 14.84  | 49.49  | 32.39        | 7.63    | 7.91 | 3.7        | 3.30            | 92.0  |
| 1077     | 8/22/2011 17:16:18 | 14.84  | 49.31  | 32.26        | 7.76    | 7.92 | 5.2        | 3.35            | 93.5  |
| 1078     | 8/22/2011 17:31:18 | 14.71  | 49.36  | 32.29        | 7.78    | 7.92 | 4.0        | 3.38            | 93.6  |
| 1079     | 8/22/2011 17:46:18 | 14.62  | 49.46  | 32.36        | 7.89    | 7.93 | 3.7        | 3.41            | 94.6  |
| 1080     | 8/22/2011 18:01:18 | 14.96  | 48.97  | 32.01        | 7.53    | 7.92 | 3.3        | 3.43            | 90.8  |
| 1081     | 8/22/2011 18:16:18 | 15.05  | 49.29  | 32.24        | 7.76    | 7.93 | 2.7        | 3.44            | 93.9  |
| 1082     | 8/22/2011 18:31:18 | 14.96  | 49.42  | 32.34        | 7.29    | 7.90 | 2.8        | 3.43            | 88.1  |
| 1083     | 8/22/2011 18:46:18 | 14.79  | 49.36  | 32.29        | 7.43    | 7.91 | 2.6        | 3.43            | 89.4  |
| 1084     | 8/22/2011 19:01:18 | 14.92  | 49.27  | 32.23        | 7.62    | 7.91 | 3.9        | 3.41            | 91.9  |
| 1085     | 8/22/2011 19:16:18 | 15.61  | 49.31  | 32.27        | 7.74    | 7.93 | 3.9        | 3.38            | 94.7  |
| 1086     | 8/22/2011 19:31:18 | 15.82  | 49.39  | 32.34        | 7.76    | 7.93 | 4.3        | 3.34            | 95.3  |
| 1087     | 8/22/2011 19:46:18 | 15.79  | 49.41  | 32.35        | 7.71    | 7.92 | 18.4       | 3.29            | 94.7  |
| 1088     | 8/22/2011 20:01:19 | 16.23  | 49.40  | 32.35        | 7.72    | 7.92 | 22.5       | 3.24            | 95.7  |
| 1089     | 8/22/2011 20:16:18 | 16.80  | 49.58  | 32.49        | 7.78    | 7.93 | 4.8        | 3.17            | 97.6  |
| 1090     | 8/22/2011 20:31:19 | 16.61  | 49.79  | 32.64        | 7.76    | 7.92 | 4.7        | 3.10            | 97.0  |
| 1091     | 8/22/2011 20:46:19 | 16.25  | 49.75  | 32.60        | 7.62    | 7.91 | 5.6        | 3.04            | 94.6  |
| 1092     | 8/22/2011 21:01:18 | 16.69  | 49.53  | 32.45        | 7.65    | 7.92 | 4.8        | 2.97            | 95.7  |
| 1093     | 8/22/2011 21:16:18 | 16.71  | 49.54  | 32.46        | 7.76    | 7.93 | 4.9        | 2.90            | 97.1  |
| 1094     | 8/22/2011 21:31:18 | 16.41  | 49.59  | 32.49        | 7.75    | 7.91 | 5.9        | 2.82            | 96.4  |
| 1095     | 8/22/2011 21:46:18 | 16.80  | 49.63  | 32.52        | 7.77    | 7.93 | 4.8        | 2.75            | 97.5  |
| 1096     | 8/22/2011 22:01:18 | 17.00  | 49.85  | 32.69        | 7.78    | 7.93 | 5.1        | 2.67            | 98.1  |
| 1097     | 8/22/2011 22:16:18 | 17.15  | 49.79  | 32.64        | 7.64    | 7.92 | 5.6        | 2.59            | 96.5  |
| 1098     | 8/22/2011 22:31:18 | 17.37  | 49.85  | 32.69        | 7.71    | 7.92 | 5.1        | 2.51            | 97.9  |
| 1099     | 8/22/2011 22:46:18 | 17.76  | 49.89  | 32.72        | 7.75    | 7.93 | 5.2        | 2.43            | 99.1  |
| 1100     | 8/22/2011 23:01:18 | 17.86  | 49.90  | 32.73        | 7.71    | 7.93 | 4.8        | 2.35            | 98.9  |
| 1101     | 8/22/2011 23:16:18 | 17.71  | 49.90  | 32.73        | 7.57    | 7.92 | 5.0        | 2.25            | 96.8  |
| 1102     | 8/22/2011 23:31:18 | 17.88  | 49.56  | 32.48        | 7.53    | 7.91 | 4.9        | 2.17            | 96.4  |
| 1103     | 8/22/2011 23:46:18 | 18.04  | 49.93  | 32.75        | 7.50    | 7.92 | 4.5        | 2.10            | 96.4  |
| 1104     | 8/23/2011 00:01:18 | 17.90  | 49.93  | 32.76        | 7.22    | 7.89 | 4.8        | 2.00            | 92.6  |
| 1105     | 8/23/2011 00:16:18 | 18.23  | 49.96  | 32.78        | 7.32    | 7.90 | 4.5        | 1.94            | 94.5  |
| 1106     | 8/23/2011 00:31:18 | 18.22  | 49.96  | 32.78        | 7.23    | 7.89 | 4.3        | 1.88            | 93.3  |
| 1107     | 8/23/2011 00:46:18 | 18.47  | 49.97  | 32.78        | 7.29    | 7.90 | 4.0        | 1.82            | 94.6  |
| 1108     | 8/23/2011 01:01:18 | 18.61  | 50.01  | 32.81        | 7.38    | 7.91 | 3.5        | 1.77            | 95.9  |
| 1109     | 8/23/2011 01:16:18 | 18.96  | 50.05  | 32.84        | 7.72    | 7.95 | 3.5        | 1.73            | 101.1 |
| 1110     | 8/23/2011 01:31:18 | 19.11  | 50.06  | 32.85        | 7.81    | 7.95 | 3.2        | 1.73            | 102.5 |
| 1111     | 8/23/2011 01:46:18 | 19.06  | 50.09  | 32.87        | 7.68    | 7.94 | 3.1        | 1.71            | 100.7 |
| 1112     | 8/23/2011 02:01:18 | 19.00  | 50.03  | 32.83        | 7.81    | 7.95 | 3.2        | 1.71            | 102.3 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 1113     | 8/23/2011 02:16:18 | 19.08  | 50.06  | 32.85        | 7.99    | 7.96 | 2.8        | 1.74            | 104.9 |
| 1114     | 8/23/2011 02:31:18 | 19.01  | 50.04  | 32.84        | 7.92    | 7.95 | 3.1        | 1.78            | 103.8 |
| 1115     | 8/23/2011 02:46:18 | 19.06  | 50.05  | 32.85        | 8.02    | 7.96 | 3.7        | 1.80            | 105.2 |
| 1116     | 8/23/2011 03:01:18 | 19.03  | 50.05  | 32.84        | 8.05    | 7.96 | 3.5        | 1.84            | 105.5 |
| 1117     | 8/23/2011 03:16:18 | 18.99  | 50.04  | 32.84        | 8.04    | 7.96 | 4.0        | 1.90            | 105.3 |
| 1118     | 8/23/2011 03:31:19 | 19.05  | 49.96  | 32.78        | 7.82    | 7.94 | 4.9        | 1.93            | 102.5 |
| 1119     | 8/23/2011 03:46:18 | 18.98  | 49.98  | 32.79        | 7.82    | 7.94 | 4.2        | 1.99            | 102.3 |
| 1120     | 8/23/2011 04:01:18 | 18.92  | 49.92  | 32.75        | 7.73    | 7.93 | 4.4        | 2.03            | 101.1 |
| 1121     | 8/23/2011 04:16:18 | 18.91  | 49.94  | 32.76        | 7.66    | 7.93 | 4.7        | 2.08            | 100.2 |
| 1122     | 8/23/2011 04:31:18 | 18.94  | 49.88  | 32.72        | 7.60    | 7.92 | 5.3        | 2.14            | 99.4  |
| 1123     | 8/23/2011 04:46:18 | 18.86  | 49.88  | 32.72        | 7.65    | 7.92 | 5.0        | 2.18            | 99.9  |
| 1124     | 8/23/2011 05:01:18 | 18.77  | 49.91  | 32.74        | 7.66    | 7.92 | 5.2        | 2.24            | 99.8  |
| 1125     | 8/23/2011 05:16:18 | 18.68  | 49.89  | 32.73        | 7.65    | 7.92 | 4.6        | 2.29            | 99.6  |
| 1126     | 8/23/2011 05:31:18 | 18.44  | 49.88  | 32.72        | 7.52    | 7.91 | 4.4        | 2.34            | 97.5  |
| 1127     | 8/23/2011 05:46:18 | 18.27  | 49.89  | 32.72        | 7.37    | 7.89 | 4.9        | 2.40            | 95.2  |
| 1128     | 8/23/2011 06:01:19 | 18.15  | 49.87  | 32.71        | 7.26    | 7.89 | 4.6        | 2.45            | 93.5  |
| 1129     | 8/23/2011 06:16:19 | 18.02  | 49.81  | 32.67        | 7.22    | 7.88 | 4.8        | 2.50            | 92.8  |
| 1130     | 8/23/2011 06:31:19 | 17.76  | 49.85  | 32.70        | 7.13    | 7.87 | 4.8        | 2.56            | 91.2  |
| 1131     | 8/23/2011 06:46:18 | 17.63  | 49.77  | 32.64        | 7.09    | 7.87 | 4.7        | 2.60            | 90.4  |
| 1132     | 8/23/2011 07:01:18 | 17.55  | 49.76  | 32.63        | 7.07    | 7.87 | 4.3        | 2.64            | 90.0  |
| 1133     | 8/23/2011 07:16:18 | 17.51  | 49.84  | 32.69        | 7.07    | 7.87 | 4.3        | 2.68            | 89.9  |
| 1134     | 8/23/2011 07:31:18 | 17.49  | 49.79  | 32.65        | 7.08    | 7.87 | 4.1        | 2.72            | 90.0  |
| 1135     | 8/23/2011 07:46:18 | 17.39  | 49.81  | 32.66        | 7.09    | 7.87 | 4.0        | 2.75            | 90.0  |
| 1136     | 8/23/2011 08:01:18 | 17.30  | 49.79  | 32.65        | 7.05    | 7.87 | 3.9        | 2.78            | 89.3  |
| 1137     | 8/23/2011 08:16:18 | 17.18  | 49.79  | 32.65        | 7.02    | 7.87 | 3.7        | 2.80            | 88.8  |
| 1138     | 8/23/2011 08:31:18 | 16.98  | 49.77  | 32.63        | 6.95    | 7.86 | 3.4        | 2.82            | 87.5  |
| 1139     | 8/23/2011 08:46:18 | 16.95  | 49.76  | 32.62        | 6.87    | 7.85 | 3.0        | 2.83            | 86.4  |
| 1140     | 8/23/2011 09:01:18 | 17.26  | 49.79  | 32.65        | 6.89    | 7.86 | 4.3        | 2.84            | 87.3  |
| 1141     | 8/23/2011 09:16:18 | 17.02  | 49.80  | 32.65        | 6.67    | 7.85 | 3.6        | 2.84            | 84.1  |
| 1142     | 8/23/2011 09:31:18 | 17.01  | 49.76  | 32.62        | 6.70    | 7.85 | 3.3        | 2.82            | 84.4  |
| 1143     | 8/23/2011 09:46:18 | 17.02  | 49.77  | 32.63        | 6.69    | 7.85 | 3.4        | 2.82            | 84.3  |
| 1144     | 8/23/2011 10:01:18 | 17.10  | 49.76  | 32.62        | 6.73    | 7.85 | 3.2        | 2.79            | 84.9  |
| 1145     | 8/23/2011 10:16:18 | 17.22  | 49.78  | 32.64        | 6.75    | 7.85 | 3.7        | 2.77            | 85.4  |
| 1146     | 8/23/2011 10:31:18 | 17.42  | 49.75  | 32.62        | 6.79    | 7.86 | 3.7        | 2.73            | 86.2  |
| 1147     | 8/23/2011 10:46:18 | 17.60  | 49.83  | 32.68        | 6.93    | 7.87 | 3.8        | 2.70            | 88.4  |
| 1148     | 8/23/2011 11:01:18 | 17.65  | 49.85  | 32.70        | 6.91    | 7.87 | 3.5        | 2.69            | 88.3  |
| 1149     | 8/23/2011 11:16:18 | 17.77  | 49.85  | 32.70        | 7.01    | 7.86 | 3.8        | 2.64            | 89.6  |
| 1150     | 8/23/2011 11:31:18 | 17.93  | 49.80  | 32.66        | 6.98    | 7.87 | 10.2       | 2.61            | 89.5  |
| 1151     | 8/23/2011 11:46:18 | 17.96  | 49.88  | 32.71        | 6.91    | 7.86 | 3.8        | 2.60            | 88.8  |
| 1152     | 8/23/2011 12:01:18 | 18.00  | 49.88  | 32.72        | 6.81    | 7.85 | 4.2        | 2.57            | 87.6  |
| 1153     | 8/23/2011 12:16:18 | 18.05  | 49.88  | 32.72        | 6.88    | 7.85 | 8.4        | 2.55            | 88.5  |
| 1154     | 8/23/2011 12:31:18 | 18.21  | 49.84  | 32.69        | 6.95    | 7.86 | 7.0        | 2.55            | 89.7  |
| 1155     | 8/23/2011 12:46:18 | 18.25  | 49.92  | 32.75        | 7.05    | 7.87 | 9.5        | 2.54            | 91.0  |
| 1156     | 8/23/2011 13:01:18 | 18.10  | 49.92  | 32.75        | 7.27    | 7.88 | 9.3        | 2.54            | 93.6  |
| 1157     | 8/23/2011 13:16:18 | 17.89  | 49.84  | 32.68        | 6.96    | 7.87 | 7.1        | 2.55            | 89.2  |
| 1158     | 8/23/2011 13:31:18 | 18.09  | 49.80  | 32.66        | 7.12    | 7.88 | 3.8        | 2.55            | 91.7  |
| 1159     | 8/23/2011 13:46:18 | 18.23  | 49.83  | 32.68        | 7.34    | 7.89 | 3.8        | 2.58            | 94.7  |
| 1160     | 8/23/2011 14:01:18 | 18.06  | 49.89  | 32.73        | 7.22    | 7.87 | 4.0        | 2.60            | 92.9  |
| 1161     | 8/23/2011 14:16:18 | 17.98  | 49.84  | 32.69        | 7.22    | 7.88 | 3.6        | 2.62            | 92.8  |
| 1162     | 8/23/2011 14:31:18 | 17.88  | 49.84  | 32.69        | 7.18    | 7.87 | 3.6        | 2.66            | 92.1  |
| 1163     | 8/23/2011 14:46:18 | 18.08  | 49.84  | 32.69        | 7.46    | 7.89 | 3.5        | 2.69            | 96.0  |
| 1164     | 8/23/2011 15:01:18 | 18.08  | 49.82  | 32.67        | 7.44    | 7.89 | 3.4        | 2.73            | 95.8  |
| 1165     | 8/23/2011 15:16:18 | 17.88  | 49.82  | 32.67        | 7.26    | 7.88 | 3.7        | 2.76            | 93.0  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1166     | 8/23/2011 15:31:18 | 17.72  | 49.80  | 32.65        | 7.18    | 7.87 | 3.4        | 2.81            | 91.7  |
| 1167     | 8/23/2011 15:46:18 | 17.53  | 49.78  | 32.64        | 7.17    | 7.87 | 3.5        | 2.85            | 91.3  |
| 1168     | 8/23/2011 16:01:18 | 17.31  | 49.76  | 32.62        | 7.02    | 7.86 | 3.5        | 2.90            | 89.0  |
| 1169     | 8/23/2011 16:16:18 | 17.38  | 49.75  | 32.62        | 7.24    | 7.87 | 3.9        | 2.95            | 91.9  |
| 1170     | 8/23/2011 16:31:18 | 17.36  | 49.74  | 32.61        | 7.40    | 7.89 | 3.7        | 3.00            | 93.8  |
| 1171     | 8/23/2011 16:46:18 | 16.89  | 49.74  | 32.60        | 7.44    | 7.89 | 3.5        | 3.05            | 93.5  |
| 1172     | 8/23/2011 17:01:18 | 16.71  | 49.70  | 32.58        | 7.58    | 7.90 | 3.4        | 3.10            | 94.9  |
| 1173     | 8/23/2011 17:16:18 | 16.49  | 49.70  | 32.57        | 7.61    | 7.90 | 3.5        | 3.17            | 94.9  |
| 1174     | 8/23/2011 17:31:19 | 16.07  | 49.68  | 32.55        | 7.92    | 7.92 | 3.1        | 3.22            | 98.0  |
| 1175     | 8/23/2011 17:46:18 | 16.00  | 49.69  | 32.56        | 7.92    | 7.93 | 2.9        | 3.27            | 97.9  |
| 1176     | 8/23/2011 18:01:18 | 15.95  | 49.68  | 32.55        | 8.07    | 7.94 | 2.9        | 3.32            | 99.6  |
| 1177     | 8/23/2011 18:16:18 | 15.71  | 49.70  | 32.55        | 8.29    | 7.95 | 2.9        | 3.37            | 101.8 |
| 1178     | 8/23/2011 18:31:18 | 15.58  | 49.70  | 32.56        | 8.39    | 7.96 | 2.9        | 3.40            | 102.8 |
| 1179     | 8/23/2011 18:46:18 | 15.09  | 49.74  | 32.57        | 8.34    | 7.96 | 3.3        | 3.44            | 101.2 |
| 1180     | 8/23/2011 19:01:19 | 14.72  | 49.76  | 32.58        | 8.35    | 7.95 | 2.9        | 3.46            | 100.6 |
| 1181     | 8/23/2011 19:16:18 | 14.69  | 49.66  | 32.51        | 8.19    | 7.95 | 2.3        | 3.48            | 98.5  |
| 1182     | 8/23/2011 19:31:18 | 14.98  | 49.82  | 32.63        | 8.07    | 7.94 | 3.4        | 3.49            | 97.7  |
| 1183     | 8/23/2011 19:46:18 | 14.69  | 49.71  | 32.55        | 8.20    | 7.95 | 3.1        | 3.49            | 98.6  |
| 1184     | 8/23/2011 20:01:18 | 14.58  | 49.76  | 32.58        | 8.14    | 7.95 | 2.8        | 3.46            | 97.7  |
| 1185     | 8/23/2011 20:16:18 | 14.83  | 49.75  | 32.58        | 8.13    | 7.95 | 3.1        | 3.44            | 98.1  |
| 1186     | 8/23/2011 20:31:18 | 15.81  | 49.55  | 32.45        | 8.05    | 7.95 | 3.3        | 3.40            | 99.0  |
| 1187     | 8/23/2011 20:46:18 | 16.18  | 49.86  | 32.69        | 7.95    | 7.94 | 3.9        | 3.34            | 98.6  |
| 1188     | 8/23/2011 21:01:18 | 16.39  | 49.79  | 32.64        | 7.98    | 7.94 | 4.0        | 3.29            | 99.3  |
| 1189     | 8/23/2011 21:16:18 | 17.08  | 49.62  | 32.52        | 8.13    | 7.96 | 4.8        | 3.22            | 102.5 |
| 1190     | 8/23/2011 21:31:18 | 16.87  | 49.80  | 32.65        | 8.03    | 7.95 | 4.2        | 3.15            | 100.9 |
| 1191     | 8/23/2011 21:46:18 | 17.52  | 49.79  | 32.65        | 8.08    | 7.95 | 4.7        | 3.08            | 102.8 |
| 1192     | 8/23/2011 22:01:18 | 17.91  | 49.83  | 32.68        | 8.20    | 7.96 | 4.5        | 3.00            | 105.1 |
| 1193     | 8/23/2011 22:16:18 | 17.67  | 49.80  | 32.66        | 7.91    | 7.94 | 4.0        | 2.92            | 100.9 |
| 1194     | 8/23/2011 22:31:18 | 17.92  | 49.78  | 32.65        | 7.89    | 7.94 | 4.9        | 2.84            | 101.1 |
| 1195     | 8/23/2011 22:46:18 | 18.14  | 49.83  | 32.68        | 8.00    | 7.94 | 4.8        | 2.76            | 103.0 |
| 1196     | 8/23/2011 23:01:18 | 18.25  | 49.79  | 32.65        | 8.09    | 7.95 | 4.6        | 2.68            | 104.4 |
| 1197     | 8/23/2011 23:16:18 | 18.19  | 49.82  | 32.68        | 8.18    | 7.96 | 5.2        | 2.59            | 105.5 |
| 1198     | 8/23/2011 23:31:18 | 18.12  | 49.82  | 32.68        | 7.89    | 7.93 | 5.1        | 2.50            | 101.6 |
| 1199     | 8/23/2011 23:46:18 | 18.00  | 49.84  | 32.69        | 7.68    | 7.92 | 5.2        | 2.40            | 98.7  |
| 1200     | 8/24/2011 00:01:18 | 18.33  | 49.87  | 32.71        | 7.69    | 7.92 | 5.2        | 2.30            | 99.5  |
| 1201     | 8/24/2011 00:16:18 | 18.30  | 49.86  | 32.71        | 7.56    | 7.92 | 5.5        | 2.22            | 97.7  |
| 1202     | 8/24/2011 00:31:18 | 18.43  | 49.85  | 32.70        | 7.48    | 7.91 | 5.6        | 2.11            | 96.8  |
| 1203     | 8/24/2011 00:46:18 | 18.62  | 49.90  | 32.73        | 7.45    | 7.91 | 5.2        | 2.02            | 96.9  |
| 1204     | 8/24/2011 01:01:18 | 18.69  | 49.92  | 32.75        | 7.35    | 7.90 | 5.0        | 1.92            | 95.7  |
| 1205     | 8/24/2011 01:16:18 | 18.88  | 49.93  | 32.75        | 7.35    | 7.90 | 4.9        | 1.86            | 96.0  |
| 1206     | 8/24/2011 01:31:18 | 19.00  | 49.97  | 32.78        | 7.26    | 7.90 | 4.3        | 1.78            | 95.1  |
| 1207     | 8/24/2011 01:46:18 | 19.24  | 49.99  | 32.80        | 7.39    | 7.91 | 4.2        | 1.69            | 97.2  |
| 1208     | 8/24/2011 02:01:18 | 19.63  | 50.01  | 32.81        | 7.74    | 7.95 | 3.8        | 1.67            | 102.6 |
| 1209     | 8/24/2011 02:16:18 | 19.66  | 50.03  | 32.83        | 7.64    | 7.93 | 3.5        | 1.63            | 101.4 |
| 1210     | 8/24/2011 02:31:18 | 19.87  | 50.03  | 32.83        | 7.74    | 7.95 | 3.1        | 1.60            | 103.1 |
| 1211     | 8/24/2011 02:46:18 | 19.96  | 50.07  | 32.86        | 7.99    | 7.96 | 3.1        | 1.59            | 106.5 |
| 1212     | 8/24/2011 03:01:18 | 19.91  | 50.03  | 32.83        | 7.92    | 7.96 | 3.2        | 1.60            | 105.5 |
| 1213     | 8/24/2011 03:16:18 | 19.91  | 50.03  | 32.83        | 8.02    | 7.96 | 10.4       | 1.63            | 106.9 |
| 1214     | 8/24/2011 03:31:18 | 19.80  | 50.04  | 32.84        | 7.93    | 7.95 | 2.9        | 1.64            | 105.5 |
| 1215     | 8/24/2011 03:46:18 | 19.84  | 50.02  | 32.82        | 8.08    | 7.96 | 3.5        | 1.70            | 107.5 |
| 1216     | 8/24/2011 04:01:18 | 19.83  | 50.04  | 32.84        | 8.07    | 7.96 | 3.7        | 1.75            | 107.4 |
| 1217     | 8/24/2011 04:16:18 | 19.84  | 49.98  | 32.79        | 7.98    | 7.96 | 4.0        | 1.80            | 106.2 |
| 1218     | 8/24/2011 04:31:18 | 19.91  | 49.95  | 32.77        | 7.92    | 7.95 | 4.5        | 1.86            | 105.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1219     | 8/24/2011 04:46:18 | 19.79  | 49.93  | 32.76        | 7.86    | 7.94 | 3.8        | 1.89            | 104.4 |
| 1220     | 8/24/2011 05:01:18 | 19.75  | 49.93  | 32.76        | 7.80    | 7.94 | 4.2        | 1.97            | 103.6 |
| 1221     | 8/24/2011 05:16:18 | 19.80  | 49.89  | 32.73        | 7.73    | 7.93 | 7.6        | 2.03            | 102.7 |
| 1222     | 8/24/2011 05:31:18 | 19.69  | 49.89  | 32.72        | 7.73    | 7.93 | 4.9        | 2.08            | 102.6 |
| 1223     | 8/24/2011 05:46:18 | 19.58  | 49.89  | 32.73        | 7.73    | 7.93 | 4.1        | 2.15            | 102.3 |
| 1224     | 8/24/2011 06:01:18 | 19.36  | 49.91  | 32.74        | 7.65    | 7.92 | 4.6        | 2.20            | 100.9 |
| 1225     | 8/24/2011 06:16:18 | 19.13  | 49.90  | 32.74        | 7.52    | 7.91 | 4.6        | 2.26            | 98.7  |
| 1226     | 8/24/2011 06:31:18 | 18.65  | 49.89  | 32.73        | 7.31    | 7.89 | 4.7        | 2.32            | 95.1  |
| 1227     | 8/24/2011 06:46:18 | 18.53  | 49.84  | 32.69        | 7.24    | 7.88 | 4.9        | 2.40            | 94.0  |
| 1228     | 8/24/2011 07:01:18 | 18.31  | 49.84  | 32.69        | 7.18    | 7.87 | 5.0        | 2.46            | 92.7  |
| 1229     | 8/24/2011 07:16:18 | 18.09  | 49.83  | 32.68        | 7.14    | 7.87 | 4.6        | 2.52            | 91.8  |
| 1230     | 8/24/2011 07:31:18 | 18.02  | 49.84  | 32.69        | 7.12    | 7.87 | 4.8        | 2.57            | 91.5  |
| 1231     | 8/24/2011 07:46:18 | 17.92  | 49.83  | 32.68        | 7.09    | 7.87 | 4.3        | 2.63            | 90.9  |
| 1232     | 8/24/2011 08:01:18 | 17.79  | 49.81  | 32.67        | 7.10    | 7.87 | 4.7        | 2.69            | 90.9  |
| 1233     | 8/24/2011 08:16:18 | 17.68  | 49.75  | 32.62        | 7.05    | 7.87 | 4.4        | 2.73            | 90.0  |
| 1234     | 8/24/2011 08:31:18 | 17.44  | 49.70  | 32.58        | 7.01    | 7.86 | 4.5        | 2.78            | 89.1  |
| 1235     | 8/24/2011 08:46:18 | 17.29  | 49.71  | 32.59        | 6.97    | 7.86 | 4.5        | 2.83            | 88.3  |
| 1236     | 8/24/2011 09:01:18 | 17.13  | 49.74  | 32.61        | 6.99    | 7.86 | 4.3        | 2.86            | 88.2  |
| 1237     | 8/24/2011 09:16:18 | 17.06  | 49.74  | 32.61        | 6.96    | 7.86 | 3.8        | 2.90            | 87.8  |
| 1238     | 8/24/2011 09:31:19 | 16.97  | 49.74  | 32.61        | 6.98    | 7.86 | 4.2        | 2.93            | 87.9  |
| 1239     | 8/24/2011 09:46:18 | 16.82  | 49.71  | 32.58        | 6.98    | 7.86 | 3.5        | 2.95            | 87.6  |
| 1240     | 8/24/2011 10:01:18 | 16.73  | 49.61  | 32.51        | 6.95    | 7.87 | 3.0        | 2.97            | 87.0  |
| 1241     | 8/24/2011 10:16:18 | 16.88  | 49.79  | 32.64        | 6.86    | 7.85 | 3.8        | 2.97            | 86.2  |
| 1242     | 8/24/2011 10:31:18 | 16.78  | 49.72  | 32.59        | 6.82    | 7.85 | 3.6        | 2.94            | 85.5  |
| 1243     | 8/24/2011 10:46:18 | 16.80  | 49.73  | 32.60        | 6.78    | 7.85 | 3.2        | 2.95            | 85.1  |
| 1244     | 8/24/2011 11:01:19 | 16.89  | 49.73  | 32.60        | 6.75    | 7.85 | 3.2        | 2.91            | 84.9  |
| 1245     | 8/24/2011 11:16:18 | 17.18  | 49.63  | 32.53        | 6.81    | 7.86 | 3.7        | 2.86            | 86.0  |
| 1246     | 8/24/2011 11:31:18 | 17.38  | 49.71  | 32.59        | 6.89    | 7.87 | 4.1        | 2.84            | 87.5  |
| 1247     | 8/24/2011 11:46:18 | 17.56  | 49.74  | 32.61        | 6.89    | 7.86 | 3.9        | 2.80            | 87.7  |
| 1248     | 8/24/2011 12:01:18 | 17.70  | 49.72  | 32.60        | 6.90    | 7.86 | 4.0        | 2.74            | 88.1  |
| 1249     | 8/24/2011 12:16:18 | 17.96  | 49.75  | 32.62        | 7.14    | 7.87 | 4.0        | 2.70            | 91.6  |
| 1250     | 8/24/2011 12:31:18 | 18.08  | 49.75  | 32.62        | 7.25    | 7.89 | 3.9        | 2.66            | 93.2  |
| 1251     | 8/24/2011 12:46:18 | 18.12  | 49.82  | 32.67        | 7.21    | 7.88 | 4.1        | 2.63            | 92.8  |
| 1252     | 8/24/2011 13:01:18 | 18.23  | 49.79  | 32.66        | 7.23    | 7.88 | 3.8        | 2.58            | 93.3  |
| 1253     | 8/24/2011 13:16:18 | 18.38  | 49.82  | 32.67        | 7.48    | 7.90 | 4.2        | 2.56            | 96.7  |
| 1254     | 8/24/2011 13:31:18 | 18.70  | 49.76  | 32.63        | 7.75    | 7.92 | 3.8        | 2.54            | 100.9 |
| 1255     | 8/24/2011 13:46:18 | 18.84  | 49.85  | 32.70        | 7.76    | 7.91 | 4.5        | 2.52            | 101.3 |
| 1256     | 8/24/2011 14:01:18 | 18.95  | 49.84  | 32.69        | 7.36    | 7.91 | 5.7        | 2.51            | 96.3  |
| 1257     | 8/24/2011 14:16:18 | 18.82  | 49.84  | 32.69        | 7.86    | 7.91 | 4.8        | 2.51            | 102.5 |
| 1258     | 8/24/2011 14:31:18 | 18.58  | 49.82  | 32.68        | 7.56    | 7.89 | 4.1        | 2.52            | 98.1  |
| 1259     | 8/24/2011 14:46:18 | 18.51  | 49.81  | 32.67        | 7.52    | 7.89 | 3.8        | 2.52            | 97.6  |
| 1260     | 8/24/2011 15:01:18 | 18.60  | 49.83  | 32.68        | 7.51    | 7.89 | 3.9        | 2.55            | 97.6  |
| 1261     | 8/24/2011 15:16:18 | 18.76  | 49.83  | 32.68        | 7.47    | 7.89 | 3.5        | 2.57            | 97.4  |
| 1262     | 8/24/2011 15:31:18 | 18.74  | 49.84  | 32.69        | 7.46    | 7.89 | 3.8        | 2.60            | 97.1  |
| 1263     | 8/24/2011 15:46:18 | 18.62  | 49.80  | 32.66        | 7.49    | 7.89 | 4.3        | 2.64            | 97.3  |
| 1264     | 8/24/2011 16:01:18 | 18.57  | 49.76  | 32.63        | 7.70    | 7.91 | 4.9        | 2.69            | 100.0 |
| 1265     | 8/24/2011 16:16:18 | 18.35  | 49.77  | 32.64        | 7.47    | 7.89 | 4.1        | 2.74            | 96.5  |
| 1266     | 8/24/2011 16:31:18 | 18.17  | 49.77  | 32.63        | 7.25    | 7.88 | 3.9        | 2.78            | 93.4  |
| 1267     | 8/24/2011 16:46:18 | 17.94  | 49.77  | 32.63        | 7.07    | 7.86 | 4.0        | 2.83            | 90.7  |
| 1268     | 8/24/2011 17:01:19 | 17.54  | 49.74  | 32.61        | 6.98    | 7.86 | 4.0        | 2.89            | 88.8  |
| 1269     | 8/24/2011 17:16:18 | 17.16  | 49.72  | 32.60        | 7.15    | 7.87 | 4.0        | 2.94            | 90.3  |
| 1270     | 8/24/2011 17:31:18 | 16.83  | 49.72  | 32.59        | 7.36    | 7.88 | 4.0        | 3.00            | 92.4  |
| 1271     | 8/24/2011 17:46:19 | 16.47  | 49.70  | 32.57        | 7.47    | 7.89 | 3.9        | 3.06            | 93.1  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 1272     | 8/24/2011 18:01:19 | 16.19  | 49.70  | 32.56        | 7.59    | 7.90 | 5.1        | 3.12            | 94.1  |
| 1273     | 8/24/2011 18:16:18 | 15.96  | 49.68  | 32.55        | 7.74    | 7.91 | 4.1        | 3.19            | 95.5  |
| 1274     | 8/24/2011 18:31:18 | 15.64  | 49.70  | 32.55        | 7.94    | 7.93 | 4.0        | 3.24            | 97.4  |
| 1275     | 8/24/2011 18:46:18 | 15.53  | 49.70  | 32.56        | 8.06    | 7.94 | 3.8        | 3.30            | 98.7  |
| 1276     | 8/24/2011 19:01:18 | 15.42  | 49.69  | 32.55        | 8.36    | 7.96 | 6.7        | 3.36            | 102.0 |
| 1277     | 8/24/2011 19:16:18 | 15.18  | 49.72  | 32.56        | 8.42    | 7.96 | 4.2        | 3.41            | 102.4 |
| 1278     | 8/24/2011 19:31:18 | 15.00  | 49.73  | 32.57        | 8.53    | 7.97 | 4.3        | 3.46            | 103.3 |
| 1279     | 8/24/2011 19:46:18 | 14.88  | 49.68  | 32.52        | 8.53    | 7.97 | 3.4        | 3.51            | 103.0 |
| 1280     | 8/24/2011 20:01:18 | 14.72  | 49.69  | 32.53        | 8.61    | 7.97 | 3.3        | 3.54            | 103.7 |
| 1281     | 8/24/2011 20:16:18 | 14.62  | 49.68  | 32.52        | 8.66    | 7.98 | 2.9        | 3.55            | 104.0 |
| 1282     | 8/24/2011 20:31:18 | 14.67  | 49.72  | 32.55        | 8.40    | 7.96 | 3.0        | 3.57            | 101.0 |
| 1283     | 8/24/2011 20:46:18 | 14.53  | 49.73  | 32.55        | 8.39    | 7.96 | 3.3        | 3.56            | 100.6 |
| 1284     | 8/24/2011 21:01:18 | 14.42  | 49.75  | 32.57        | 8.55    | 7.97 | 5.7        | 3.54            | 102.3 |
| 1285     | 8/24/2011 21:16:18 | 14.46  | 49.76  | 32.58        | 8.61    | 7.98 | 3.8        | 3.51            | 103.2 |
| 1286     | 8/24/2011 21:31:18 | 14.86  | 49.90  | 32.69        | 8.30    | 7.97 | 3.5        | 3.47            | 100.3 |
| 1287     | 8/24/2011 21:46:18 | 15.74  | 49.56  | 32.46        | 7.87    | 7.93 | 5.2        | 3.42            | 96.6  |
| 1288     | 8/24/2011 22:01:18 | 15.56  | 49.80  | 32.63        | 7.95    | 7.94 | 5.0        | 3.35            | 97.4  |
| 1289     | 8/24/2011 22:16:18 | 16.63  | 49.75  | 32.61        | 7.75    | 7.94 | 5.9        | 3.27            | 96.9  |
| 1290     | 8/24/2011 22:31:18 | 16.35  | 49.79  | 32.64        | 7.87    | 7.94 | 4.3        | 3.20            | 97.9  |
| 1291     | 8/24/2011 22:46:18 | 16.72  | 49.76  | 32.62        | 7.78    | 7.94 | 4.5        | 3.11            | 97.5  |
| 1292     | 8/24/2011 23:01:18 | 16.88  | 49.76  | 32.62        | 7.77    | 7.94 | 4.8        | 3.03            | 97.6  |
| 1293     | 8/24/2011 23:16:18 | 17.25  | 49.81  | 32.66        | 7.70    | 7.94 | 4.4        | 2.95            | 97.5  |
| 1294     | 8/24/2011 23:31:18 | 17.55  | 49.82  | 32.67        | 7.68    | 7.94 | 4.8        | 2.86            | 97.8  |
| 1295     | 8/24/2011 23:46:18 | 17.79  | 49.82  | 32.68        | 7.57    | 7.94 | 5.1        | 2.76            | 96.9  |
| 1296     | 8/25/2011 00:01:18 | 18.06  | 49.78  | 32.65        | 7.65    | 7.95 | 5.6        | 2.66            | 98.4  |
| 1297     | 8/25/2011 00:16:18 | 18.20  | 49.87  | 32.71        | 7.52    | 7.94 | 5.8        | 2.57            | 97.0  |
| 1298     | 8/25/2011 00:31:18 | 18.15  | 49.85  | 32.70        | 7.58    | 7.94 | 5.9        | 2.46            | 97.7  |
| 1299     | 8/25/2011 00:46:18 | 18.24  | 49.87  | 32.71        | 7.38    | 7.93 | 7.0        | 2.35            | 95.2  |
| 1300     | 8/25/2011 01:01:18 | 18.15  | 49.85  | 32.69        | 7.28    | 7.92 | 7.8        | 2.23            | 93.8  |
| 1301     | 8/25/2011 01:16:18 | 18.26  | 49.89  | 32.72        | 7.25    | 7.92 | 6.8        | 2.13            | 93.6  |
| 1302     | 8/25/2011 01:31:18 | 18.46  | 49.93  | 32.75        | 7.22    | 7.92 | 6.5        | 2.01            | 93.6  |
| 1303     | 8/25/2011 01:46:18 | 18.71  | 49.93  | 32.75        | 7.23    | 7.92 | 6.3        | 1.90            | 94.1  |
| 1304     | 8/25/2011 02:01:18 | 18.76  | 49.96  | 32.78        | 7.10    | 7.92 | 6.0        | 1.79            | 92.5  |
| 1305     | 8/25/2011 02:16:18 | 18.97  | 50.00  | 32.81        | 7.11    | 7.92 | 5.7        | 1.71            | 93.1  |
| 1306     | 8/25/2011 02:31:18 | 19.11  | 49.99  | 32.80        | 7.08    | 7.92 | 5.1        | 1.63            | 93.0  |
| 1307     | 8/25/2011 02:46:18 | 19.50  | 50.02  | 32.83        | 7.25    | 7.94 | 4.9        | 1.55            | 95.9  |
| 1308     | 8/25/2011 03:01:18 | 19.62  | 50.01  | 32.81        | 7.29    | 7.94 | 4.2        | 1.50            | 96.6  |
| 1309     | 8/25/2011 03:16:18 | 20.02  | 50.07  | 32.86        | 7.53    | 7.97 | 4.2        | 1.47            | 100.6 |
| 1310     | 8/25/2011 03:31:18 | 20.15  | 50.07  | 32.86        | 7.65    | 7.98 | 3.9        | 1.46            | 102.5 |
| 1311     | 8/25/2011 03:46:18 | 20.16  | 50.10  | 32.88        | 7.38    | 7.96 | 3.4        | 1.45            | 98.8  |
| 1312     | 8/25/2011 04:01:18 | 20.15  | 50.08  | 32.86        | 7.64    | 7.99 | 3.5        | 1.48            | 102.2 |
| 1313     | 8/25/2011 04:16:18 | 20.09  | 50.08  | 32.87        | 7.70    | 7.98 | 3.6        | 1.52            | 103.0 |
| 1314     | 8/25/2011 04:31:18 | 20.02  | 50.08  | 32.87        | 7.66    | 7.98 | 3.6        | 1.55            | 102.4 |
| 1315     | 8/25/2011 04:46:18 | 20.11  | 50.06  | 32.85        | 7.81    | 7.99 | 4.1        | 1.60            | 104.5 |
| 1316     | 8/25/2011 05:01:18 | 20.05  | 50.05  | 32.85        | 7.79    | 7.98 | 4.6        | 1.68            | 104.1 |
| 1317     | 8/25/2011 05:16:18 | 20.00  | 50.01  | 32.81        | 7.62    | 7.97 | 5.2        | 1.72            | 101.6 |
| 1318     | 8/25/2011 05:31:18 | 19.98  | 49.95  | 32.77        | 7.56    | 7.96 | 5.7        | 1.80            | 100.9 |
| 1319     | 8/25/2011 05:46:18 | 19.89  | 49.93  | 32.76        | 7.50    | 7.95 | 5.1        | 1.86            | 99.9  |
| 1320     | 8/25/2011 06:01:18 | 19.84  | 49.90  | 32.73        | 7.41    | 7.95 | 5.7        | 1.93            | 98.6  |
| 1321     | 8/25/2011 06:16:18 | 19.70  | 49.94  | 32.76        | 7.46    | 7.94 | 5.6        | 2.00            | 99.0  |
| 1322     | 8/25/2011 06:31:18 | 19.54  | 49.91  | 32.74        | 7.41    | 7.94 | 4.8        | 2.08            | 98.0  |
| 1323     | 8/25/2011 06:46:18 | 19.36  | 49.89  | 32.73        | 7.37    | 7.93 | 5.0        | 2.16            | 97.1  |
| 1324     | 8/25/2011 07:01:18 | 19.21  | 49.83  | 32.69        | 7.30    | 7.92 | 5.3        | 2.24            | 96.0  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1325     | 8/25/2011 07:16:19 | 18.93  | 49.81           | 32.67        | 7.18            | 7.90 | 5.3               | 2.32            | 93.9  |
| 1326     | 8/25/2011 07:31:18 | 18.69  | 49.90           | 32.74        | 7.04            | 7.89 | 6.0               | 2.39            | 91.7  |
| 1327     | 8/25/2011 07:46:18 | 18.53  | 49.89           | 32.72        | 6.97            | 7.88 | 5.9               | 2.46            | 90.4  |
| 1328     | 8/25/2011 08:01:18 | 18.38  | 49.87           | 32.71        | 6.95            | 7.87 | 5.6               | 2.55            | 90.0  |
| 1329     | 8/25/2011 08:16:19 | 18.27  | 49.88           | 32.72        | 6.93            | 7.87 | 5.3               | 2.61            | 89.6  |
| 1330     | 8/25/2011 08:31:18 | 18.17  | 49.86           | 32.71        | 6.91            | 7.87 | 5.9               | 2.68            | 89.1  |
|          | Mean               | 17.01  | 49.77           | 32.62        | 7.82            | 7.92 | 7.5               | 2.59            | 98.5  |
|          | Minimum            | 12.52  | 48.97           | 32.01        | 5.78            | 7.69 | 2.3               | 1.18            | 72.9  |
|          | Maximum            | 20.16  | 50.10           | 32.88        | 10.34           | 8.22 | 282.4             | 3.78            | 132.4 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 0        | 8/25/2011 09:16:19 | 17.56  | 51.54  | 33.94        | 6.83    | 7.81 | 5.1        | 2.89   | 87.7  |
| 1        | 8/25/2011 09:31:19 | 17.26  | 51.48  | 33.88        | 6.89    | 7.82 | 5.1        | 2.93   | 88.0  |
| 2        | 8/25/2011 09:46:19 | 17.05  | 51.47  | 33.88        | 6.98    | 7.82 | 4.7        | 2.99   | 88.7  |
| 3        | 8/25/2011 10:01:19 | 16.86  | 51.48  | 33.88        | 7.04    | 7.83 | 4.3        | 3.03   | 89.1  |
| 4        | 8/25/2011 10:16:19 | 16.73  | 51.48  | 33.88        | 7.09    | 7.83 | 4.0        | 3.07   | 89.5  |
| 5        | 8/25/2011 10:31:19 | 16.67  | 51.48  | 33.88        | 7.08    | 7.83 | 3.6        | 3.10   | 89.3  |
| 6        | 8/25/2011 10:46:19 | 16.32  | 51.47  | 33.87        | 7.20    | 7.84 | 4.1        | 3.12   | 90.2  |
| 7        | 8/25/2011 11:01:18 | 16.72  | 51.37  | 33.80        | 6.93    | 7.83 | 4.1        | 3.12   | 87.4  |
| 8        | 8/25/2011 11:16:19 | 16.43  | 51.48  | 33.87        | 7.03    | 7.83 | 3.6        | 3.11   | 88.2  |
| 9        | 8/25/2011 11:31:19 | 16.57  | 51.47  | 33.87        | 6.98    | 7.83 | 3.5        | 3.08   | 87.8  |
| 10       | 8/25/2011 11:46:19 | 16.90  | 51.47  | 33.87        | 6.88    | 7.83 | 4.5        | 3.04   | 87.2  |
| 11       | 8/25/2011 12:01:19 | 17.47  | 51.58  | 33.96        | 7.00    | 7.84 | 4.4        | 3.00   | 89.7  |
| 12       | 8/25/2011 12:16:19 | 17.62  | 51.51  | 33.91        | 7.10    | 7.84 | 4.6        | 2.95   | 91.2  |
| 13       | 8/25/2011 12:31:19 | 17.80  | 51.49  | 33.90        | 7.23    | 7.86 | 4.8        | 2.87   | 93.2  |
| 14       | 8/25/2011 12:46:19 | 17.93  | 51.56  | 33.95        | 7.20    | 7.86 | 4.7        | 2.82   | 93.1  |
| 15       | 8/25/2011 13:01:19 | 18.06  | 51.56  | 33.95        | 7.27    | 7.86 | 4.3        | 2.76   | 94.2  |
| 16       | 8/25/2011 13:16:19 | 18.24  | 51.59  | 33.98        | 7.32    | 7.87 | 4.5        | 2.71   | 95.2  |
| 17       | 8/25/2011 13:31:19 | 18.40  | 51.58  | 33.97        | 7.41    | 7.87 | 4.3        | 2.64   | 96.7  |
| 18       | 8/25/2011 13:46:19 | 18.52  | 51.59  | 33.98        | 7.31    | 7.87 | 4.1        | 2.61   | 95.5  |
| 19       | 8/25/2011 14:01:18 | 18.65  | 51.53  | 33.93        | 7.42    | 7.88 | 4.2        | 2.57   | 97.2  |
| 20       | 8/25/2011 14:16:18 | 18.85  | 51.49  | 33.91        | 7.58    | 7.89 | 3.8        | 2.51   | 99.7  |
| 21       | 8/25/2011 14:31:18 | 18.95  | 51.56  | 33.95        | 7.63    | 7.89 | 3.8        | 2.49   | 100.6 |
| 22       | 8/25/2011 14:46:19 | 19.07  | 51.63  | 34.01        | 7.60    | 7.89 | 3.6        | 2.46   | 100.4 |
| 23       | 8/25/2011 15:01:19 | 19.13  | 51.64  | 34.02        | 7.87    | 7.91 | 3.5        | 2.45   | 104.1 |
| 24       | 8/25/2011 15:16:19 | 19.15  | 51.60  | 33.98        | 7.77    | 7.91 | 3.3        | 2.43   | 102.8 |
| 25       | 8/25/2011 15:31:19 | 19.17  | 51.62  | 34.00        | 8.25    | 7.92 | 4.9        | 2.43   | 109.2 |
| 26       | 8/25/2011 15:46:19 | 19.26  | 51.62  | 34.00        | 8.13    | 7.92 | 4.8        | 2.45   | 107.8 |
| 27       | 8/25/2011 16:01:19 | 19.27  | 51.65  | 34.02        | 7.84    | 7.90 | 4.3        | 2.47   | 104.0 |
| 28       | 8/25/2011 16:16:19 | 19.18  | 51.64  | 34.02        | 7.61    | 7.89 | 3.7        | 2.50   | 100.8 |
| 29       | 8/25/2011 16:31:19 | 19.27  | 51.66  | 34.03        | 7.58    | 7.89 | 4.0        | 2.53   | 100.6 |
| 30       | 8/25/2011 16:46:19 | 19.14  | 51.65  | 34.02        | 7.57    | 7.88 | 4.3        | 2.58   | 100.1 |
| 31       | 8/25/2011 17:01:19 | 18.86  | 51.57  | 33.97        | 7.34    | 7.87 | 4.8        | 2.63   | 96.6  |
| 32       | 8/25/2011 17:16:19 | 18.93  | 51.61  | 33.99        | 7.43    | 7.87 | 4.7        | 2.69   | 97.9  |
| 33       | 8/25/2011 17:31:19 | 18.61  | 51.61  | 33.99        | 7.44    | 7.87 | 5.2        | 2.75   | 97.5  |
| 34       | 8/25/2011 17:46:19 | 18.37  | 51.59  | 33.98        | 7.32    | 7.86 | 4.5        | 2.81   | 95.5  |
| 35       | 8/25/2011 18:01:18 | 17.78  | 51.44  | 33.87        | 7.19    | 7.85 | 4.8        | 2.88   | 92.6  |
| 36       | 8/25/2011 18:16:19 | 17.23  | 51.52  | 33.91        | 7.25    | 7.84 | 5.1        | 2.95   | 92.4  |
| 37       | 8/25/2011 18:31:19 | 17.04  | 51.48  | 33.89        | 7.30    | 7.85 | 4.9        | 3.01   | 92.7  |
| 38       | 8/25/2011 18:46:18 | 16.56  | 51.41  | 33.83        | 7.56    | 7.87 | 4.6        | 3.08   | 95.1  |
| 39       | 8/25/2011 19:01:19 | 16.32  | 51.48  | 33.88        | 7.70    | 7.87 | 4.9        | 3.16   | 96.4  |
| 40       | 8/25/2011 19:16:19 | 16.01  | 51.49  | 33.87        | 7.80    | 7.87 | 4.9        | 3.22   | 97.1  |
| 41       | 8/25/2011 19:31:19 | 15.56  | 51.44  | 33.83        | 8.10    | 7.89 | 4.8        | 3.29   | 99.9  |
| 42       | 8/25/2011 19:46:19 | 15.08  | 51.46  | 33.83        | 8.44    | 7.91 | 6.2        | 3.36   | 103.1 |
| 43       | 8/25/2011 20:01:19 | 15.04  | 51.44  | 33.82        | 8.55    | 7.92 | 5.6        | 3.43   | 104.4 |
| 44       | 8/25/2011 20:16:19 | 14.71  | 51.42  | 33.79        | 9.20    | 7.96 | 6.2        | 3.49   | 111.5 |
| 45       | 8/25/2011 20:31:19 | 14.46  | 51.43  | 33.80        | 9.41    | 7.97 | 5.4        | 3.55   | 113.6 |
| 46       | 8/25/2011 20:46:19 | 14.23  | 51.40  | 33.77        | 9.68    | 7.99 | 5.4        | 3.61   | 116.3 |
| 47       | 8/25/2011 21:01:19 | 14.11  | 51.43  | 33.78        | 9.82    | 7.99 | 4.2        | 3.65   | 117.7 |
| 48       | 8/25/2011 21:16:19 | 14.09  | 51.38  | 33.75        | 9.85    | 8.00 | 4.5        | 3.67   | 118.0 |
| 49       | 8/25/2011 21:31:19 | 14.05  | 51.41  | 33.77        | 9.86    | 8.00 | 2.7        | 3.70   | 118.0 |
| 50       | 8/25/2011 21:46:19 | 14.26  | 51.44  | 33.79        | 9.47    | 7.98 | 3.8        | 3.70   | 113.8 |
| 51       | 8/25/2011 22:01:19 | 14.12  | 51.40  | 33.76        | 9.59    | 7.98 | 2.9        | 3.68   | 114.9 |
| 52       | 8/25/2011 22:16:19 | 14.14  | 51.38  | 33.75        | 9.65    | 7.98 | 4.4        | 3.64   | 115.7 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 53       | 8/25/2011 22:31:19 | 14.28  | 51.42  | 33.78        | 9.43    | 7.97 | 4.8        | 3.59            | 113.4 |
| 54       | 8/25/2011 22:46:19 | 15.50  | 51.45  | 33.84        | 8.04    | 7.89 | 5.8        | 3.53            | 99.1  |
| 55       | 8/25/2011 23:01:19 | 15.74  | 51.48  | 33.87        | 8.00    | 7.89 | 6.6        | 3.43            | 99.0  |
| 56       | 8/25/2011 23:16:19 | 16.42  | 51.52  | 33.90        | 8.05    | 7.90 | 6.8        | 3.35            | 101.1 |
| 57       | 8/25/2011 23:31:19 | 16.15  | 51.49  | 33.88        | 8.09    | 7.90 | 6.1        | 3.26            | 101.1 |
| 58       | 8/25/2011 23:46:19 | 16.39  | 51.50  | 33.89        | 7.91    | 7.89 | 6.3        | 3.15            | 99.3  |
| 59       | 8/26/2011 00:01:19 | 16.68  | 51.51  | 33.90        | 7.66    | 7.88 | 5.2        | 3.06            | 96.6  |
| 60       | 8/26/2011 00:16:19 | 16.97  | 51.48  | 33.88        | 7.51    | 7.86 | 5.7        | 2.95            | 95.3  |
| 61       | 8/26/2011 00:31:19 | 17.28  | 51.58  | 33.96        | 7.33    | 7.86 | 6.2        | 2.84            | 93.6  |
| 62       | 8/26/2011 00:46:19 | 17.84  | 51.53  | 33.93        | 7.29    | 7.86 | 6.0        | 2.74            | 94.1  |
| 63       | 8/26/2011 01:01:19 | 18.17  | 51.62  | 34.00        | 7.29    | 7.86 | 7.2        | 2.62            | 94.6  |
| 64       | 8/26/2011 01:16:19 | 18.32  | 51.64  | 34.01        | 7.24    | 7.87 | 7.2        | 2.51            | 94.3  |
| 65       | 8/26/2011 01:31:19 | 18.35  | 51.64  | 34.01        | 7.05    | 7.85 | 6.5        | 2.39            | 91.9  |
| 66       | 8/26/2011 01:46:19 | 18.24  | 51.63  | 34.01        | 6.91    | 7.85 | 7.2        | 2.27            | 89.9  |
| 67       | 8/26/2011 02:01:19 | 18.34  | 51.64  | 34.01        | 6.94    | 7.85 | 8.4        | 2.15            | 90.4  |
| 68       | 8/26/2011 02:16:19 | 18.37  | 51.72  | 34.07        | 6.90    | 7.85 | 9.8        | 2.02            | 90.1  |
| 69       | 8/26/2011 02:31:19 | 18.38  | 51.65  | 34.02        | 6.83    | 7.84 | 8.1        | 1.90            | 89.0  |
| 70       | 8/26/2011 02:46:19 | 18.58  | 51.70  | 34.06        | 6.80    | 7.84 | 7.3        | 1.77            | 89.1  |
| 71       | 8/26/2011 03:01:19 | 18.78  | 51.72  | 34.07        | 6.78    | 7.84 | 6.2        | 1.68            | 89.2  |
| 72       | 8/26/2011 03:16:19 | 18.96  | 51.74  | 34.09        | 6.76    | 7.85 | 5.7        | 1.57            | 89.2  |
| 73       | 8/26/2011 03:31:19 | 19.39  | 51.81  | 34.14        | 6.84    | 7.86 | 5.9        | 1.47            | 91.0  |
| 74       | 8/26/2011 03:46:19 | 19.39  | 51.78  | 34.12        | 6.81    | 7.86 | 4.9        | 1.43            | 90.6  |
| 75       | 8/26/2011 04:01:19 | 19.50  | 51.80  | 34.13        | 6.76    | 7.86 | 7.8        | 1.38            | 90.1  |
| 76       | 8/26/2011 04:16:19 | 19.66  | 51.83  | 34.16        | 6.82    | 7.87 | 5.1        | 1.33            | 91.2  |
| 77       | 8/26/2011 04:31:19 | 19.83  | 51.86  | 34.17        | 6.86    | 7.88 | 4.0        | 1.33            | 92.0  |
| 78       | 8/26/2011 04:46:19 | 19.65  | 51.84  | 34.16        | 6.93    | 7.88 | 5.2        | 1.37            | 92.6  |
| 79       | 8/26/2011 05:01:19 | 19.77  | 51.85  | 34.17        | 7.05    | 7.89 | 4.3        | 1.40            | 94.5  |
| 80       | 8/26/2011 05:16:19 | 19.79  | 51.87  | 34.18        | 7.13    | 7.90 | 4.1        | 1.45            | 95.5  |
| 81       | 8/26/2011 05:31:19 | 19.80  | 51.85  | 34.17        | 7.19    | 7.90 | 4.3        | 1.53            | 96.4  |
| 82       | 8/26/2011 05:46:19 | 19.71  | 51.83  | 34.16        | 7.13    | 7.89 | 5.0        | 1.61            | 95.5  |
| 83       | 8/26/2011 06:01:19 | 19.78  | 51.55  | 33.95        | 7.03    | 7.88 | 7.6        | 1.67            | 94.1  |
| 84       | 8/26/2011 06:16:19 | 19.75  | 51.53  | 33.94        | 7.00    | 7.88 | 6.7        | 1.75            | 93.6  |
| 85       | 8/26/2011 06:31:19 | 19.66  | 51.58  | 33.97        | 7.00    | 7.88 | 6.7        | 1.83            | 93.5  |
| 86       | 8/26/2011 06:46:19 | 19.49  | 51.66  | 34.03        | 7.02    | 7.88 | 6.2        | 1.91            | 93.5  |
| 87       | 8/26/2011 07:01:19 | 19.37  | 51.69  | 34.05        | 6.98    | 7.87 | 5.9        | 1.98            | 92.8  |
| 88       | 8/26/2011 07:16:19 | 19.29  | 51.67  | 34.04        | 6.97    | 7.87 | 5.9        | 2.07            | 92.4  |
| 89       | 8/26/2011 07:31:18 | 19.18  | 51.63  | 34.01        | 6.92    | 7.87 | 5.9        | 2.16            | 91.6  |
| 90       | 8/26/2011 07:46:19 | 18.91  | 51.65  | 34.03        | 6.85    | 7.85 | 6.7        | 2.24            | 90.2  |
| 91       | 8/26/2011 08:01:19 | 18.65  | 51.63  | 34.01        | 6.77    | 7.84 | 6.7        | 2.33            | 88.7  |
| 92       | 8/26/2011 08:16:18 | 18.49  | 51.58  | 33.97        | 6.74    | 7.83 | 7.0        | 2.42            | 88.0  |
| 93       | 8/26/2011 08:31:19 | 18.29  | 51.61  | 33.99        | 6.75    | 7.83 | 6.9        | 2.51            | 87.8  |
| 94       | 8/26/2011 08:46:19 | 18.15  | 51.61  | 33.99        | 6.76    | 7.82 | 7.4        | 2.60            | 87.7  |
| 95       | 8/26/2011 09:01:19 | 17.96  | 51.59  | 33.97        | 6.77    | 7.82 | 7.8        | 2.67            | 87.6  |
| 96       | 8/26/2011 09:16:19 | 17.72  | 51.54  | 33.93        | 6.75    | 7.82 | 8.1        | 2.75            | 86.9  |
| 97       | 8/26/2011 09:31:19 | 17.50  | 51.36  | 33.80        | 6.77    | 7.81 | 7.9        | 2.82            | 86.7  |
| 98       | 8/26/2011 09:46:19 | 17.06  | 51.48  | 33.89        | 6.95    | 7.82 | 8.1        | 2.90            | 88.4  |
| 99       | 8/26/2011 10:01:19 | 16.84  | 51.48  | 33.88        | 7.05    | 7.83 | 8.2        | 2.96            | 89.3  |
| 100      | 8/26/2011 10:16:19 | 16.59  | 51.48  | 33.88        | 7.18    | 7.83 | 7.4        | 3.02            | 90.4  |
| 101      | 8/26/2011 10:31:19 | 16.21  | 51.41  | 33.82        | 7.44    | 7.85 | 6.5        | 3.09            | 93.0  |
| 102      | 8/26/2011 10:46:19 | 15.82  | 51.46  | 33.85        | 7.74    | 7.86 | 6.2        | 3.13            | 96.0  |
| 103      | 8/26/2011 11:01:19 | 15.64  | 51.42  | 33.82        | 7.89    | 7.87 | 5.0        | 3.17            | 97.5  |
| 104      | 8/26/2011 11:16:19 | 15.50  | 51.36  | 33.77        | 7.96    | 7.88 | 4.4        | 3.20            | 98.0  |
| 105      | 8/26/2011 11:31:18 | 15.36  | 51.34  | 33.75        | 7.96    | 7.89 | 3.4        | 3.22            | 97.8  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 106      | 8/26/2011 11:46:19 | 15.64  | 51.38  | 33.79        | 7.75    | 7.86 | 4.5        | 3.23            | 95.7  |
| 107      | 8/26/2011 12:01:19 | 15.40  | 51.43  | 33.82        | 7.91    | 7.87 | 4.5        | 3.19            | 97.3  |
| 108      | 8/26/2011 12:16:19 | 15.58  | 51.42  | 33.82        | 7.81    | 7.87 | 5.4        | 3.15            | 96.4  |
| 109      | 8/26/2011 12:31:19 | 16.02  | 51.45  | 33.85        | 7.66    | 7.86 | 5.7        | 3.11            | 95.4  |
| 110      | 8/26/2011 12:46:18 | 16.47  | 51.44  | 33.85        | 7.60    | 7.86 | 6.6        | 3.03            | 95.4  |
| 111      | 8/26/2011 13:01:19 | 16.87  | 51.48  | 33.88        | 7.57    | 7.86 | 7.1        | 2.96            | 95.9  |
| 112      | 8/26/2011 13:16:19 | 17.21  | 51.48  | 33.89        | 7.55    | 7.85 | 7.9        | 2.89            | 96.2  |
| 113      | 8/26/2011 13:31:19 | 17.45  | 51.52  | 33.92        | 7.51    | 7.86 | 6.5        | 2.81            | 96.2  |
| 114      | 8/26/2011 13:46:19 | 17.66  | 51.50  | 33.91        | 7.85    | 7.88 | 6.4        | 2.73            | 101.0 |
| 115      | 8/26/2011 14:01:19 | 17.76  | 51.53  | 33.93        | 8.04    | 7.89 | 6.0        | 2.67            | 103.6 |
| 116      | 8/26/2011 14:16:19 | 17.88  | 51.52  | 33.92        | 8.27    | 7.91 | 5.7        | 2.59            | 106.8 |
| 117      | 8/26/2011 14:31:19 | 18.05  | 51.50  | 33.91        | 8.58    | 7.93 | 5.2        | 2.53            | 111.1 |
| 118      | 8/26/2011 14:46:19 | 18.37  | 51.58  | 33.97        | 8.37    | 7.92 | 5.6        | 2.47            | 109.1 |
| 119      | 8/26/2011 15:01:19 | 18.48  | 51.54  | 33.94        | 8.57    | 7.93 | 5.1        | 2.41            | 112.0 |
| 120      | 8/26/2011 15:16:18 | 18.79  | 51.56  | 33.95        | 8.33    | 7.92 | 4.8        | 2.36            | 109.4 |
| 121      | 8/26/2011 15:31:18 | 18.87  | 51.56  | 33.96        | 8.65    | 7.94 | 5.1        | 2.32            | 113.8 |
| 122      | 8/26/2011 15:46:18 | 19.05  | 51.53  | 33.93        | 8.40    | 7.93 | 4.4        | 2.28            | 110.9 |
| 123      | 8/26/2011 16:01:18 | 19.24  | 51.61  | 34.00        | 8.61    | 7.94 | 4.0        | 2.26            | 114.2 |
| 124      | 8/26/2011 16:16:19 | 19.11  | 51.65  | 34.03        | 8.64    | 7.94 | 4.0        | 2.25            | 114.3 |
| 125      | 8/26/2011 16:31:19 | 19.11  | 51.60  | 33.99        | 8.62    | 7.94 | 4.2        | 2.25            | 114.0 |
| 126      | 8/26/2011 16:46:19 | 19.23  | 51.63  | 34.00        | 8.38    | 7.93 | 3.8        | 2.27            | 111.1 |
| 127      | 8/26/2011 17:01:19 | 19.26  | 51.65  | 34.02        | 8.05    | 7.91 | 3.7        | 2.30            | 106.8 |
| 128      | 8/26/2011 17:16:18 | 19.29  | 51.64  | 34.01        | 7.86    | 7.90 | 4.2        | 2.34            | 104.2 |
| 129      | 8/26/2011 17:31:18 | 19.23  | 51.57  | 33.96        | 7.78    | 7.90 | 4.1        | 2.39            | 103.0 |
| 130      | 8/26/2011 17:46:19 | 19.03  | 51.64  | 34.02        | 7.62    | 7.88 | 4.6        | 2.46            | 100.6 |
| 131      | 8/26/2011 18:01:19 | 19.22  | 51.60  | 33.99        | 7.68    | 7.88 | 7.1        | 2.52            | 101.7 |
| 132      | 8/26/2011 18:16:19 | 18.74  | 51.53  | 33.93        | 7.61    | 7.87 | 5.5        | 2.59            | 99.8  |
| 133      | 8/26/2011 18:31:19 | 18.56  | 51.57  | 33.97        | 7.61    | 7.87 | 5.7        | 2.66            | 99.5  |
| 134      | 8/26/2011 18:46:19 | 18.24  | 51.56  | 33.96        | 7.47    | 7.85 | 5.7        | 2.73            | 97.1  |
| 135      | 8/26/2011 19:01:19 | 17.84  | 51.52  | 33.92        | 7.35    | 7.84 | 5.8        | 2.81            | 94.8  |
| 136      | 8/26/2011 19:16:19 | 17.21  | 51.37  | 33.80        | 7.35    | 7.84 | 6.0        | 2.88            | 93.6  |
| 137      | 8/26/2011 19:31:19 | 16.96  | 51.50  | 33.90        | 7.37    | 7.84 | 6.6        | 2.96            | 93.5  |
| 138      | 8/26/2011 19:46:19 | 16.75  | 51.42  | 33.83        | 7.43    | 7.84 | 6.3        | 3.04            | 93.8  |
| 139      | 8/26/2011 20:01:19 | 16.36  | 51.45  | 33.85        | 7.61    | 7.85 | 7.3        | 3.12            | 95.4  |
| 140      | 8/26/2011 20:16:19 | 15.78  | 51.42  | 33.82        | 7.84    | 7.86 | 8.2        | 3.21            | 97.1  |
| 141      | 8/26/2011 20:31:19 | 15.27  | 51.34  | 33.75        | 8.15    | 7.87 | 9.6        | 3.29            | 99.9  |
| 142      | 8/26/2011 20:46:19 | 14.81  | 51.45  | 33.82        | 8.48    | 7.88 | 9.0        | 3.38            | 103.1 |
| 143      | 8/26/2011 21:01:19 | 14.40  | 51.38  | 33.75        | 8.71    | 7.81 | 8.7        | 3.47            | 104.9 |
| 144      | 8/26/2011 21:16:19 | 14.02  | 51.41  | 33.77        | 8.87    | 7.82 | 7.9        | 3.54            | 106.1 |
| 145      | 8/26/2011 21:31:19 | 13.78  | 51.43  | 33.77        | 8.98    | 7.83 | 6.2        | 3.61            | 106.8 |
| 146      | 8/26/2011 21:46:19 | 13.61  | 51.41  | 33.75        | 9.06    | 7.83 | 6.6        | 3.67            | 107.4 |
| 147      | 8/26/2011 22:01:19 | 13.49  | 51.37  | 33.72        | 9.13    | 7.83 | 4.8        | 3.72            | 108.0 |
| 148      | 8/26/2011 22:16:19 | 13.31  | 51.39  | 33.73        | 9.27    | 7.92 | 4.2        | 3.76            | 109.3 |
| 149      | 8/26/2011 22:31:19 | 13.28  | 51.39  | 33.73        | 9.25    | 7.84 | 3.2        | 3.78            | 108.9 |
| 150      | 8/26/2011 22:46:19 | 13.38  | 51.37  | 33.72        | 9.03    | 7.83 | 3.5        | 3.78            | 106.6 |
| 151      | 8/26/2011 23:01:19 | 13.28  | 51.45  | 33.77        | 9.15    | 7.96 | 3.8        | 3.77            | 107.8 |
| 152      | 8/26/2011 23:16:19 | 13.32  | 51.43  | 33.76        | 9.23    | 7.96 | 4.8        | 3.72            | 108.8 |
| 153      | 8/26/2011 23:31:19 | 14.13  | 51.47  | 33.82        | 8.53    | 7.80 | 5.6        | 3.66            | 102.3 |
| 154      | 8/26/2011 23:46:19 | 14.84  | 51.38  | 33.77        | 8.07    | 7.86 | 5.9        | 3.57            | 98.1  |
| 155      | 8/27/2011 00:01:19 | 14.85  | 51.49  | 33.85        | 8.20    | 7.87 | 5.6        | 3.47            | 99.8  |
| 156      | 8/27/2011 00:16:19 | 15.70  | 51.48  | 33.87        | 7.99    | 7.88 | 7.4        | 3.37            | 98.8  |
| 157      | 8/27/2011 00:31:19 | 15.70  | 51.48  | 33.87        | 8.01    | 7.87 | 9.9        | 3.25            | 99.1  |
| 158      | 8/27/2011 00:46:19 | 15.93  | 51.50  | 33.88        | 7.87    | 7.86 | 6.8        | 3.14            | 97.8  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 159      | 8/27/2011 01:01:19 | 15.97  | 51.47  | 33.86        | 7.72    | 7.85 | 6.6               | 3.03            | 96.1  |
| 160      | 8/27/2011 01:16:19 | 16.34  | 51.49  | 33.88        | 7.55    | 7.84 | 6.8               | 2.91            | 94.6  |
| 161      | 8/27/2011 01:31:19 | 16.83  | 51.50  | 33.90        | 7.24    | 7.83 | 7.6               | 2.79            | 91.6  |
| 162      | 8/27/2011 01:46:19 | 17.68  | 51.56  | 33.95        | 7.20    | 7.85 | 7.0               | 2.67            | 92.7  |
| 163      | 8/27/2011 02:01:19 | 17.94  | 51.61  | 33.99        | 7.26    | 7.86 | 6.7               | 2.55            | 93.9  |
| 164      | 8/27/2011 02:16:18 | 17.69  | 51.41  | 33.84        | 7.08    | 7.85 | 7.2               | 2.42            | 91.0  |
| 165      | 8/27/2011 02:31:19 | 17.62  | 51.62  | 34.00        | 6.93    | 7.83 | 8.5               | 2.27            | 89.1  |
| 166      | 8/27/2011 02:46:19 | 17.44  | 51.56  | 33.95        | 6.99    | 7.83 | 9.6               | 2.15            | 89.5  |
| 167      | 8/27/2011 03:01:19 | 17.50  | 51.63  | 34.00        | 6.92    | 7.82 | 9.7               | 2.02            | 88.7  |
| 168      | 8/27/2011 03:16:19 | 17.80  | 51.64  | 34.01        | 6.93    | 7.83 | 8.7               | 1.88            | 89.4  |
| 169      | 8/27/2011 03:31:19 | 17.94  | 51.67  | 34.03        | 6.80    | 7.82 | 8.5               | 1.74            | 87.9  |
| 170      | 8/27/2011 03:46:19 | 18.16  | 51.64  | 34.01        | 6.74    | 7.82 | 7.8               | 1.62            | 87.6  |
| 171      | 8/27/2011 04:01:19 | 18.41  | 51.65  | 34.02        | 6.81    | 7.83 | 6.5               | 1.53            | 88.8  |
| 172      | 8/27/2011 04:16:19 | 18.53  | 51.71  | 34.07        | 6.77    | 7.83 | 6.4               | 1.41            | 88.6  |
| 173      | 8/27/2011 04:31:19 | 18.80  | 51.75  | 34.10        | 6.88    | 7.85 | 7.3               | 1.31            | 90.4  |
| 174      | 8/27/2011 04:46:19 | 18.80  | 51.75  | 34.10        | 6.83    | 7.84 | 6.5               | 1.28            | 89.8  |
| 175      | 8/27/2011 05:01:19 | 18.87  | 51.75  | 34.10        | 6.84    | 7.85 | 5.3               | 1.24            | 90.0  |
| 176      | 8/27/2011 05:16:19 | 18.66  | 51.65  | 34.03        | 6.75    | 7.84 | 7.7               | 1.23            | 88.6  |
| 177      | 8/27/2011 05:31:18 | 19.03  | 51.78  | 34.12        | 7.03    | 7.87 | 4.9               | 1.26            | 92.9  |
| 178      | 8/27/2011 05:46:19 | 18.92  | 51.81  | 34.14        | 6.98    | 7.86 | 4.6               | 1.33            | 92.0  |
| 179      | 8/27/2011 06:01:19 | 19.22  | 51.83  | 34.15        | 7.19    | 7.89 | 4.6               | 1.40            | 95.3  |
| 180      | 8/27/2011 06:16:19 | 19.19  | 51.82  | 34.15        | 7.21    | 7.88 | 4.9               | 1.47            | 95.5  |
| 181      | 8/27/2011 06:31:19 | 19.08  | 51.64  | 34.01        | 7.12    | 7.87 | 5.6               | 1.55            | 94.0  |
| 182      | 8/27/2011 06:46:18 | 19.27  | 51.40  | 33.84        | 6.95    | 7.86 | 8.8               | 1.64            | 92.1  |
| 183      | 8/27/2011 07:01:19 | 19.16  | 51.53  | 33.94        | 6.94    | 7.86 | 7.8               | 1.74            | 91.8  |
| 184      | 8/27/2011 07:16:19 | 18.98  | 51.61  | 34.00        | 6.94    | 7.85 | 7.4               | 1.80            | 91.5  |
| 185      | 8/27/2011 07:31:19 | 18.85  | 51.61  | 33.99        | 6.90    | 7.85 | 6.7               | 1.90            | 90.7  |
| 186      | 8/27/2011 07:46:19 | 18.78  | 51.63  | 34.01        | 6.86    | 7.84 | 6.7               | 2.01            | 90.1  |
| 187      | 8/27/2011 08:01:19 | 18.68  | 51.63  | 34.01        | 6.83    | 7.84 | 7.3               | 2.09            | 89.6  |
| 188      | 8/27/2011 08:16:19 | 18.41  | 51.61  | 33.99        | 6.78    | 7.83 | 7.4               | 2.19            | 88.4  |
| 189      | 8/27/2011 08:31:19 | 18.20  | 51.61  | 33.99        | 6.73    | 7.82 | 8.2               | 2.29            | 87.5  |
| 190      | 8/27/2011 08:46:19 | 18.08  | 51.60  | 33.98        | 6.70    | 7.81 | 8.4               | 2.39            | 86.9  |
| 191      | 8/27/2011 09:01:19 | 17.90  | 51.57  | 33.96        | 6.72    | 7.81 | 9.2               | 2.49            | 86.8  |
| 192      | 8/27/2011 09:16:19 | 17.69  | 51.58  | 33.96        | 6.69    | 7.81 | 9.4               | 2.58            | 86.1  |
| 193      | 8/27/2011 09:31:19 | 17.49  | 51.56  | 33.95        | 6.72    | 7.80 | 9.2               | 2.68            | 86.2  |
| 194      | 8/27/2011 09:46:19 | 17.31  | 51.51  | 33.91        | 6.76    | 7.80 | 10.3              | 2.77            | 86.3  |
| 195      | 8/27/2011 10:01:19 | 16.99  | 51.45  | 33.87        | 6.87    | 7.81 | 11.0              | 2.86            | 87.2  |
| 196      | 8/27/2011 10:16:19 | 16.57  | 51.48  | 33.88        | 7.07    | 7.81 | 12.1              | 2.94            | 89.1  |
| 197      | 8/27/2011 10:31:19 | 16.21  | 51.42  | 33.83        | 7.23    | 7.82 | 10.9              | 3.02            | 90.3  |
| 198      | 8/27/2011 10:46:19 | 15.67  | 51.42  | 33.82        | 7.47    | 7.83 | 9.9               | 3.10            | 92.3  |
| 199      | 8/27/2011 11:01:19 | 15.19  | 51.43  | 33.81        | 7.66    | 7.84 | 9.5               | 3.18            | 93.9  |
| 200      | 8/27/2011 11:16:19 | 14.88  | 51.44  | 33.81        | 7.79    | 7.84 | 8.4               | 3.23            | 94.8  |
| 201      | 8/27/2011 11:31:19 | 14.66  | 51.39  | 33.77        | 7.86    | 7.85 | 7.6               | 3.29            | 95.3  |
| 202      | 8/27/2011 11:46:19 | 14.53  | 51.35  | 33.74        | 7.91    | 7.85 | 6.0               | 3.34            | 95.5  |
| 203      | 8/27/2011 12:01:19 | 14.41  | 51.40  | 33.77        | 7.88    | 7.85 | 5.2               | 3.36            | 95.0  |
| 204      | 8/27/2011 12:16:19 | 15.05  | 51.15  | 33.60        | 7.69    | 7.84 | 4.7               | 3.37            | 93.8  |
| 205      | 8/27/2011 12:31:19 | 14.48  | 51.41  | 33.78        | 7.74    | 7.84 | 5.2               | 3.35            | 93.4  |
| 206      | 8/27/2011 12:46:19 | 14.57  | 51.37  | 33.75        | 7.74    | 7.84 | 5.6               | 3.31            | 93.6  |
| 207      | 8/27/2011 13:01:19 | 14.77  | 51.52  | 33.87        | 7.74    | 7.84 | 6.2               | 3.26            | 94.1  |
| 208      | 8/27/2011 13:16:19 | 15.33  | 51.48  | 33.85        | 7.74    | 7.84 | 8.7               | 3.18            | 95.1  |
| 209      | 8/27/2011 13:31:19 | 16.10  | 51.41  | 33.82        | 7.86    | 7.86 | 8.2               | 3.09            | 98.0  |
| 210      | 8/27/2011 13:46:19 | 16.30  | 51.45  | 33.85        | 7.99    | 7.87 | 8.3               | 3.00            | 100.0 |
| 211      | 8/27/2011 14:01:19 | 16.89  | 51.48  | 33.88        | 7.77    | 7.85 | 10.1              | 2.90            | 98.4  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 212      | 8/27/2011 14:16:19 | 17.14  | 51.52           | 33.92        | 7.55            | 7.85 | 8.4               | 2.82            | 96.1  |
| 213      | 8/27/2011 14:31:19 | 17.45  | 51.52           | 33.92        | 7.58            | 7.85 | 8.9               | 2.72            | 97.1  |
| 214      | 8/27/2011 14:46:19 | 17.92  | 51.54           | 33.94        | 7.53            | 7.85 | 8.9               | 2.64            | 97.3  |
| 215      | 8/27/2011 15:01:19 | 18.15  | 51.54           | 33.94        | 7.62            | 7.86 | 7.9               | 2.55            | 98.9  |
| 216      | 8/27/2011 15:16:19 | 18.20  | 51.53           | 33.93        | 8.06            | 7.89 | 7.6               | 2.48            | 104.7 |
| 217      | 8/27/2011 15:31:19 | 18.34  | 51.58           | 33.97        | 7.85            | 7.88 | 6.8               | 2.39            | 102.3 |
| 218      | 8/27/2011 15:46:19 | 18.53  | 51.58           | 33.97        | 8.15            | 7.90 | 6.7               | 2.31            | 106.6 |
| 219      | 8/27/2011 16:01:19 | 18.63  | 51.59           | 33.98        | 8.47            | 7.92 | 5.6               | 2.25            | 110.9 |
| 220      | 8/27/2011 16:16:19 | 18.73  | 51.58           | 33.97        | 8.63            | 7.93 | 5.6               | 2.19            | 113.3 |
| 221      | 8/27/2011 16:31:19 | 18.79  | 51.58           | 33.97        | 8.71            | 7.93 | 5.1               | 2.13            | 114.4 |
| 222      | 8/27/2011 16:46:19 | 18.87  | 51.55           | 33.95        | 8.58            | 7.93 | 4.5               | 2.08            | 113.0 |
| 223      | 8/27/2011 17:01:19 | 18.93  | 51.59           | 33.98        | 8.72            | 7.94 | 4.6               | 2.06            | 114.9 |
| 224      | 8/27/2011 17:16:19 | 18.68  | 51.51           | 33.92        | 9.49            | 7.97 | 6.4               | 2.06            | 124.4 |
| 225      | 8/27/2011 17:31:19 | 19.00  | 51.62           | 34.00        | 8.80            | 7.94 | 4.5               | 2.06            | 116.1 |
| 226      | 8/27/2011 17:46:19 | 19.03  | 51.59           | 33.98        | 8.53            | 7.93 | 4.2               | 2.09            | 112.6 |
| 227      | 8/27/2011 18:01:19 | 19.16  | 51.65           | 34.02        | 8.34            | 7.92 | 4.2               | 2.13            | 110.4 |
| 228      | 8/27/2011 18:16:19 | 19.34  | 51.66           | 34.03        | 8.22            | 7.91 | 4.3               | 2.21            | 109.2 |
| 229      | 8/27/2011 18:31:19 | 19.15  | 51.65           | 34.02        | 8.12            | 7.91 | 5.8               | 2.27            | 107.4 |
| 230      | 8/27/2011 18:46:19 | 19.33  | 51.57           | 33.97        | 8.00            | 7.89 | 9.8               | 2.35            | 106.2 |
| 231      | 8/27/2011 19:01:19 | 18.93  | 51.58           | 33.97        | 7.85            | 7.88 | 8.1               | 2.44            | 103.4 |
| 232      | 8/27/2011 19:16:19 | 18.61  | 51.57           | 33.96        | 7.81            | 7.87 | 8.0               | 2.53            | 102.2 |
| 233      | 8/27/2011 19:31:19 | 18.28  | 51.56           | 33.95        | 7.65            | 7.86 | 7.4               | 2.61            | 99.6  |
| 234      | 8/27/2011 19:46:19 | 17.65  | 51.49           | 33.90        | 7.40            | 7.84 | 7.8               | 2.70            | 95.1  |
| 235      | 8/27/2011 20:01:19 | 17.35  | 51.50           | 33.90        | 7.27            | 7.83 | 7.6               | 2.78            | 93.0  |
| 236      | 8/27/2011 20:16:19 | 17.02  | 51.50           | 33.90        | 7.27            | 7.82 | 8.3               | 2.87            | 92.3  |
| 237      | 8/27/2011 20:31:19 | 16.80  | 51.46           | 33.87        | 7.27            | 7.82 | 9.1               | 2.96            | 91.9  |
| 238      | 8/27/2011 20:46:19 | 16.41  | 51.47           | 33.87        | 7.37            | 7.82 | 9.0               | 3.04            | 92.5  |
| 239      | 8/27/2011 21:01:19 | 15.82  | 51.43           | 33.83        | 7.46            | 7.82 | 10.0              | 3.15            | 92.5  |
| 240      | 8/27/2011 21:16:19 | 15.39  | 51.48           | 33.86        | 7.55            | 7.82 | 11.2              | 3.24            | 92.9  |
| 241      | 8/27/2011 21:31:19 | 14.68  | 51.36           | 33.75        | 7.74            | 7.82 | 11.5              | 3.34            | 93.9  |
| 242      | 8/27/2011 21:46:19 | 14.10  | 51.41           | 33.77        | 7.79            | 7.82 | 11.0              | 3.43            | 93.3  |
| 243      | 8/27/2011 22:01:19 | 13.68  | 51.44           | 33.78        | 7.84            | 7.75 | 8.8               | 3.52            | 93.2  |
| 244      | 8/27/2011 22:16:19 | 13.24  | 51.44           | 33.76        | 7.96            | 7.75 | 7.1               | 3.61            | 93.7  |
| 245      | 8/27/2011 22:31:19 | 12.93  | 51.27           | 33.63        | 8.09            | 7.76 | 7.0               | 3.68            | 94.5  |
| 246      | 8/27/2011 22:46:19 | 12.77  | 51.41           | 33.72        | 8.15            | 7.87 | 5.7               | 3.74            | 95.0  |
| 247      | 8/27/2011 23:01:19 | 12.76  | 51.34           | 33.67        | 8.13            | 7.87 | 5.1               | 3.79            | 94.7  |
| 248      | 8/27/2011 23:16:19 | 12.68  | 51.36           | 33.68        | 8.12            | 7.76 | 4.3               | 3.83            | 94.4  |
| 249      | 8/27/2011 23:31:19 | 12.99  | 51.27           | 33.62        | 7.91            | 7.86 | 3.2               | 3.84            | 92.6  |
| 250      | 8/27/2011 23:46:19 | 12.90  | 51.26           | 33.61        | 7.90            | 7.75 | 4.8               | 3.83            | 92.2  |
| 251      | 8/28/2011 00:01:19 | 12.76  | 51.33           | 33.66        | 8.01            | 7.75 | 4.1               | 3.80            | 93.3  |
| 252      | 8/28/2011 00:16:19 | 13.44  | 51.36           | 33.71        | 7.70            | 7.73 | 6.5               | 3.73            | 91.0  |
| 253      | 8/28/2011 00:31:19 | 14.27  | 51.60           | 33.91        | 7.46            | 7.73 | 6.4               | 3.65            | 89.7  |
| 254      | 8/28/2011 00:46:19 | 13.89  | 51.27           | 33.66        | 7.57            | 7.73 | 5.2               | 3.57            | 90.2  |
| 255      | 8/28/2011 01:01:19 | 14.67  | 51.48           | 33.84        | 7.47            | 7.81 | 5.9               | 3.45            | 90.5  |
| 256      | 8/28/2011 01:16:19 | 15.08  | 51.49           | 33.85        | 7.46            | 7.81 | 8.4               | 3.33            | 91.2  |
| 257      | 8/28/2011 01:31:19 | 14.93  | 51.48           | 33.85        | 7.47            | 7.81 | 7.0               | 3.21            | 91.0  |
| 258      | 8/28/2011 01:46:19 | 15.18  | 51.41           | 33.80        | 7.36            | 7.81 | 6.4               | 3.09            | 90.1  |
| 259      | 8/28/2011 02:01:19 | 15.65  | 51.45           | 33.84        | 7.23            | 7.80 | 7.5               | 2.96            | 89.3  |
| 260      | 8/28/2011 02:16:19 | 16.04  | 51.48           | 33.87        | 7.09            | 7.80 | 6.8               | 2.84            | 88.3  |
| 261      | 8/28/2011 02:31:18 | 16.45  | 51.35           | 33.78        | 6.97            | 7.81 | 9.1               | 2.70            | 87.5  |
| 262      | 8/28/2011 02:46:19 | 17.03  | 51.44           | 33.86        | 6.96            | 7.81 | 9.4               | 2.57            | 88.4  |
| 263      | 8/28/2011 03:01:19 | 17.10  | 51.51           | 33.91        | 6.89            | 7.81 | 7.4               | 2.44            | 87.7  |
| 264      | 8/28/2011 03:16:19 | 16.99  | 51.47           | 33.88        | 6.88            | 7.80 | 9.8               | 2.29            | 87.4  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 265      | 8/28/2011 03:31:19 | 16.97  | 51.56  | 33.94        | 6.83    | 7.80 | 10.5       | 2.15            | 86.7  |
| 266      | 8/28/2011 03:46:19 | 17.00  | 51.55  | 33.94        | 6.83    | 7.80 | 10.8       | 2.01            | 86.7  |
| 267      | 8/28/2011 04:01:19 | 17.32  | 51.61  | 33.99        | 6.80    | 7.80 | 9.4        | 1.88            | 86.9  |
| 268      | 8/28/2011 04:16:19 | 17.54  | 51.58  | 33.97        | 6.73    | 7.80 | 9.7        | 1.73            | 86.3  |
| 269      | 8/28/2011 04:31:19 | 17.86  | 51.68  | 34.04        | 6.79    | 7.81 | 9.5        | 1.58            | 87.7  |
| 270      | 8/28/2011 04:46:19 | 18.11  | 51.67  | 34.03        | 6.84    | 7.82 | 9.6        | 1.47            | 88.8  |
| 271      | 8/28/2011 05:01:19 | 18.27  | 51.68  | 34.04        | 6.88    | 7.83 | 8.8        | 1.37            | 89.6  |
| 272      | 8/28/2011 05:16:19 | 18.43  | 51.66  | 34.03        | 6.92    | 7.83 | 9.2        | 1.26            | 90.3  |
| 273      | 8/28/2011 05:31:19 | 18.56  | 51.69  | 34.05        | 6.93    | 7.84 | 7.7        | 1.21            | 90.7  |
| 274      | 8/28/2011 05:46:18 | 18.70  | 51.69  | 34.05        | 6.95    | 7.85 | 6.9        | 1.19            | 91.2  |
| 275      | 8/28/2011 06:01:19 | 18.45  | 51.69  | 34.05        | 6.90    | 7.83 | 8.5        | 1.17            | 90.1  |
| 276      | 8/28/2011 06:16:19 | 18.58  | 51.74  | 34.09        | 7.02    | 7.84 | 6.5        | 1.22            | 91.9  |
| 277      | 8/28/2011 06:31:19 | 18.66  | 51.75  | 34.10        | 7.01    | 7.85 | 5.8        | 1.31            | 91.9  |
| 278      | 8/28/2011 06:46:19 | 18.94  | 51.79  | 34.13        | 7.32    | 7.88 | 11.3       | 1.37            | 96.5  |
| 279      | 8/28/2011 07:01:19 | 18.86  | 51.72  | 34.07        | 7.29    | 7.88 | 7.8        | 1.46            | 96.0  |
| 280      | 8/28/2011 07:16:18 | 18.82  | 51.59  | 33.98        | 7.11    | 7.86 | 9.0        | 1.57            | 93.5  |
| 281      | 8/28/2011 07:31:19 | 18.92  | 51.46  | 33.88        | 6.96    | 7.84 | 11.6       | 1.65            | 91.7  |
| 282      | 8/28/2011 07:46:19 | 18.77  | 51.45  | 33.87        | 7.00    | 7.84 | 10.1       | 1.74            | 91.8  |
| 283      | 8/28/2011 08:01:18 | 18.60  | 51.51  | 33.92        | 6.95    | 7.85 | 9.3        | 1.84            | 91.0  |
| 284      | 8/28/2011 08:16:19 | 18.47  | 51.52  | 33.93        | 6.90    | 7.83 | 8.7        | 1.94            | 90.1  |
| 285      | 8/28/2011 08:31:19 | 18.37  | 51.61  | 33.99        | 6.88    | 7.83 | 8.4        | 2.05            | 89.7  |
| 286      | 8/28/2011 08:46:19 | 18.20  | 51.59  | 33.97        | 6.82    | 7.82 | 9.4        | 2.16            | 88.6  |
| 287      | 8/28/2011 09:01:19 | 17.94  | 51.59  | 33.97        | 6.79    | 7.81 | 9.5        | 2.27            | 87.8  |
| 288      | 8/28/2011 09:16:18 | 17.76  | 51.49  | 33.90        | 6.75    | 7.81 | 9.3        | 2.38            | 87.0  |
| 289      | 8/28/2011 09:31:19 | 17.60  | 51.59  | 33.97        | 6.75    | 7.80 | 10.3       | 2.48            | 86.8  |
| 290      | 8/28/2011 09:46:19 | 17.34  | 51.57  | 33.95        | 6.73    | 7.80 | 11.5       | 2.59            | 86.0  |
| 291      | 8/28/2011 10:01:19 | 17.14  | 51.55  | 33.93        | 6.74    | 7.79 | 11.7       | 2.69            | 85.8  |
| 292      | 8/28/2011 10:16:19 | 16.92  | 51.55  | 33.93        | 6.76    | 7.79 | 11.9       | 2.79            | 85.7  |
| 293      | 8/28/2011 10:31:19 | 16.40  | 51.44  | 33.85        | 6.86    | 7.79 | 14.0       | 2.89            | 86.0  |
| 294      | 8/28/2011 10:46:19 | 15.99  | 51.45  | 33.85        | 6.95    | 7.79 | 14.6       | 2.98            | 86.5  |
| 295      | 8/28/2011 11:01:19 | 15.30  | 51.35  | 33.76        | 7.15    | 7.79 | 13.0       | 3.07            | 87.7  |
| 296      | 8/28/2011 11:16:19 | 14.84  | 51.45  | 33.82        | 7.26    | 7.79 | 13.1       | 3.16            | 88.3  |
| 297      | 8/28/2011 11:31:19 | 14.42  | 51.39  | 33.77        | 7.35    | 7.72 | 13.1       | 3.24            | 88.7  |
| 298      | 8/28/2011 11:46:19 | 14.17  | 51.44  | 33.79        | 7.40    | 7.72 | 11.6       | 3.32            | 88.8  |
| 299      | 8/28/2011 12:01:19 | 13.84  | 51.33  | 33.70        | 7.46    | 7.72 | 8.9        | 3.38            | 88.9  |
| 300      | 8/28/2011 12:16:19 | 13.56  | 51.37  | 33.72        | 7.47    | 7.83 | 7.1        | 3.44            | 88.5  |
| 301      | 8/28/2011 12:31:19 | 13.28  | 51.37  | 33.71        | 7.49    | 7.83 | 5.9        | 3.48            | 88.2  |
| 302      | 8/28/2011 12:46:19 | 13.07  | 51.41  | 33.74        | 7.45    | 7.82 | 3.6        | 3.49            | 87.3  |
| 303      | 8/28/2011 13:01:19 | 13.12  | 51.38  | 33.71        | 7.39    | 7.71 | 4.5        | 3.49            | 86.7  |
| 304      | 8/28/2011 13:16:19 | 13.05  | 51.29  | 33.64        | 7.43    | 7.71 | 5.2        | 3.46            | 87.1  |
| 305      | 8/28/2011 13:31:19 | 13.28  | 51.33  | 33.68        | 7.39    | 7.82 | 6.8        | 3.40            | 87.0  |
| 306      | 8/28/2011 13:46:19 | 14.47  | 51.46  | 33.81        | 7.54    | 7.85 | 9.3        | 3.32            | 91.1  |
| 307      | 8/28/2011 14:01:19 | 15.10  | 51.42  | 33.81        | 7.65    | 7.74 | 11.8       | 3.22            | 93.5  |
| 308      | 8/28/2011 14:16:19 | 15.33  | 51.42  | 33.81        | 7.89    | 7.83 | 9.7        | 3.12            | 96.9  |
| 309      | 8/28/2011 14:31:19 | 16.11  | 51.45  | 33.85        | 7.65    | 7.83 | 13.1       | 3.01            | 95.4  |
| 310      | 8/28/2011 14:46:19 | 16.39  | 51.50  | 33.89        | 7.60    | 7.83 | 11.0       | 2.91            | 95.4  |
| 311      | 8/28/2011 15:01:19 | 16.82  | 51.51  | 33.91        | 7.64    | 7.83 | 10.6       | 2.80            | 96.6  |
| 312      | 8/28/2011 15:16:19 | 17.34  | 51.51  | 33.91        | 7.80    | 7.85 | 10.3       | 2.70            | 99.7  |
| 313      | 8/28/2011 15:31:19 | 17.48  | 51.55  | 33.94        | 7.79    | 7.85 | 10.0       | 2.59            | 99.8  |
| 314      | 8/28/2011 15:46:19 | 17.64  | 51.55  | 33.94        | 7.89    | 7.86 | 8.7        | 2.48            | 101.5 |
| 315      | 8/28/2011 16:01:19 | 17.84  | 51.57  | 33.96        | 8.16    | 7.88 | 8.9        | 2.38            | 105.3 |
| 316      | 8/28/2011 16:16:19 | 17.93  | 51.51  | 33.92        | 8.50    | 7.90 | 8.7        | 2.29            | 109.9 |
| 317      | 8/28/2011 16:31:19 | 18.05  | 51.54  | 33.94        | 8.71    | 7.91 | 8.4        | 2.18            | 112.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 318      | 8/28/2011 16:46:19 | 17.82  | 51.56           | 33.95        | 9.03            | 7.94 | 7.6               | 2.09            | 116.5 |
| 319      | 8/28/2011 17:01:19 | 17.97  | 51.57           | 33.96        | 9.09            | 7.94 | 7.2               | 2.00            | 117.6 |
| 320      | 8/28/2011 17:16:19 | 18.11  | 51.55           | 33.94        | 9.06            | 7.94 | 6.8               | 1.94            | 117.5 |
| 321      | 8/28/2011 17:31:19 | 18.19  | 51.56           | 33.95        | 8.85            | 7.93 | 5.8               | 1.87            | 115.0 |
| 322      | 8/28/2011 17:46:19 | 18.43  | 51.57           | 33.96        | 8.92            | 7.94 | 5.7               | 1.84            | 116.4 |
| 323      | 8/28/2011 18:01:19 | 18.78  | 51.62           | 34.00        | 8.62            | 7.93 | 4.3               | 1.83            | 113.2 |
| 324      | 8/28/2011 18:16:19 | 18.18  | 51.51           | 33.92        | 9.11            | 7.94 | 7.4               | 1.84            | 118.3 |
| 325      | 8/28/2011 18:31:19 | 19.04  | 51.62           | 34.00        | 8.73            | 7.94 | 4.3               | 1.88            | 115.3 |
| 326      | 8/28/2011 18:46:19 | 18.96  | 51.63           | 34.01        | 8.53            | 7.92 | 4.5               | 1.92            | 112.4 |
| 327      | 8/28/2011 19:01:19 | 19.09  | 51.67           | 34.04        | 8.56            | 7.93 | 5.3               | 2.00            | 113.2 |
| 328      | 8/28/2011 19:16:19 | 18.92  | 51.64           | 34.02        | 8.40            | 7.91 | 6.3               | 2.08            | 110.6 |
| 329      | 8/28/2011 19:31:19 | 19.11  | 51.55           | 33.95        | 8.13            | 7.89 | 10.2              | 2.17            | 107.4 |
| 330      | 8/28/2011 19:46:19 | 18.87  | 51.55           | 33.95        | 8.10            | 7.89 | 9.6               | 2.27            | 106.6 |
| 331      | 8/28/2011 20:01:19 | 18.53  | 51.57           | 33.96        | 8.08            | 7.88 | 7.8               | 2.37            | 105.6 |
| 332      | 8/28/2011 20:16:19 | 18.35  | 51.57           | 33.97        | 8.00            | 7.87 | 7.4               | 2.46            | 104.3 |
| 333      | 8/28/2011 20:31:19 | 17.72  | 51.56           | 33.95        | 7.53            | 7.84 | 8.3               | 2.56            | 97.0  |
| 334      | 8/28/2011 20:46:19 | 17.42  | 51.52           | 33.92        | 7.31            | 7.82 | 8.3               | 2.65            | 93.6  |
| 335      | 8/28/2011 21:01:19 | 17.17  | 51.51           | 33.91        | 7.20            | 7.81 | 8.7               | 2.74            | 91.7  |
| 336      | 8/28/2011 21:16:19 | 16.93  | 51.47           | 33.88        | 7.16            | 7.80 | 8.9               | 2.84            | 90.8  |
| 337      | 8/28/2011 21:31:19 | 16.54  | 51.49           | 33.89        | 7.20            | 7.80 | 10.0              | 2.94            | 90.6  |
| 338      | 8/28/2011 21:46:19 | 16.06  | 51.48           | 33.87        | 7.27            | 7.80 | 11.4              | 3.03            | 90.7  |
| 339      | 8/28/2011 22:01:19 | 15.66  | 51.38           | 33.79        | 7.36            | 7.80 | 14.5              | 3.13            | 90.9  |
| 340      | 8/28/2011 22:16:19 | 14.99  | 51.41           | 33.79        | 7.46            | 7.79 | 12.6              | 3.23            | 90.9  |
| 341      | 8/28/2011 22:31:19 | 14.53  | 51.42           | 33.79        | 7.50            | 7.79 | 12.2              | 3.33            | 90.7  |
| 342      | 8/28/2011 22:46:19 | 13.81  | 51.40           | 33.75        | 7.63            | 7.83 | 12.8              | 3.43            | 90.9  |
| 343      | 8/28/2011 23:01:19 | 13.41  | 51.40           | 33.73        | 7.71            | 7.79 | 11.3              | 3.52            | 91.0  |
| 344      | 8/28/2011 23:16:19 | 13.16  | 51.29           | 33.65        | 7.81            | 7.79 | 8.5               | 3.61            | 91.7  |
| 345      | 8/28/2011 23:31:19 | 13.01  | 51.39           | 33.72        | 7.87            | 7.79 | 6.9               | 3.69            | 92.1  |
| 346      | 8/28/2011 23:46:19 | 12.78  | 51.37           | 33.69        | 7.97            | 7.80 | 5.4               | 3.75            | 92.9  |
| 347      | 8/29/2011 00:01:19 | 12.56  | 51.40           | 33.71        | 8.01            | 7.80 | 4.4               | 3.80            | 93.0  |
| 348      | 8/29/2011 00:16:19 | 12.47  | 51.40           | 33.70        | 7.98            | 7.80 | 3.8               | 3.83            | 92.5  |
| 349      | 8/29/2011 00:31:19 | 12.99  | 51.34           | 33.67        | 7.74            | 7.79 | 4.2               | 3.83            | 90.6  |
| 350      | 8/29/2011 00:46:19 | 12.65  | 51.39           | 33.70        | 7.79            | 7.79 | 4.5               | 3.82            | 90.6  |
| 351      | 8/29/2011 01:01:19 | 12.86  | 51.31           | 33.65        | 7.75            | 7.78 | 5.9               | 3.75            | 90.4  |
| 352      | 8/29/2011 01:16:19 | 12.98  | 51.43           | 33.74        | 7.70            | 7.79 | 6.1               | 3.68            | 90.1  |
| 353      | 8/29/2011 01:31:19 | 13.76  | 51.32           | 33.69        | 7.43            | 7.71 | 10.6              | 3.58            | 88.4  |
| 354      | 8/29/2011 01:46:19 | 13.42  | 51.37           | 33.71        | 7.59            | 7.78 | 6.7               | 3.46            | 89.7  |
| 355      | 8/29/2011 02:01:19 | 14.52  | 51.48           | 33.84        | 7.40            | 7.83 | 10.0              | 3.34            | 89.4  |
| 356      | 8/29/2011 02:16:19 | 14.63  | 51.47           | 33.83        | 7.39            | 7.83 | 7.7               | 3.22            | 89.5  |
| 357      | 8/29/2011 02:31:19 | 14.68  | 51.47           | 33.83        | 7.32            | 7.71 | 7.4               | 3.09            | 88.8  |
| 358      | 8/29/2011 02:46:19 | 15.24  | 51.49           | 33.86        | 7.14            | 7.82 | 7.6               | 2.95            | 87.6  |
| 359      | 8/29/2011 03:01:19 | 15.73  | 51.38           | 33.79        | 7.01            | 7.71 | 8.1               | 2.83            | 86.8  |
| 360      | 8/29/2011 03:16:19 | 16.22  | 51.53           | 33.91        | 6.94            | 7.78 | 8.4               | 2.70            | 86.8  |
| 361      | 8/29/2011 03:31:19 | 16.62  | 51.49           | 33.88        | 7.00            | 7.79 | 8.9               | 2.55            | 88.2  |
| 362      | 8/29/2011 03:46:19 | 16.45  | 51.52           | 33.91        | 6.91            | 7.79 | 8.7               | 2.43            | 86.8  |
| 363      | 8/29/2011 04:01:19 | 16.05  | 51.47           | 33.86        | 6.94            | 7.77 | 8.5               | 2.28            | 86.5  |
| 364      | 8/29/2011 04:16:19 | 16.36  | 51.55           | 33.93        | 6.93            | 7.78 | 9.5               | 2.14            | 87.0  |
| 365      | 8/29/2011 04:31:19 | 16.53  | 51.52           | 33.91        | 6.87            | 7.78 | 9.3               | 1.98            | 86.4  |
| 366      | 8/29/2011 04:46:19 | 16.66  | 51.54           | 33.92        | 6.76            | 7.77 | 9.3               | 1.84            | 85.3  |
| 367      | 8/29/2011 05:01:19 | 16.82  | 51.61           | 33.98        | 6.60            | 7.77 | 8.9               | 1.71            | 83.6  |
| 368      | 8/29/2011 05:16:19 | 17.22  | 51.49           | 33.90        | 6.68            | 7.78 | 8.1               | 1.56            | 85.2  |
| 369      | 8/29/2011 05:31:18 | 17.64  | 51.52           | 33.92        | 6.77            | 7.81 | 7.9               | 1.43            | 87.1  |
| 370      | 8/29/2011 05:46:19 | 17.71  | 51.65           | 34.02        | 6.74            | 7.80 | 7.3               | 1.33            | 86.8  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 371      | 8/29/2011 06:01:19 | 17.90  | 51.54  | 33.94        | 6.78    | 7.80 | 8.9        | 1.24            | 87.6  |
| 372      | 8/29/2011 06:16:19 | 18.07  | 51.67  | 34.04        | 6.79    | 7.81 | 8.9        | 1.19            | 88.0  |
| 373      | 8/29/2011 06:31:19 | 17.89  | 51.76  | 34.10        | 6.78    | 7.81 | 9.4        | 1.18            | 87.7  |
| 374      | 8/29/2011 06:46:19 | 18.05  | 51.66  | 34.03        | 6.87    | 7.81 | 7.5        | 1.21            | 89.1  |
| 375      | 8/29/2011 07:01:19 | 18.35  | 51.70  | 34.06        | 7.02    | 7.84 | 5.9        | 1.28            | 91.5  |
| 376      | 8/29/2011 07:16:19 | 18.46  | 51.74  | 34.09        | 7.18    | 7.85 | 5.7        | 1.35            | 93.9  |
| 377      | 8/29/2011 07:31:19 | 18.59  | 51.78  | 34.12        | 7.32    | 7.87 | 5.9        | 1.46            | 95.9  |
| 378      | 8/29/2011 07:46:19 | 18.49  | 51.78  | 34.12        | 7.22    | 7.86 | 6.9        | 1.54            | 94.4  |
| 379      | 8/29/2011 08:01:19 | 18.41  | 51.47  | 33.89        | 7.02    | 7.84 | 9.3        | 1.64            | 91.5  |
| 380      | 8/29/2011 08:16:19 | 18.35  | 51.55  | 33.95        | 7.00    | 7.84 | 9.2        | 1.75            | 91.2  |
| 381      | 8/29/2011 08:31:19 | 18.15  | 51.58  | 33.97        | 6.97    | 7.83 | 8.2        | 1.83            | 90.5  |
| 382      | 8/29/2011 08:46:19 | 17.99  | 51.54  | 33.94        | 6.93    | 7.82 | 7.9        | 1.94            | 89.7  |
| 383      | 8/29/2011 09:01:19 | 17.88  | 51.61  | 33.99        | 6.90    | 7.82 | 7.5        | 2.05            | 89.2  |
| 384      | 8/29/2011 09:16:19 | 17.70  | 51.64  | 34.01        | 6.85    | 7.81 | 7.8        | 2.15            | 88.2  |
| 385      | 8/29/2011 09:31:19 | 17.53  | 51.61  | 33.99        | 6.83    | 7.80 | 8.1        | 2.27            | 87.7  |
| 386      | 8/29/2011 09:46:19 | 17.36  | 51.57  | 33.96        | 6.81    | 7.79 | 9.0        | 2.39            | 87.1  |
| 387      | 8/29/2011 10:01:19 | 17.13  | 51.58  | 33.96        | 6.83    | 7.79 | 9.9        | 2.50            | 87.0  |
| 388      | 8/29/2011 10:16:19 | 16.84  | 51.53  | 33.92        | 6.82    | 7.78 | 10.7       | 2.61            | 86.3  |
| 389      | 8/29/2011 10:31:19 | 16.61  | 51.48  | 33.88        | 6.83    | 7.78 | 12.0       | 2.72            | 86.0  |
| 390      | 8/29/2011 10:46:19 | 16.43  | 51.50  | 33.89        | 6.85    | 7.78 | 13.8       | 2.83            | 86.0  |
| 391      | 8/29/2011 11:01:19 | 16.00  | 51.47  | 33.86        | 6.92    | 7.77 | 15.7       | 2.93            | 86.2  |
| 392      | 8/29/2011 11:16:19 | 15.38  | 51.46  | 33.84        | 7.03    | 7.71 | 13.9       | 3.03            | 86.4  |
| 393      | 8/29/2011 11:31:19 | 14.59  | 51.46  | 33.82        | 7.12    | 7.76 | 14.3       | 3.14            | 86.1  |
| 394      | 8/29/2011 11:46:19 | 14.15  | 51.45  | 33.80        | 7.18    | 7.76 | 13.0       | 3.22            | 86.2  |
| 395      | 8/29/2011 12:01:19 | 13.78  | 51.46  | 33.79        | 7.25    | 7.76 | 11.8       | 3.32            | 86.3  |
| 396      | 8/29/2011 12:16:19 | 13.45  | 51.45  | 33.78        | 7.30    | 7.76 | 10.0       | 3.40            | 86.2  |
| 397      | 8/29/2011 12:31:19 | 13.05  | 51.48  | 33.78        | 7.37    | 7.76 | 9.8        | 3.48            | 86.4  |
| 398      | 8/29/2011 12:46:19 | 12.75  | 51.49  | 33.77        | 7.42    | 7.76 | 7.3        | 3.55            | 86.4  |
| 399      | 8/29/2011 13:01:19 | 12.52  | 51.48  | 33.76        | 7.42    | 7.76 | 5.2        | 3.59            | 86.1  |
| 400      | 8/29/2011 13:16:19 | 12.42  | 51.48  | 33.76        | 7.40    | 7.76 | 5.0        | 3.63            | 85.6  |
| 401      | 8/29/2011 13:31:19 | 12.88  | 51.45  | 33.75        | 7.36    | 7.76 | 4.6        | 3.63            | 86.1  |
| 402      | 8/29/2011 13:46:19 | 12.62  | 51.45  | 33.74        | 7.27    | 7.75 | 5.5        | 3.61            | 84.5  |
| 403      | 8/29/2011 14:01:19 | 12.61  | 51.44  | 33.73        | 7.30    | 7.75 | 6.3        | 3.55            | 84.9  |
| 404      | 8/29/2011 14:16:19 | 13.08  | 51.37  | 33.70        | 7.34    | 7.76 | 9.3        | 3.46            | 86.1  |
| 405      | 8/29/2011 14:31:19 | 14.51  | 51.34  | 33.73        | 7.94    | 7.81 | 9.5        | 3.37            | 95.8  |
| 406      | 8/29/2011 14:46:19 | 14.67  | 51.31  | 33.71        | 7.84    | 7.85 | 13.7       | 3.25            | 95.0  |
| 407      | 8/29/2011 15:01:19 | 15.34  | 51.48  | 33.85        | 7.63    | 7.74 | 12.6       | 3.13            | 93.7  |
| 408      | 8/29/2011 15:16:19 | 15.62  | 51.44  | 33.83        | 7.74    | 7.81 | 12.5       | 3.00            | 95.6  |
| 409      | 8/29/2011 15:31:19 | 16.20  | 51.51  | 33.90        | 7.80    | 7.82 | 12.2       | 2.88            | 97.5  |
| 410      | 8/29/2011 15:46:19 | 16.68  | 51.52  | 33.91        | 7.87    | 7.83 | 13.3       | 2.77            | 99.3  |
| 411      | 8/29/2011 16:01:19 | 16.92  | 51.43  | 33.84        | 7.90    | 7.83 | 12.0       | 2.65            | 100.0 |
| 412      | 8/29/2011 16:16:19 | 17.28  | 51.51  | 33.91        | 8.00    | 7.86 | 11.6       | 2.53            | 102.1 |
| 413      | 8/29/2011 16:31:19 | 17.60  | 51.58  | 33.96        | 8.34    | 7.87 | 11.5       | 2.41            | 107.2 |
| 414      | 8/29/2011 16:46:19 | 17.72  | 51.41  | 33.84        | 8.50    | 7.89 | 12.5       | 2.29            | 109.3 |
| 415      | 8/29/2011 17:01:19 | 17.68  | 51.53  | 33.93        | 8.67    | 7.90 | 12.1       | 2.18            | 111.5 |
| 416      | 8/29/2011 17:16:19 | 17.61  | 51.54  | 33.94        | 8.69    | 7.90 | 10.8       | 2.06            | 111.7 |
| 417      | 8/29/2011 17:31:19 | 17.69  | 51.56  | 33.95        | 8.55    | 7.90 | 9.8        | 1.95            | 110.0 |
| 418      | 8/29/2011 17:46:19 | 17.90  | 51.55  | 33.94        | 8.55    | 7.90 | 9.8        | 1.85            | 110.5 |
| 419      | 8/29/2011 18:01:19 | 17.92  | 51.55  | 33.95        | 8.68    | 7.91 | 8.8        | 1.75            | 112.1 |
| 420      | 8/29/2011 18:16:19 | 18.10  | 51.59  | 33.97        | 8.43    | 7.90 | 8.7        | 1.69            | 109.4 |
| 421      | 8/29/2011 18:31:19 | 18.10  | 51.55  | 33.94        | 8.37    | 7.90 | 7.7        | 1.63            | 108.6 |
| 422      | 8/29/2011 18:46:19 | 18.44  | 51.49  | 33.90        | 8.31    | 7.91 | 7.4        | 1.62            | 108.4 |
| 423      | 8/29/2011 19:01:19 | 17.85  | 51.54  | 33.93        | 8.89    | 7.92 | 7.8        | 1.63            | 114.8 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 424      | 8/29/2011 19:16:19 | 19.03  | 51.73  | 34.08        | 8.60    | 7.93 | 6.7        | 1.64            | 113.5 |
| 425      | 8/29/2011 19:31:19 | 18.94  | 51.71  | 34.07        | 8.48    | 7.92 | 6.4        | 1.72            | 111.8 |
| 426      | 8/29/2011 19:46:19 | 19.08  | 51.75  | 34.09        | 8.57    | 7.93 | 7.3        | 1.79            | 113.3 |
| 427      | 8/29/2011 20:01:19 | 19.04  | 51.75  | 34.09        | 8.55    | 7.93 | 8.1        | 1.88            | 113.0 |
| 428      | 8/29/2011 20:16:19 | 19.23  | 51.56  | 33.96        | 8.25    | 7.90 | 11.7       | 1.98            | 109.2 |
| 429      | 8/29/2011 20:31:19 | 19.09  | 51.60  | 33.98        | 8.26    | 7.90 | 11.0       | 2.09            | 109.2 |
| 430      | 8/29/2011 20:46:19 | 18.70  | 51.61  | 33.99        | 8.24    | 7.89 | 9.7        | 2.19            | 108.1 |
| 431      | 8/29/2011 21:01:19 | 18.50  | 51.61  | 33.99        | 8.21    | 7.88 | 8.4        | 2.29            | 107.2 |
| 432      | 8/29/2011 21:16:19 | 18.19  | 51.62  | 34.00        | 8.03    | 7.87 | 8.8        | 2.39            | 104.4 |
| 433      | 8/29/2011 21:31:19 | 17.63  | 51.59  | 33.97        | 7.56    | 7.83 | 9.7        | 2.49            | 97.2  |
| 434      | 8/29/2011 21:46:19 | 17.37  | 51.58  | 33.96        | 7.38    | 7.81 | 9.2        | 2.59            | 94.4  |
| 435      | 8/29/2011 22:01:19 | 17.03  | 51.56  | 33.95        | 7.29    | 7.80 | 10.8       | 2.68            | 92.6  |
| 436      | 8/29/2011 22:16:19 | 16.74  | 51.52  | 33.91        | 7.33    | 7.80 | 10.6       | 2.78            | 92.6  |
| 437      | 8/29/2011 22:31:19 | 16.29  | 51.53  | 33.91        | 7.36    | 7.79 | 12.0       | 2.87            | 92.1  |
| 438      | 8/29/2011 22:46:19 | 16.12  | 51.47  | 33.87        | 7.38    | 7.80 | 12.6       | 2.97            | 92.1  |
| 439      | 8/29/2011 23:01:19 | 15.53  | 51.33  | 33.75        | 7.50    | 7.73 | 13.2       | 3.08            | 92.5  |
| 440      | 8/29/2011 23:16:19 | 14.99  | 51.32  | 33.73        | 7.54    | 7.78 | 13.2       | 3.18            | 92.0  |
| 441      | 8/29/2011 23:31:19 | 14.46  | 51.50  | 33.85        | 7.55    | 7.78 | 12.7       | 3.27            | 91.1  |
| 442      | 8/29/2011 23:46:19 | 13.90  | 51.46  | 33.80        | 7.60    | 7.78 | 11.7       | 3.37            | 90.7  |
| 443      | 8/30/2011 00:01:19 | 13.63  | 51.47  | 33.80        | 7.70    | 7.78 | 9.2        | 3.47            | 91.4  |
| 444      | 8/30/2011 00:16:19 | 13.33  | 51.45  | 33.77        | 7.81    | 7.79 | 9.9        | 3.55            | 92.1  |
| 445      | 8/30/2011 00:31:19 | 12.95  | 51.48  | 33.78        | 7.80    | 7.78 | 8.2        | 3.62            | 91.2  |
| 446      | 8/30/2011 00:46:19 | 12.76  | 51.45  | 33.75        | 7.79    | 7.78 | 6.4        | 3.68            | 90.8  |
| 447      | 8/30/2011 01:01:19 | 12.56  | 51.38  | 33.69        | 7.77    | 7.78 | 4.7        | 3.73            | 90.2  |
| 448      | 8/30/2011 01:16:19 | 12.46  | 51.40  | 33.70        | 7.72    | 7.77 | 3.7        | 3.75            | 89.3  |
| 449      | 8/30/2011 01:31:19 | 12.97  | 51.54  | 33.82        | 7.52    | 7.77 | 4.6        | 3.75            | 88.1  |
| 450      | 8/30/2011 01:46:19 | 12.53  | 51.48  | 33.76        | 7.59    | 7.77 | 4.5        | 3.71            | 88.0  |
| 451      | 8/30/2011 02:01:19 | 13.15  | 51.52  | 33.82        | 7.52    | 7.77 | 6.4        | 3.64            | 88.4  |
| 452      | 8/30/2011 02:16:19 | 13.89  | 51.40  | 33.76        | 7.37    | 7.77 | 8.0        | 3.56            | 87.9  |
| 453      | 8/30/2011 02:31:19 | 13.56  | 51.48  | 33.80        | 7.51    | 7.77 | 7.3        | 3.45            | 89.0  |
| 454      | 8/30/2011 02:46:19 | 14.18  | 51.47  | 33.82        | 7.36    | 7.77 | 8.9        | 3.32            | 88.3  |
| 455      | 8/30/2011 03:01:19 | 14.55  | 51.50  | 33.85        | 7.35    | 7.82 | 10.4       | 3.20            | 88.9  |
| 456      | 8/30/2011 03:16:19 | 14.85  | 51.44  | 33.81        | 7.24    | 7.71 | 8.2        | 3.08            | 88.1  |
| 457      | 8/30/2011 03:31:19 | 15.43  | 51.36  | 33.77        | 7.07    | 7.77 | 9.2        | 2.94            | 87.0  |
| 458      | 8/30/2011 03:46:19 | 15.65  | 51.41  | 33.81        | 6.99    | 7.76 | 8.9        | 2.81            | 86.4  |
| 459      | 8/30/2011 04:01:19 | 16.14  | 51.62  | 33.97        | 6.91    | 7.76 | 8.7        | 2.69            | 86.3  |
| 460      | 8/30/2011 04:16:19 | 16.57  | 51.57  | 33.95        | 6.78    | 7.77 | 9.0        | 2.56            | 85.4  |
| 461      | 8/30/2011 04:31:19 | 16.51  | 51.56  | 33.94        | 6.88    | 7.78 | 9.1        | 2.42            | 86.5  |
| 462      | 8/30/2011 04:46:19 | 16.35  | 51.55  | 33.93        | 6.91    | 7.78 | 9.5        | 2.28            | 86.7  |
| 463      | 8/30/2011 05:01:19 | 16.21  | 51.66  | 34.01        | 6.76    | 7.75 | 9.8        | 2.16            | 84.5  |
| 464      | 8/30/2011 05:16:19 | 16.43  | 51.52  | 33.91        | 6.78    | 7.77 | 9.8        | 2.01            | 85.2  |
| 465      | 8/30/2011 05:31:19 | 16.69  | 51.64  | 34.00        | 6.70    | 7.77 | 10.6       | 1.85            | 84.7  |
| 466      | 8/30/2011 05:46:19 | 16.83  | 51.60  | 33.97        | 6.61    | 7.76 | 9.7        | 1.73            | 83.7  |
| 467      | 8/30/2011 06:01:19 | 17.18  | 51.61  | 33.98        | 6.71    | 7.77 | 8.3        | 1.60            | 85.5  |
| 468      | 8/30/2011 06:16:19 | 17.43  | 51.52  | 33.92        | 6.71    | 7.78 | 10.7       | 1.48            | 85.9  |
| 469      | 8/30/2011 06:31:19 | 17.72  | 51.64  | 34.01        | 6.75    | 7.79 | 9.9        | 1.39            | 86.9  |
| 470      | 8/30/2011 06:46:19 | 17.86  | 51.68  | 34.04        | 6.72    | 7.79 | 8.9        | 1.32            | 86.8  |
| 471      | 8/30/2011 07:01:19 | 18.00  | 51.71  | 34.06        | 6.72    | 7.80 | 8.2        | 1.27            | 87.1  |
| 472      | 8/30/2011 07:16:19 | 18.03  | 51.73  | 34.08        | 6.68    | 7.81 | 7.3        | 1.26            | 86.5  |
| 473      | 8/30/2011 07:31:19 | 17.94  | 51.70  | 34.06        | 6.77    | 7.83 | 8.2        | 1.30            | 87.5  |
| 474      | 8/30/2011 07:46:19 | 17.98  | 51.66  | 34.03        | 6.80    | 7.80 | 6.5        | 1.35            | 88.0  |
| 475      | 8/30/2011 08:01:19 | 18.25  | 51.76  | 34.10        | 6.87    | 7.83 | 6.0        | 1.43            | 89.5  |
| 476      | 8/30/2011 08:16:19 | 18.26  | 51.76  | 34.10        | 6.91    | 7.83 | 6.0        | 1.54            | 90.0  |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 477      | 8/30/2011 08:31:19 | 18.18  | 51.75  | 34.09        | 6.86    | 7.82 | 7.1        | 1.63            | 89.2  |
| 478      | 8/30/2011 08:46:19 | 18.15  | 51.62  | 34.00        | 6.81    | 7.85 | 9.8        | 1.75            | 88.4  |
| 479      | 8/30/2011 09:01:19 | 17.99  | 51.64  | 34.01        | 6.82    | 7.82 | 9.1        | 1.85            | 88.3  |
| 480      | 8/30/2011 09:16:19 | 17.77  | 51.60  | 33.98        | 6.80    | 7.81 | 8.3        | 1.96            | 87.6  |
| 481      | 8/30/2011 09:31:19 | 17.63  | 51.58  | 33.97        | 6.79    | 7.80 | 7.9        | 2.07            | 87.2  |
| 482      | 8/30/2011 09:46:19 | 17.46  | 51.54  | 33.94        | 6.78    | 7.79 | 8.0        | 2.18            | 86.8  |
| 483      | 8/30/2011 10:01:19 | 17.22  | 51.61  | 33.98        | 6.81    | 7.79 | 8.9        | 2.29            | 86.8  |
| 484      | 8/30/2011 10:16:19 | 17.07  | 51.61  | 33.98        | 6.84    | 7.79 | 9.1        | 2.41            | 87.0  |
| 485      | 8/30/2011 10:31:19 | 16.88  | 51.59  | 33.97        | 6.89    | 7.78 | 9.9        | 2.52            | 87.3  |
| 486      | 8/30/2011 10:46:19 | 16.55  | 51.43  | 33.84        | 6.89    | 7.77 | 11.6       | 2.63            | 86.7  |
| 487      | 8/30/2011 11:01:19 | 16.36  | 51.42  | 33.83        | 6.93    | 7.77 | 12.4       | 2.74            | 86.9  |
| 488      | 8/30/2011 11:16:19 | 16.21  | 51.47  | 33.87        | 6.95    | 7.77 | 13.4       | 2.84            | 86.9  |
| 489      | 8/30/2011 11:31:19 | 15.69  | 51.43  | 33.83        | 7.00    | 7.76 | 15.7       | 2.95            | 86.6  |
| 490      | 8/30/2011 11:46:19 | 14.97  | 51.43  | 33.81        | 7.13    | 7.76 | 14.7       | 3.06            | 86.9  |
| 491      | 8/30/2011 12:01:19 | 14.28  | 51.43  | 33.79        | 7.20    | 7.75 | 14.0       | 3.17            | 86.6  |
| 492      | 8/30/2011 12:16:19 | 13.75  | 51.46  | 33.80        | 7.24    | 7.75 | 15.2       | 3.27            | 86.1  |
| 493      | 8/30/2011 12:31:19 | 13.54  | 51.43  | 33.76        | 7.26    | 7.75 | 13.6       | 3.37            | 86.0  |
| 494      | 8/30/2011 12:46:19 | 13.25  | 51.47  | 33.78        | 7.32    | 7.75 | 14.3       | 3.46            | 86.2  |
| 495      | 8/30/2011 13:01:19 | 12.87  | 51.36  | 33.69        | 7.43    | 7.75 | 10.7       | 3.55            | 86.7  |
| 496      | 8/30/2011 13:16:19 | 12.64  | 51.44  | 33.74        | 7.50    | 7.76 | 8.2        | 3.63            | 87.2  |
| 497      | 8/30/2011 13:31:19 | 12.49  | 51.49  | 33.76        | 7.54    | 7.76 | 6.3        | 3.68            | 87.4  |
| 498      | 8/30/2011 13:46:19 | 12.43  | 51.45  | 33.73        | 7.56    | 7.76 | 4.3        | 3.72            | 87.5  |
| 499      | 8/30/2011 14:01:19 | 13.10  | 51.27  | 33.63        | 7.46    | 7.77 | 4.9        | 3.74            | 87.5  |
| 500      | 8/30/2011 14:16:19 | 12.78  | 51.51  | 33.79        | 7.39    | 7.75 | 5.3        | 3.73            | 86.2  |
| 501      | 8/30/2011 14:31:19 | 12.74  | 51.44  | 33.74        | 7.43    | 7.76 | 7.7        | 3.67            | 86.6  |
| 502      | 8/30/2011 14:46:19 | 12.71  | 51.47  | 33.76        | 7.49    | 7.76 | 7.6        | 3.60            | 87.2  |
| 503      | 8/30/2011 15:01:19 | 13.93  | 51.41  | 33.76        | 7.81    | 7.79 | 9.9        | 3.50            | 93.2  |
| 504      | 8/30/2011 15:16:19 | 13.97  | 51.38  | 33.74        | 8.04    | 7.80 | 7.0        | 3.38            | 96.1  |
| 505      | 8/30/2011 15:31:19 | 14.68  | 51.34  | 33.73        | 7.74    | 7.79 | 10.8       | 3.25            | 93.8  |
| 506      | 8/30/2011 15:46:19 | 14.74  | 51.45  | 33.82        | 7.67    | 7.79 | 11.0       | 3.12            | 93.1  |
| 507      | 8/30/2011 16:01:19 | 15.03  | 51.42  | 33.80        | 7.66    | 7.79 | 10.2       | 3.01            | 93.5  |
| 508      | 8/30/2011 16:16:19 | 15.55  | 51.35  | 33.76        | 7.72    | 7.80 | 10.6       | 2.88            | 95.2  |
| 509      | 8/30/2011 16:31:19 | 16.02  | 51.46  | 33.85        | 7.86    | 7.81 | 10.1       | 2.75            | 97.9  |
| 510      | 8/30/2011 16:46:19 | 16.48  | 51.41  | 33.83        | 7.95    | 7.83 | 10.2       | 2.62            | 99.9  |
| 511      | 8/30/2011 17:01:19 | 16.83  | 51.53  | 33.92        | 8.13    | 7.85 | 10.0       | 2.50            | 102.9 |
| 512      | 8/30/2011 17:16:19 | 16.84  | 51.51  | 33.90        | 8.18    | 7.86 | 9.8        | 2.37            | 103.5 |
| 513      | 8/30/2011 17:31:19 | 16.61  | 51.49  | 33.88        | 8.54    | 7.87 | 8.6        | 2.24            | 107.6 |
| 514      | 8/30/2011 17:46:19 | 16.66  | 51.49  | 33.88        | 8.69    | 7.89 | 8.9        | 2.11            | 109.5 |
| 515      | 8/30/2011 18:01:19 | 16.88  | 51.50  | 33.90        | 8.66    | 7.89 | 8.7        | 1.98            | 109.7 |
| 516      | 8/30/2011 18:16:19 | 17.29  | 51.51  | 33.91        | 8.42    | 7.88 | 9.8        | 1.86            | 107.5 |
| 517      | 8/30/2011 18:31:19 | 17.40  | 51.49  | 33.90        | 8.46    | 7.88 | 9.0        | 1.73            | 108.2 |
| 518      | 8/30/2011 18:46:19 | 17.66  | 51.45  | 33.87        | 8.28    | 7.88 | 9.5        | 1.63            | 106.4 |
| 519      | 8/30/2011 19:01:19 | 17.73  | 51.53  | 33.93        | 8.18    | 7.87 | 8.7        | 1.55            | 105.4 |
| 520      | 8/30/2011 19:16:19 | 17.95  | 51.62  | 34.00        | 8.16    | 7.89 | 8.0        | 1.48            | 105.5 |
| 521      | 8/30/2011 19:31:19 | 18.07  | 51.63  | 34.01        | 8.11    | 7.91 | 7.3        | 1.43            | 105.1 |
| 522      | 8/30/2011 19:46:19 | 18.43  | 51.63  | 34.01        | 8.07    | 7.88 | 6.2        | 1.45            | 105.3 |
| 523      | 8/30/2011 20:01:19 | 18.56  | 51.68  | 34.04        | 8.26    | 7.90 | 7.1        | 1.46            | 108.1 |
| 524      | 8/30/2011 20:16:19 | 18.84  | 51.71  | 34.07        | 8.36    | 7.91 | 5.9        | 1.50            | 110.0 |
| 525      | 8/30/2011 20:31:19 | 18.76  | 51.73  | 34.08        | 8.35    | 7.91 | 6.6        | 1.59            | 109.7 |
| 526      | 8/30/2011 20:46:19 | 18.70  | 51.72  | 34.07        | 8.36    | 7.90 | 7.7        | 1.69            | 109.7 |
| 527      | 8/30/2011 21:01:19 | 18.74  | 51.58  | 33.97        | 8.14    | 7.89 | 9.6        | 1.77            | 106.9 |
| 528      | 8/30/2011 21:16:19 | 18.88  | 51.54  | 33.94        | 8.03    | 7.87 | 11.2       | 1.89            | 105.6 |
| 529      | 8/30/2011 21:31:19 | 18.54  | 51.57  | 33.96        | 8.05    | 7.87 | 10.1       | 1.99            | 105.3 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 530      | 8/30/2011 21:46:19 | 18.28  | 51.59  | 33.98        | 8.02    | 7.87 | 8.9               | 2.11            | 104.4 |
| 531      | 8/30/2011 22:01:19 | 18.13  | 51.62  | 34.00        | 8.03    | 7.86 | 8.7               | 2.20            | 104.2 |
| 532      | 8/30/2011 22:16:19 | 17.67  | 51.58  | 33.97        | 7.79    | 7.84 | 8.9               | 2.30            | 100.2 |
| 533      | 8/30/2011 22:31:19 | 17.43  | 51.49  | 33.89        | 7.60    | 7.82 | 8.2               | 2.42            | 97.3  |
| 534      | 8/30/2011 22:46:19 | 17.22  | 51.55  | 33.94        | 7.45    | 7.81 | 8.6               | 2.51            | 95.1  |
| 535      | 8/30/2011 23:01:19 | 16.80  | 51.28  | 33.74        | 7.34    | 7.79 | 10.0              | 2.61            | 92.8  |
| 536      | 8/30/2011 23:16:19 | 16.48  | 51.46  | 33.86        | 7.35    | 7.79 | 10.2              | 2.71            | 92.4  |
| 537      | 8/30/2011 23:31:19 | 16.29  | 51.47  | 33.86        | 7.37    | 7.79 | 10.3              | 2.80            | 92.3  |
| 538      | 8/30/2011 23:46:19 | 16.03  | 51.43  | 33.83        | 7.38    | 7.79 | 11.0              | 2.91            | 92.0  |
| 539      | 8/31/2011 00:01:19 | 15.45  | 51.42  | 33.82        | 7.47    | 7.78 | 12.3              | 2.99            | 92.0  |
| 540      | 8/31/2011 00:16:19 | 14.97  | 51.43  | 33.81        | 7.52    | 7.78 | 12.5              | 3.10            | 91.7  |
| 541      | 8/31/2011 00:31:19 | 14.34  | 51.42  | 33.79        | 7.66    | 7.77 | 10.6              | 3.19            | 92.2  |
| 542      | 8/31/2011 00:46:19 | 14.07  | 51.39  | 33.75        | 7.64    | 7.77 | 10.9              | 3.27            | 91.4  |
| 543      | 8/31/2011 01:01:19 | 13.87  | 51.39  | 33.75        | 7.64    | 7.77 | 10.5              | 3.37            | 91.1  |
| 544      | 8/31/2011 01:16:19 | 13.73  | 51.38  | 33.73        | 7.67    | 7.77 | 10.3              | 3.43            | 91.2  |
| 545      | 8/31/2011 01:31:19 | 13.46  | 51.36  | 33.71        | 7.77    | 7.78 | 8.7               | 3.50            | 91.9  |
| 546      | 8/31/2011 01:46:19 | 13.31  | 51.41  | 33.74        | 7.77    | 7.78 | 5.7               | 3.56            | 91.6  |
| 547      | 8/31/2011 02:01:19 | 13.26  | 51.42  | 33.75        | 7.71    | 7.78 | 5.1               | 3.58            | 90.8  |
| 548      | 8/31/2011 02:16:19 | 13.78  | 51.48  | 33.81        | 7.52    | 7.77 | 5.5               | 3.59            | 89.5  |
| 549      | 8/31/2011 02:31:19 | 13.32  | 51.46  | 33.78        | 7.59    | 7.77 | 5.3               | 3.57            | 89.5  |
| 550      | 8/31/2011 02:46:19 | 13.71  | 51.42  | 33.77        | 7.49    | 7.77 | 8.7               | 3.52            | 89.0  |
| 551      | 8/31/2011 03:01:19 | 13.84  | 51.49  | 33.82        | 7.47    | 7.77 | 8.1               | 3.45            | 89.0  |
| 552      | 8/31/2011 03:16:19 | 14.37  | 51.45  | 33.81        | 7.24    | 7.75 | 7.6               | 3.35            | 87.3  |
| 553      | 8/31/2011 03:31:19 | 13.83  | 51.48  | 33.81        | 7.45    | 7.76 | 6.3               | 3.24            | 88.8  |
| 554      | 8/31/2011 03:46:19 | 14.68  | 51.46  | 33.83        | 7.22    | 7.76 | 10.3              | 3.13            | 87.6  |
| 555      | 8/31/2011 04:01:19 | 15.15  | 51.47  | 33.84        | 7.06    | 7.75 | 9.3               | 3.01            | 86.4  |
| 556      | 8/31/2011 04:16:19 | 15.49  | 51.51  | 33.88        | 6.93    | 7.76 | 11.6              | 2.90            | 85.4  |
| 557      | 8/31/2011 04:31:19 | 16.07  | 51.51  | 33.90        | 6.73    | 7.75 | 8.8               | 2.77            | 83.9  |
| 558      | 8/31/2011 04:46:19 | 16.32  | 51.51  | 33.89        | 6.65    | 7.75 | 8.2               | 2.66            | 83.3  |
| 559      | 8/31/2011 05:01:19 | 16.15  | 51.53  | 33.91        | 6.79    | 7.76 | 9.0               | 2.54            | 84.8  |
| 560      | 8/31/2011 05:16:19 | 16.41  | 51.53  | 33.91        | 6.61    | 7.76 | 9.0               | 2.40            | 82.9  |
| 561      | 8/31/2011 05:31:19 | 16.31  | 51.56  | 33.93        | 6.39    | 7.73 | 8.5               | 2.28            | 80.1  |
| 562      | 8/31/2011 05:46:19 | 16.13  | 51.51  | 33.89        | 6.69    | 7.74 | 9.1               | 2.16            | 83.5  |
| 563      | 8/31/2011 06:01:19 | 16.16  | 51.57  | 33.94        | 6.58    | 7.75 | 9.1               | 2.03            | 82.2  |
| 564      | 8/31/2011 06:16:19 | 16.15  | 51.55  | 33.92        | 6.61    | 7.75 | 8.8               | 1.89            | 82.6  |
| 565      | 8/31/2011 06:31:19 | 16.14  | 51.55  | 33.92        | 6.62    | 7.74 | 8.1               | 1.79            | 82.7  |
| 566      | 8/31/2011 06:46:19 | 16.36  | 51.46  | 33.86        | 6.68    | 7.75 | 7.4               | 1.69            | 83.8  |
| 567      | 8/31/2011 07:01:19 | 16.56  | 51.58  | 33.95        | 6.68    | 7.76 | 7.6               | 1.56            | 84.1  |
| 568      | 8/31/2011 07:16:19 | 16.78  | 51.43  | 33.85        | 6.73    | 7.77 | 6.7               | 1.49            | 85.1  |
| 569      | 8/31/2011 07:31:19 | 17.02  | 51.47  | 33.87        | 6.75    | 7.78 | 6.3               | 1.45            | 85.8  |
| 570      | 8/31/2011 07:46:19 | 17.11  | 51.63  | 33.99        | 6.78    | 7.78 | 6.5               | 1.42            | 86.3  |
| 571      | 8/31/2011 08:01:19 | 17.12  | 51.70  | 34.05        | 6.79    | 7.79 | 5.7               | 1.41            | 86.5  |
| 572      | 8/31/2011 08:16:19 | 17.15  | 51.54  | 33.93        | 6.83    | 7.79 | 5.8               | 1.44            | 87.0  |
| 573      | 8/31/2011 08:31:19 | 17.24  | 51.65  | 34.01        | 6.86    | 7.80 | 5.1               | 1.52            | 87.6  |
| 574      | 8/31/2011 08:46:19 | 17.41  | 51.73  | 34.08        | 6.89    | 7.80 | 5.2               | 1.58            | 88.2  |
| 575      | 8/31/2011 09:01:19 | 17.37  | 51.71  | 34.06        | 6.88    | 7.80 | 5.6               | 1.66            | 88.1  |
| 576      | 8/31/2011 09:16:19 | 17.28  | 51.38  | 33.81        | 6.83    | 7.79 | 6.3               | 1.78            | 87.2  |
| 577      | 8/31/2011 09:31:19 | 17.22  | 51.54  | 33.93        | 6.81    | 7.79 | 7.9               | 1.89            | 86.8  |
| 578      | 8/31/2011 09:46:19 | 16.99  | 51.56  | 33.94        | 6.81    | 7.78 | 7.4               | 1.99            | 86.5  |
| 579      | 8/31/2011 10:01:19 | 16.87  | 51.53  | 33.92        | 6.81    | 7.78 | 6.7               | 2.10            | 86.3  |
| 580      | 8/31/2011 10:16:19 | 16.88  | 51.44  | 33.85        | 6.82    | 7.78 | 6.7               | 2.22            | 86.3  |
| 581      | 8/31/2011 10:31:19 | 16.78  | 51.47  | 33.87        | 6.81    | 7.77 | 6.8               | 2.33            | 86.1  |
| 582      | 8/31/2011 10:46:19 | 16.56  | 51.55  | 33.93        | 6.89    | 7.77 | 7.9               | 2.44            | 86.8  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 583      | 8/31/2011 11:01:19 | 16.48  | 51.55  | 33.93        | 6.93    | 7.77 | 8.8               | 2.55            | 87.1 |
| 584      | 8/31/2011 11:16:19 | 16.23  | 51.54  | 33.92        | 6.99    | 7.77 | 9.8               | 2.66            | 87.4 |
| 585      | 8/31/2011 11:31:19 | 15.98  | 51.52  | 33.90        | 7.04    | 7.76 | 11.0              | 2.77            | 87.6 |
| 586      | 8/31/2011 11:46:19 | 15.82  | 51.47  | 33.86        | 7.09    | 7.76 | 13.1              | 2.88            | 88.0 |
| 587      | 8/31/2011 12:01:19 | 15.40  | 51.36  | 33.77        | 7.19    | 7.76 | 14.5              | 2.99            | 88.5 |
| 588      | 8/31/2011 12:16:19 | 14.99  | 51.46  | 33.83        | 7.32    | 7.76 | 14.5              | 3.09            | 89.3 |
| 589      | 8/31/2011 12:31:19 | 14.29  | 51.46  | 33.81        | 7.56    | 7.76 | 14.0              | 3.20            | 90.9 |
| 590      | 8/31/2011 12:46:19 | 13.91  | 51.44  | 33.79        | 7.63    | 7.76 | 14.6              | 3.30            | 91.1 |
| 591      | 8/31/2011 13:01:19 | 13.69  | 51.45  | 33.79        | 7.65    | 7.76 | 15.8              | 3.40            | 90.8 |
| 592      | 8/31/2011 13:16:19 | 13.53  | 51.46  | 33.78        | 7.62    | 7.76 | 16.4              | 3.51            | 90.2 |
| 593      | 8/31/2011 13:31:19 | 13.16  | 51.44  | 33.76        | 7.65    | 7.76 | 16.2              | 3.60            | 89.8 |
| 594      | 8/31/2011 13:46:19 | 12.92  | 51.45  | 33.75        | 7.71    | 7.76 | 10.0              | 3.68            | 90.2 |
| 595      | 8/31/2011 14:01:19 | 12.80  | 51.44  | 33.74        | 7.81    | 7.76 | 7.9               | 3.75            | 91.1 |
| 596      | 8/31/2011 14:16:19 | 12.73  | 51.40  | 33.71        | 7.87    | 7.76 | 5.0               | 3.79            | 91.6 |
| 597      | 8/31/2011 14:31:19 | 12.72  | 51.45  | 33.75        | 7.74    | 7.76 | 4.6               | 3.81            | 90.1 |
| 598      | 8/31/2011 14:46:19 | 12.71  | 51.37  | 33.69        | 7.76    | 7.75 | 4.7               | 3.80            | 90.3 |
| 599      | 8/31/2011 15:01:19 | 12.73  | 51.35  | 33.67        | 7.80    | 7.76 | 6.3               | 3.77            | 90.8 |
| 600      | 8/31/2011 15:16:19 | 13.12  | 51.47  | 33.78        | 7.83    | 7.76 | 9.5               | 3.69            | 92.0 |
| 601      | 8/31/2011 15:31:19 | 13.53  | 51.42  | 33.76        | 7.87    | 7.77 | 16.1              | 3.61            | 93.1 |
| 602      | 8/31/2011 15:46:19 | 13.70  | 51.37  | 33.73        | 7.96    | 7.77 | 17.6              | 3.51            | 94.6 |
| 603      | 8/31/2011 16:01:19 | 13.99  | 51.38  | 33.74        | 7.95    | 7.77 | 18.3              | 3.39            | 95.0 |
| 604      | 8/31/2011 16:16:19 | 14.65  | 51.46  | 33.83        | 7.81    | 7.78 | 22.4              | 3.26            | 94.7 |
| 605      | 8/31/2011 16:31:19 | 14.98  | 51.48  | 33.85        | 7.83    | 7.79 | 23.7              | 3.14            | 95.5 |
| 606      | 8/31/2011 16:46:19 | 15.32  | 51.44  | 33.82        | 7.77    | 7.79 | 29.8              | 3.01            | 95.5 |
| 607      | 8/31/2011 17:01:19 | 15.68  | 51.49  | 33.87        | 7.72    | 7.79 | 33.5              | 2.89            | 95.5 |
| 608      | 8/31/2011 17:16:19 | 16.17  | 51.46  | 33.86        | 7.74    | 7.80 | 35.6              | 2.75            | 96.6 |
| 609      | 8/31/2011 17:31:19 | 16.74  | 51.52  | 33.91        | 7.87    | 7.82 | 37.0              | 2.62            | 99.3 |
| 610      | 8/31/2011 17:46:19 | 16.71  | 51.51  | 33.90        | 7.73    | 7.81 | 37.3              | 2.49            | 97.6 |
| 611      | 8/31/2011 18:01:19 | 16.36  | 51.53  | 33.91        | 7.58    | 7.79 | 34.4              | 2.36            | 95.1 |
| 612      | 8/31/2011 18:16:19 | 16.33  | 51.41  | 33.82        | 7.60    | 7.78 | 31.6              | 2.22            | 95.3 |
| 613      | 8/31/2011 18:31:19 | 16.33  | 51.48  | 33.87        | 7.72    | 7.78 | 29.3              | 2.08            | 96.8 |
| 614      | 8/31/2011 18:46:19 | 16.35  | 51.46  | 33.86        | 7.62    | 7.78 | 30.0              | 1.95            | 95.6 |
| 615      | 8/31/2011 19:01:19 | 16.49  | 51.43  | 33.84        | 7.57    | 7.78 | 30.3              | 1.81            | 95.2 |
| 616      | 8/31/2011 19:16:19 | 16.60  | 51.54  | 33.92        | 7.48    | 7.78 | 29.0              | 1.67            | 94.3 |
| 617      | 8/31/2011 19:31:19 | 16.68  | 51.56  | 33.94        | 7.41    | 7.78 | 26.9              | 1.56            | 93.5 |
| 618      | 8/31/2011 19:46:19 | 16.89  | 51.48  | 33.88        | 7.37    | 7.78 | 23.7              | 1.46            | 93.4 |
| 619      | 8/31/2011 20:01:19 | 16.97  | 51.55  | 33.94        | 7.29    | 7.78 | 21.2              | 1.38            | 92.5 |
| 620      | 8/31/2011 20:16:19 | 17.23  | 51.55  | 33.94        | 7.21    | 7.78 | 19.8              | 1.33            | 91.9 |
| 621      | 8/31/2011 20:31:19 | 17.28  | 51.56  | 33.95        | 7.14    | 7.78 | 15.4              | 1.33            | 91.2 |
| 622      | 8/31/2011 20:46:19 | 17.21  | 51.47  | 33.88        | 7.33    | 7.79 | 19.4              | 1.34            | 93.4 |
| 623      | 8/31/2011 21:01:19 | 17.44  | 51.59  | 33.97        | 7.27    | 7.79 | 18.1              | 1.37            | 93.1 |
| 624      | 8/31/2011 21:16:19 | 17.89  | 51.66  | 34.03        | 7.29    | 7.81 | 19.7              | 1.46            | 94.2 |
| 625      | 8/31/2011 21:31:19 | 18.08  | 51.81  | 34.14        | 7.34    | 7.83 | 20.9              | 1.55            | 95.2 |
| 626      | 8/31/2011 21:46:19 | 18.05  | 51.77  | 34.11        | 7.34    | 7.83 | 20.4              | 1.64            | 95.2 |
| 627      | 8/31/2011 22:01:19 | 18.10  | 51.64  | 34.02        | 7.49    | 7.84 | 17.6              | 1.74            | 97.2 |
| 628      | 8/31/2011 22:16:19 | 18.14  | 51.63  | 34.00        | 7.52    | 7.84 | 21.4              | 1.85            | 97.7 |
| 629      | 8/31/2011 22:31:19 | 17.76  | 51.60  | 33.98        | 7.43    | 7.82 | 19.3              | 1.94            | 95.7 |
| 630      | 8/31/2011 22:46:19 | 17.58  | 51.53  | 33.93        | 7.45    | 7.82 | 17.6              | 2.04            | 95.6 |
| 631      | 8/31/2011 23:01:19 | 17.51  | 51.47  | 33.88        | 7.43    | 7.81 | 15.3              | 2.15            | 95.2 |
| 632      | 8/31/2011 23:16:19 | 17.42  | 51.59  | 33.97        | 7.34    | 7.80 | 21.3              | 2.26            | 94.0 |
| 633      | 8/31/2011 23:31:19 | 17.20  | 51.58  | 33.96        | 7.30    | 7.79 | 22.1              | 2.35            | 93.1 |
| 634      | 8/31/2011 23:46:19 | 17.09  | 51.57  | 33.96        | 7.30    | 7.78 | 21.4              | 2.45            | 92.8 |
| 635      | 9/1/2011 00:01:19  | 16.65  | 51.51  | 33.90        | 7.42    | 7.78 | 21.9              | 2.55            | 93.6 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-------------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                   |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 636      | 9/1/2011 00:16:19 | 16.47  | 51.46  | 33.86        | 7.41    | 7.78 | 19.1              | 2.66            | 93.1 |
| 637      | 9/1/2011 00:31:19 | 16.30  | 51.49  | 33.88        | 7.44    | 7.78 | 20.3              | 2.75            | 93.2 |
| 638      | 9/1/2011 00:46:19 | 16.09  | 51.47  | 33.87        | 7.46    | 7.77 | 27.0              | 2.83            | 93.1 |
| 639      | 9/1/2011 01:01:19 | 15.66  | 51.26  | 33.70        | 7.59    | 7.78 | 27.3              | 2.93            | 93.8 |
| 640      | 9/1/2011 01:16:19 | 15.35  | 51.48  | 33.85        | 7.64    | 7.78 | 22.5              | 3.02            | 93.9 |
| 641      | 9/1/2011 01:31:19 | 14.78  | 51.43  | 33.81        | 7.78    | 7.77 | 22.0              | 3.10            | 94.5 |
| 642      | 9/1/2011 01:46:19 | 14.44  | 51.44  | 33.80        | 7.83    | 7.78 | 17.3              | 3.18            | 94.5 |
| 643      | 9/1/2011 02:01:19 | 14.28  | 51.47  | 33.82        | 7.80    | 7.77 | 17.0              | 3.25            | 93.8 |
| 644      | 9/1/2011 02:16:19 | 14.06  | 51.45  | 33.80        | 7.82    | 7.77 | 12.3              | 3.33            | 93.6 |
| 645      | 9/1/2011 02:31:19 | 13.93  | 51.41  | 33.76        | 7.79    | 7.77 | 11.4              | 3.38            | 93.0 |
| 646      | 9/1/2011 02:46:19 | 13.69  | 51.45  | 33.79        | 7.74    | 7.77 | 9.0               | 3.42            | 91.9 |
| 647      | 9/1/2011 03:01:19 | 14.14  | 51.55  | 33.87        | 7.27    | 7.76 | 8.0               | 3.44            | 87.2 |
| 648      | 9/1/2011 03:16:19 | 13.93  | 51.52  | 33.84        | 7.50    | 7.76 | 7.6               | 3.44            | 89.6 |
| 649      | 9/1/2011 03:31:19 | 13.78  | 51.44  | 33.78        | 7.53    | 7.76 | 7.8               | 3.42            | 89.7 |
| 650      | 9/1/2011 03:46:19 | 14.22  | 51.47  | 33.82        | 7.40    | 7.75 | 12.3              | 3.36            | 88.9 |
| 651      | 9/1/2011 04:01:19 | 14.54  | 51.44  | 33.80        | 7.37    | 7.75 | 14.0              | 3.30            | 89.1 |
| 652      | 9/1/2011 04:16:19 | 14.87  | 51.45  | 33.82        | 7.23    | 7.74 | 10.8              | 3.21            | 88.0 |
| 653      | 9/1/2011 04:31:19 | 14.24  | 51.48  | 33.82        | 7.57    | 7.76 | 11.0              | 3.10            | 91.0 |
| 654      | 9/1/2011 04:46:20 | 15.16  | 51.54  | 33.90        | 7.17    | 7.74 | 12.0              | 2.99            | 87.8 |
| 655      | 9/1/2011 05:01:19 | 15.46  | 51.59  | 33.94        | 6.87    | 7.74 | 12.1              | 2.88            | 84.7 |
| 656      | 9/1/2011 05:16:19 | 15.64  | 51.52  | 33.89        | 6.81    | 7.73 | 14.0              | 2.77            | 84.2 |
| 657      | 9/1/2011 05:31:19 | 15.94  | 51.60  | 33.95        | 6.67    | 7.73 | 15.0              | 2.66            | 82.9 |
| 658      | 9/1/2011 05:46:19 | 16.06  | 51.65  | 33.99        | 6.38    | 7.71 | 12.1              | 2.56            | 79.6 |
| 659      | 9/1/2011 06:01:19 | 16.00  | 51.64  | 33.99        | 6.30    | 7.71 | 11.3              | 2.44            | 78.5 |
| 660      | 9/1/2011 06:16:19 | 16.01  | 51.65  | 33.99        | 6.35    | 7.71 | 12.9              | 2.33            | 79.1 |
| 661      | 9/1/2011 06:31:19 | 15.99  | 51.59  | 33.95        | 6.44    | 7.71 | 14.4              | 2.23            | 80.3 |
| 662      | 9/1/2011 06:46:19 | 15.95  | 51.59  | 33.95        | 6.43    | 7.72 | 14.2              | 2.11            | 80.0 |
| 663      | 9/1/2011 07:01:19 | 15.80  | 51.46  | 33.85        | 6.47    | 7.71 | 14.0              | 2.01            | 80.2 |
| 664      | 9/1/2011 07:16:19 | 15.82  | 51.60  | 33.95        | 6.52    | 7.72 | 12.8              | 1.90            | 80.9 |
| 665      | 9/1/2011 07:31:19 | 15.84  | 51.57  | 33.94        | 6.51    | 7.72 | 11.0              | 1.82            | 80.9 |
| 666      | 9/1/2011 07:46:19 | 15.83  | 51.60  | 33.96        | 6.54    | 7.72 | 9.6               | 1.73            | 81.1 |
| 667      | 9/1/2011 08:01:19 | 16.17  | 51.58  | 33.94        | 6.56    | 7.73 | 10.0              | 1.67            | 82.0 |
| 668      | 9/1/2011 08:16:19 | 16.07  | 51.64  | 33.98        | 6.66    | 7.74 | 8.1               | 1.64            | 83.0 |
| 669      | 9/1/2011 08:31:19 | 16.33  | 51.56  | 33.93        | 6.64    | 7.75 | 7.8               | 1.61            | 83.2 |
| 670      | 9/1/2011 08:46:19 | 16.18  | 51.71  | 34.04        | 6.66    | 7.74 | 9.0               | 1.62            | 83.3 |
| 671      | 9/1/2011 09:01:19 | 16.28  | 51.65  | 34.00        | 6.71    | 7.75 | 8.2               | 1.66            | 84.1 |
| 672      | 9/1/2011 09:16:19 | 16.55  | 51.71  | 34.05        | 6.58    | 7.75 | 8.7               | 1.72            | 82.8 |
| 673      | 9/1/2011 09:31:19 | 16.65  | 51.70  | 34.04        | 6.64    | 7.75 | 9.3               | 1.80            | 83.8 |
| 674      | 9/1/2011 09:46:19 | 16.62  | 51.71  | 34.05        | 6.64    | 7.76 | 10.9              | 1.88            | 83.7 |
| 675      | 9/1/2011 10:01:19 | 16.61  | 51.65  | 34.01        | 6.64    | 7.75 | 10.9              | 1.98            | 83.7 |
| 676      | 9/1/2011 10:16:19 | 16.55  | 51.50  | 33.90        | 6.67    | 7.75 | 10.9              | 2.10            | 84.0 |
| 677      | 9/1/2011 10:31:19 | 16.36  | 51.63  | 33.98        | 6.71    | 7.74 | 11.4              | 2.19            | 84.2 |
| 678      | 9/1/2011 10:46:19 | 16.30  | 51.59  | 33.95        | 6.72    | 7.74 | 10.8              | 2.29            | 84.2 |
| 679      | 9/1/2011 11:01:19 | 16.33  | 51.54  | 33.92        | 6.73    | 7.74 | 9.8               | 2.40            | 84.4 |
| 680      | 9/1/2011 11:16:19 | 16.20  | 51.60  | 33.96        | 6.81    | 7.75 | 12.3              | 2.50            | 85.1 |
| 681      | 9/1/2011 11:31:19 | 16.06  | 51.54  | 33.91        | 6.94    | 7.75 | 13.4              | 2.60            | 86.5 |
| 682      | 9/1/2011 11:46:19 | 15.94  | 51.58  | 33.94        | 7.06    | 7.75 | 14.6              | 2.70            | 87.8 |
| 683      | 9/1/2011 12:01:19 | 15.73  | 51.53  | 33.90        | 7.14    | 7.75 | 15.8              | 2.80            | 88.5 |
| 684      | 9/1/2011 12:16:19 | 15.54  | 51.43  | 33.82        | 7.23    | 7.75 | 18.7              | 2.90            | 89.2 |
| 685      | 9/1/2011 12:31:19 | 15.37  | 51.47  | 33.85        | 7.29    | 7.75 | 21.1              | 3.00            | 89.6 |
| 686      | 9/1/2011 12:46:19 | 14.82  | 51.49  | 33.85        | 7.47    | 7.76 | 20.8              | 3.10            | 90.8 |
| 687      | 9/1/2011 13:01:19 | 14.46  | 51.46  | 33.82        | 7.57    | 7.75 | 20.4              | 3.20            | 91.4 |
| 688      | 9/1/2011 13:16:19 | 13.80  | 51.48  | 33.81        | 7.68    | 7.75 | 18.9              | 3.31            | 91.4 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                   |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 689      | 9/1/2011 13:31:19 | 13.48  | 51.42  | 33.76        | 7.69    | 7.75 | 20.1       | 3.41   | 91.0  |
| 690      | 9/1/2011 13:46:19 | 13.35  | 51.47  | 33.78        | 7.70    | 7.75 | 16.6       | 3.52   | 90.8  |
| 691      | 9/1/2011 14:01:19 | 13.04  | 51.49  | 33.79        | 7.66    | 7.74 | 18.4       | 3.61   | 89.8  |
| 692      | 9/1/2011 14:16:19 | 12.69  | 51.51  | 33.79        | 7.65    | 7.73 | 15.6       | 3.69   | 89.0  |
| 693      | 9/1/2011 14:31:19 | 12.38  | 51.48  | 33.75        | 7.64    | 7.72 | 9.6        | 3.77   | 88.3  |
| 694      | 9/1/2011 14:46:19 | 12.10  | 51.49  | 33.75        | 7.64    | 7.71 | 6.3        | 3.83   | 87.8  |
| 695      | 9/1/2011 15:01:19 | 11.91  | 51.54  | 33.77        | 7.61    | 7.71 | 4.5        | 3.86   | 87.1  |
| 696      | 9/1/2011 15:16:19 | 12.97  | 51.06  | 33.47        | 7.53    | 7.73 | 4.6        | 3.87   | 87.9  |
| 697      | 9/1/2011 15:31:19 | 12.13  | 51.48  | 33.74        | 7.53    | 7.70 | 5.1        | 3.86   | 86.6  |
| 698      | 9/1/2011 15:46:19 | 12.22  | 51.43  | 33.71        | 7.54    | 7.71 | 6.3        | 3.82   | 86.9  |
| 699      | 9/1/2011 16:01:19 | 12.51  | 51.46  | 33.75        | 7.67    | 7.72 | 14.2       | 3.73   | 88.9  |
| 700      | 9/1/2011 16:16:19 | 13.10  | 51.44  | 33.76        | 7.91    | 7.75 | 13.2       | 3.64   | 92.8  |
| 701      | 9/1/2011 16:31:19 | 13.16  | 51.49  | 33.80        | 8.10    | 7.76 | 16.5       | 3.54   | 95.3  |
| 702      | 9/1/2011 16:46:19 | 13.38  | 51.45  | 33.78        | 8.18    | 7.77 | 16.8       | 3.41   | 96.5  |
| 703      | 9/1/2011 17:01:19 | 14.51  | 51.45  | 33.81        | 8.04    | 7.78 | 16.6       | 3.29   | 97.1  |
| 704      | 9/1/2011 17:16:19 | 14.58  | 51.39  | 33.77        | 7.96    | 7.78 | 15.3       | 3.16   | 96.3  |
| 705      | 9/1/2011 17:31:19 | 14.85  | 51.51  | 33.87        | 8.01    | 7.78 | 15.1       | 3.04   | 97.5  |
| 706      | 9/1/2011 17:46:19 | 15.27  | 51.54  | 33.90        | 8.08    | 7.80 | 14.0       | 2.92   | 99.2  |
| 707      | 9/1/2011 18:01:19 | 15.48  | 51.40  | 33.80        | 8.05    | 7.79 | 13.6       | 2.78   | 99.1  |
| 708      | 9/1/2011 18:16:19 | 15.88  | 51.39  | 33.80        | 8.18    | 7.82 | 12.7       | 2.65   | 101.5 |
| 709      | 9/1/2011 18:31:19 | 16.19  | 51.55  | 33.93        | 8.01    | 7.81 | 13.0       | 2.53   | 100.1 |
| 710      | 9/1/2011 18:46:19 | 15.83  | 51.43  | 33.83        | 8.16    | 7.81 | 11.5       | 2.38   | 101.3 |
| 711      | 9/1/2011 19:01:19 | 15.64  | 51.51  | 33.88        | 8.23    | 7.81 | 10.4       | 2.25   | 101.7 |
| 712      | 9/1/2011 19:16:19 | 16.06  | 51.55  | 33.92        | 8.05    | 7.81 | 10.3       | 2.11   | 100.4 |
| 713      | 9/1/2011 19:31:20 | 16.03  | 51.55  | 33.92        | 8.01    | 7.80 | 10.9       | 1.97   | 99.8  |
| 714      | 9/1/2011 19:46:19 | 16.36  | 51.59  | 33.96        | 7.89    | 7.81 | 12.1       | 1.85   | 98.9  |
| 715      | 9/1/2011 20:01:19 | 16.42  | 51.60  | 33.96        | 7.82    | 7.80 | 12.1       | 1.70   | 98.2  |
| 716      | 9/1/2011 20:16:19 | 16.62  | 51.60  | 33.97        | 7.71    | 7.80 | 11.4       | 1.59   | 97.2  |
| 717      | 9/1/2011 20:31:19 | 16.85  | 51.58  | 33.96        | 7.64    | 7.80 | 9.9        | 1.50   | 96.7  |
| 718      | 9/1/2011 20:46:19 | 16.95  | 51.54  | 33.93        | 7.58    | 7.79 | 9.4        | 1.39   | 96.2  |
| 719      | 9/1/2011 21:01:19 | 17.17  | 51.64  | 34.00        | 7.59    | 7.81 | 10.5       | 1.34   | 96.7  |
| 720      | 9/1/2011 21:16:19 | 17.40  | 51.66  | 34.02        | 7.67    | 7.82 | 8.7        | 1.32   | 98.2  |
| 721      | 9/1/2011 21:31:19 | 17.15  | 51.73  | 34.07        | 7.59    | 7.81 | 11.1       | 1.31   | 96.8  |
| 722      | 9/1/2011 21:46:19 | 17.84  | 51.58  | 33.97        | 8.01    | 7.85 | 7.3        | 1.33   | 103.4 |
| 723      | 9/1/2011 22:01:19 | 17.84  | 51.59  | 33.97        | 8.04    | 7.85 | 6.6        | 1.40   | 103.8 |
| 724      | 9/1/2011 22:16:19 | 17.87  | 51.63  | 34.00        | 8.10    | 7.85 | 7.3        | 1.47   | 104.6 |
| 725      | 9/1/2011 22:31:19 | 17.75  | 51.49  | 33.90        | 8.02    | 7.85 | 8.9        | 1.57   | 103.3 |
| 726      | 9/1/2011 22:46:19 | 17.84  | 51.50  | 33.91        | 7.90    | 7.84 | 9.5        | 1.65   | 102.0 |
| 727      | 9/1/2011 23:01:19 | 18.02  | 51.39  | 33.83        | 7.80    | 7.83 | 12.0       | 1.73   | 100.9 |
| 728      | 9/1/2011 23:16:19 | 17.81  | 51.50  | 33.90        | 7.82    | 7.83 | 10.4       | 1.83   | 100.8 |
| 729      | 9/1/2011 23:31:19 | 17.66  | 51.56  | 33.95        | 7.79    | 7.82 | 9.2        | 1.92   | 100.1 |
| 730      | 9/1/2011 23:46:19 | 17.58  | 51.59  | 33.97        | 7.75    | 7.82 | 9.2        | 2.00   | 99.6  |
| 731      | 9/2/2011 00:01:19 | 17.53  | 51.59  | 33.97        | 7.75    | 7.82 | 9.8        | 2.11   | 99.5  |
| 732      | 9/2/2011 00:16:19 | 17.20  | 51.59  | 33.97        | 7.71    | 7.81 | 9.1        | 2.20   | 98.3  |
| 733      | 9/2/2011 00:31:19 | 16.99  | 51.61  | 33.98        | 7.65    | 7.80 | 9.2        | 2.30   | 97.1  |
| 734      | 9/2/2011 00:46:19 | 16.84  | 51.54  | 33.93        | 7.60    | 7.80 | 8.6        | 2.39   | 96.2  |
| 735      | 9/2/2011 01:01:19 | 16.71  | 51.58  | 33.95        | 7.60    | 7.79 | 8.9        | 2.49   | 95.9  |
| 736      | 9/2/2011 01:16:19 | 16.46  | 51.52  | 33.91        | 7.59    | 7.78 | 10.3       | 2.58   | 95.4  |
| 737      | 9/2/2011 01:31:19 | 16.20  | 51.53  | 33.91        | 7.60    | 7.78 | 10.1       | 2.66   | 95.0  |
| 738      | 9/2/2011 01:46:19 | 16.07  | 51.54  | 33.92        | 7.59    | 7.78 | 9.9        | 2.75   | 94.7  |
| 739      | 9/2/2011 02:01:19 | 15.96  | 51.51  | 33.89        | 7.59    | 7.78 | 10.7       | 2.83   | 94.4  |
| 740      | 9/2/2011 02:16:19 | 15.58  | 51.48  | 33.86        | 7.66    | 7.77 | 11.1       | 2.92   | 94.6  |
| 741      | 9/2/2011 02:31:19 | 15.24  | 51.43  | 33.81        | 7.71    | 7.77 | 11.8       | 2.99   | 94.5  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%  |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                   |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |      |
| 742      | 9/2/2011 02:46:19 | 14.86  | 51.45  | 33.82        | 7.77    | 7.76 | 11.3       | 3.05            | 94.5 |
| 743      | 9/2/2011 03:01:19 | 14.42  | 51.50  | 33.85        | 7.82    | 7.76 | 10.6       | 3.13            | 94.3 |
| 744      | 9/2/2011 03:16:19 | 14.08  | 51.51  | 33.84        | 7.81    | 7.75 | 13.9       | 3.17            | 93.5 |
| 745      | 9/2/2011 03:31:19 | 13.92  | 51.43  | 33.78        | 7.74    | 7.75 | 8.7        | 3.23            | 92.4 |
| 746      | 9/2/2011 03:46:19 | 13.76  | 51.44  | 33.78        | 7.68    | 7.74 | 7.0        | 3.27            | 91.4 |
| 747      | 9/2/2011 04:01:19 | 13.75  | 51.43  | 33.77        | 7.55    | 7.74 | 6.1        | 3.29            | 89.8 |
| 748      | 9/2/2011 04:16:19 | 14.06  | 51.53  | 33.86        | 7.47    | 7.74 | 5.7        | 3.29            | 89.5 |
| 749      | 9/2/2011 04:31:19 | 13.80  | 51.52  | 33.84        | 7.57    | 7.73 | 6.3        | 3.26            | 90.2 |
| 750      | 9/2/2011 04:46:19 | 14.03  | 51.51  | 33.84        | 7.50    | 7.74 | 7.7        | 3.22            | 89.7 |
| 751      | 9/2/2011 05:01:19 | 14.31  | 51.54  | 33.87        | 7.41    | 7.74 | 8.5        | 3.15            | 89.3 |
| 752      | 9/2/2011 05:16:19 | 14.99  | 51.55  | 33.90        | 7.18    | 7.73 | 9.2        | 3.06            | 87.6 |
| 753      | 9/2/2011 05:31:19 | 14.85  | 51.53  | 33.88        | 7.39    | 7.74 | 8.5        | 2.98            | 89.9 |
| 754      | 9/2/2011 05:46:19 | 15.20  | 51.50  | 33.87        | 7.23    | 7.74 | 10.1       | 2.87            | 88.6 |
| 755      | 9/2/2011 06:01:19 | 15.58  | 51.60  | 33.95        | 6.98    | 7.73 | 9.0        | 2.77            | 86.3 |
| 756      | 9/2/2011 06:16:19 | 15.83  | 51.57  | 33.93        | 6.77    | 7.72 | 8.5        | 2.69            | 84.0 |
| 757      | 9/2/2011 06:31:19 | 16.00  | 51.57  | 33.93        | 6.60    | 7.72 | 8.2        | 2.59            | 82.2 |
| 758      | 9/2/2011 06:46:19 | 16.11  | 51.62  | 33.98        | 6.44    | 7.71 | 8.2        | 2.51            | 80.4 |
| 759      | 9/2/2011 07:01:19 | 16.02  | 51.65  | 33.99        | 6.46    | 7.71 | 8.1        | 2.41            | 80.6 |
| 760      | 9/2/2011 07:16:19 | 15.87  | 51.61  | 33.96        | 6.54    | 7.71 | 7.9        | 2.34            | 81.3 |
| 761      | 9/2/2011 07:31:19 | 16.04  | 51.55  | 33.92        | 6.59    | 7.72 | 7.6        | 2.24            | 82.1 |
| 762      | 9/2/2011 07:46:19 | 15.65  | 51.57  | 33.93        | 6.63    | 7.71 | 7.3        | 2.15            | 82.0 |
| 763      | 9/2/2011 08:01:19 | 16.01  | 51.63  | 33.98        | 6.68    | 7.72 | 6.8        | 2.08            | 83.2 |
| 764      | 9/2/2011 08:16:19 | 15.95  | 51.64  | 33.99        | 6.75    | 7.73 | 6.3        | 2.00            | 84.0 |
| 765      | 9/2/2011 08:31:19 | 15.89  | 51.65  | 33.99        | 6.82    | 7.73 | 6.1        | 1.94            | 84.7 |
| 766      | 9/2/2011 08:46:19 | 16.12  | 51.57  | 33.94        | 6.89    | 7.74 | 5.3        | 1.90            | 86.0 |
| 767      | 9/2/2011 09:01:19 | 16.32  | 51.62  | 33.98        | 6.91    | 7.75 | 5.1        | 1.87            | 86.6 |
| 768      | 9/2/2011 09:16:19 | 16.54  | 51.56  | 33.94        | 6.88    | 7.75 | 5.1        | 1.86            | 86.6 |
| 769      | 9/2/2011 09:31:19 | 16.47  | 51.50  | 33.89        | 6.93    | 7.75 | 4.8        | 1.86            | 87.1 |
| 770      | 9/2/2011 09:46:19 | 16.59  | 51.68  | 34.03        | 6.93    | 7.76 | 4.5        | 1.90            | 87.4 |
| 771      | 9/2/2011 10:01:19 | 16.62  | 51.49  | 33.89        | 6.94    | 7.75 | 4.7        | 1.96            | 87.4 |
| 772      | 9/2/2011 10:16:19 | 16.71  | 51.66  | 34.01        | 6.93    | 7.76 | 5.4        | 2.02            | 87.5 |
| 773      | 9/2/2011 10:31:19 | 16.71  | 51.69  | 34.03        | 6.94    | 7.76 | 6.2        | 2.11            | 87.6 |
| 774      | 9/2/2011 10:46:19 | 16.63  | 51.67  | 34.02        | 6.96    | 7.75 | 6.3        | 2.19            | 87.7 |
| 775      | 9/2/2011 11:01:19 | 16.54  | 51.65  | 34.01        | 6.96    | 7.75 | 6.4        | 2.28            | 87.7 |
| 776      | 9/2/2011 11:16:19 | 16.42  | 51.62  | 33.98        | 6.97    | 7.75 | 6.6        | 2.37            | 87.6 |
| 777      | 9/2/2011 11:31:19 | 16.32  | 51.61  | 33.97        | 6.99    | 7.74 | 6.7        | 2.46            | 87.6 |
| 778      | 9/2/2011 11:46:19 | 16.23  | 51.57  | 33.94        | 6.98    | 7.74 | 7.1        | 2.55            | 87.4 |
| 779      | 9/2/2011 12:01:19 | 16.00  | 51.59  | 33.95        | 7.13    | 7.75 | 7.5        | 2.64            | 88.9 |
| 780      | 9/2/2011 12:16:19 | 15.87  | 51.52  | 33.90        | 7.22    | 7.75 | 8.4        | 2.74            | 89.7 |
| 781      | 9/2/2011 12:31:19 | 15.77  | 51.57  | 33.93        | 7.34    | 7.76 | 9.2        | 2.81            | 91.0 |
| 782      | 9/2/2011 12:46:19 | 15.54  | 51.54  | 33.91        | 7.43    | 7.75 | 10.1       | 2.92            | 91.7 |
| 783      | 9/2/2011 13:01:19 | 15.19  | 51.45  | 33.83        | 7.48    | 7.75 | 11.7       | 3.01            | 91.6 |
| 784      | 9/2/2011 13:16:19 | 15.02  | 51.54  | 33.89        | 7.50    | 7.75 | 12.1       | 3.10            | 91.6 |
| 785      | 9/2/2011 13:31:20 | 14.37  | 51.53  | 33.86        | 7.61    | 7.74 | 14.6       | 3.21            | 91.7 |
| 786      | 9/2/2011 13:46:19 | 13.93  | 51.51  | 33.84        | 7.64    | 7.73 | 15.3       | 3.31            | 91.3 |
| 787      | 9/2/2011 14:01:19 | 13.45  | 51.48  | 33.80        | 7.75    | 7.72 | 14.0       | 3.41            | 91.7 |
| 788      | 9/2/2011 14:16:19 | 12.97  | 51.54  | 33.82        | 7.79    | 7.72 | 14.2       | 3.51            | 91.2 |
| 789      | 9/2/2011 14:31:19 | 12.73  | 51.48  | 33.77        | 7.78    | 7.71 | 14.2       | 3.59            | 90.6 |
| 790      | 9/2/2011 14:46:19 | 12.49  | 51.50  | 33.77        | 7.68    | 7.70 | 13.1       | 3.68            | 89.0 |
| 791      | 9/2/2011 15:01:19 | 12.21  | 51.58  | 33.82        | 7.43    | 7.69 | 9.9        | 3.75            | 85.6 |
| 792      | 9/2/2011 15:16:19 | 11.90  | 51.61  | 33.82        | 7.26    | 7.66 | 6.0        | 3.81            | 83.2 |
| 793      | 9/2/2011 15:31:19 | 11.75  | 51.61  | 33.81        | 7.14    | 7.65 | 4.6        | 3.85            | 81.5 |
| 794      | 9/2/2011 15:46:19 | 11.72  | 51.57  | 33.79        | 7.07    | 7.65 | 3.9        | 3.88            | 80.7 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 795      | 9/2/2011 16:01:19 | 12.14  | 51.67           | 33.88        | 7.26            | 7.69 | 4.6               | 3.89            | 83.6  |
| 796      | 9/2/2011 16:16:19 | 11.77  | 51.62           | 33.83        | 7.02            | 7.64 | 66.6              | 3.86            | 80.2  |
| 797      | 9/2/2011 16:31:19 | 11.97  | 51.55           | 33.79        | 7.13            | 7.65 | 6.2               | 3.82            | 81.7  |
| 798      | 9/2/2011 16:46:19 | 12.53  | 51.50           | 33.78        | 7.55            | 7.70 | 6.2               | 3.75            | 87.6  |
| 799      | 9/2/2011 17:01:19 | 13.00  | 51.51           | 33.81        | 7.95            | 7.73 | 8.7               | 3.65            | 93.2  |
| 800      | 9/2/2011 17:16:19 | 12.86  | 51.53           | 33.81        | 7.92            | 7.73 | 7.1               | 3.57            | 92.5  |
| 801      | 9/2/2011 17:31:19 | 14.46  | 51.51           | 33.85        | 8.50            | 7.80 | 6.3               | 3.44            | 102.6 |
| 802      | 9/2/2011 17:46:19 | 14.69  | 51.47           | 33.83        | 8.35            | 7.79 | 9.6               | 3.34            | 101.3 |
| 803      | 9/2/2011 18:01:19 | 14.68  | 51.49           | 33.85        | 8.31            | 7.78 | 9.0               | 3.23            | 100.8 |
| 804      | 9/2/2011 18:16:19 | 14.91  | 51.50           | 33.86        | 8.31            | 7.79 | 7.9               | 3.11            | 101.3 |
| 805      | 9/2/2011 18:31:19 | 14.87  | 51.47           | 33.84        | 8.20            | 7.77 | 9.2               | 2.99            | 99.8  |
| 806      | 9/2/2011 18:46:19 | 14.99  | 51.50           | 33.86        | 8.11            | 7.77 | 10.1              | 2.86            | 98.9  |
| 807      | 9/2/2011 19:01:19 | 15.28  | 51.48           | 33.85        | 8.09            | 7.78 | 9.0               | 2.74            | 99.3  |
| 808      | 9/2/2011 19:16:19 | 15.77  | 51.50           | 33.88        | 8.24            | 7.80 | 8.9               | 2.62            | 102.2 |
| 809      | 9/2/2011 19:31:19 | 15.68  | 51.55           | 33.92        | 8.61            | 7.83 | 7.1               | 2.48            | 106.5 |
| 810      | 9/2/2011 19:46:19 | 15.53  | 51.54           | 33.90        | 8.24            | 7.80 | 8.2               | 2.35            | 101.7 |
| 811      | 9/2/2011 20:01:19 | 16.06  | 51.50           | 33.88        | 8.12            | 7.80 | 9.6               | 2.22            | 101.2 |
| 812      | 9/2/2011 20:16:19 | 15.88  | 51.58           | 33.94        | 8.08            | 7.80 | 9.3               | 2.09            | 100.4 |
| 813      | 9/2/2011 20:31:19 | 16.12  | 51.54           | 33.92        | 8.02            | 7.80 | 9.2               | 1.97            | 100.1 |
| 814      | 9/2/2011 20:46:19 | 16.43  | 51.60           | 33.96        | 7.95            | 7.80 | 8.7               | 1.84            | 99.9  |
| 815      | 9/2/2011 21:01:19 | 16.49  | 51.63           | 33.99        | 7.89            | 7.80 | 8.5               | 1.73            | 99.3  |
| 816      | 9/2/2011 21:16:19 | 16.60  | 51.63           | 33.99        | 7.85            | 7.80 | 9.7               | 1.62            | 98.9  |
| 817      | 9/2/2011 21:31:19 | 17.00  | 51.66           | 34.02        | 7.88            | 7.81 | 8.4               | 1.54            | 100.1 |
| 818      | 9/2/2011 21:46:19 | 17.12  | 51.58           | 33.96        | 7.88            | 7.81 | 7.7               | 1.47            | 100.3 |
| 819      | 9/2/2011 22:01:19 | 17.42  | 51.68           | 34.04        | 7.94            | 7.83 | 7.4               | 1.42            | 101.8 |
| 820      | 9/2/2011 22:16:19 | 17.62  | 51.68           | 34.04        | 8.07            | 7.84 | 11.4              | 1.40            | 103.7 |
| 821      | 9/2/2011 22:31:19 | 17.57  | 51.67           | 34.03        | 8.05            | 7.84 | 6.3               | 1.39            | 103.4 |
| 822      | 9/2/2011 22:46:19 | 17.90  | 51.66           | 34.03        | 8.37            | 7.87 | 5.5               | 1.40            | 108.2 |
| 823      | 9/2/2011 23:01:19 | 17.83  | 51.60           | 33.98        | 8.39            | 7.86 | 5.0               | 1.43            | 108.3 |
| 824      | 9/2/2011 23:16:19 | 17.84  | 51.71           | 34.06        | 8.40            | 7.87 | 5.5               | 1.51            | 108.5 |
| 825      | 9/2/2011 23:31:19 | 17.82  | 51.64           | 34.01        | 8.45            | 7.87 | 5.6               | 1.61            | 109.1 |
| 826      | 9/2/2011 23:46:19 | 17.77  | 51.51           | 33.92        | 8.30            | 7.85 | 6.8               | 1.70            | 107.0 |
| 827      | 9/3/2011 00:01:19 | 17.99  | 51.55           | 33.94        | 7.95            | 7.83 | 9.9               | 1.76            | 102.9 |
| 828      | 9/3/2011 00:16:19 | 17.90  | 51.58           | 33.96        | 7.98            | 7.83 | 8.8               | 1.86            | 103.1 |
| 829      | 9/3/2011 00:31:19 | 17.58  | 51.61           | 33.99        | 8.02            | 7.83 | 7.4               | 1.94            | 103.0 |
| 830      | 9/3/2011 00:46:19 | 17.51  | 51.60           | 33.98        | 7.99            | 7.83 | 7.1               | 2.03            | 102.4 |
| 831      | 9/3/2011 01:01:19 | 17.42  | 51.61           | 33.98        | 7.99            | 7.82 | 6.7               | 2.11            | 102.3 |
| 832      | 9/3/2011 01:16:19 | 17.24  | 51.60           | 33.98        | 7.97            | 7.82 | 6.7               | 2.19            | 101.7 |
| 833      | 9/3/2011 01:31:19 | 17.02  | 51.54           | 33.93        | 7.88            | 7.81 | 6.7               | 2.29            | 100.1 |
| 834      | 9/3/2011 01:46:19 | 16.86  | 51.54           | 33.93        | 7.82            | 7.80 | 6.7               | 2.37            | 99.1  |
| 835      | 9/3/2011 02:01:19 | 16.69  | 51.59           | 33.96        | 7.80            | 7.80 | 7.3               | 2.45            | 98.5  |
| 836      | 9/3/2011 02:16:19 | 16.50  | 51.55           | 33.93        | 7.79            | 7.79 | 9.0               | 2.54            | 98.0  |
| 837      | 9/3/2011 02:31:19 | 16.29  | 51.50           | 33.89        | 7.78            | 7.78 | 7.1               | 2.62            | 97.5  |
| 838      | 9/3/2011 02:46:19 | 16.06  | 51.57           | 33.93        | 7.78            | 7.78 | 7.4               | 2.69            | 97.0  |
| 839      | 9/3/2011 03:01:19 | 15.96  | 51.49           | 33.87        | 7.76            | 7.78 | 6.9               | 2.77            | 96.5  |
| 840      | 9/3/2011 03:16:19 | 15.80  | 51.43           | 33.83        | 7.75            | 7.77 | 7.6               | 2.84            | 96.1  |
| 841      | 9/3/2011 03:31:19 | 15.40  | 51.54           | 33.90        | 7.81            | 7.77 | 8.2               | 2.92            | 96.1  |
| 842      | 9/3/2011 03:46:19 | 15.11  | 51.54           | 33.89        | 7.83            | 7.76 | 7.8               | 2.97            | 95.8  |
| 843      | 9/3/2011 04:01:19 | 14.80  | 51.51           | 33.87        | 7.89            | 7.76 | 6.8               | 3.03            | 95.9  |
| 844      | 9/3/2011 04:16:19 | 14.43  | 51.56           | 33.89        | 7.95            | 7.75 | 6.8               | 3.09            | 96.0  |
| 845      | 9/3/2011 04:31:19 | 14.11  | 51.53           | 33.86        | 8.00            | 7.75 | 6.1               | 3.14            | 95.9  |
| 846      | 9/3/2011 04:46:19 | 14.00  | 51.52           | 33.85        | 7.99            | 7.75 | 5.2               | 3.17            | 95.6  |
| 847      | 9/3/2011 05:01:19 | 13.91  | 51.54           | 33.86        | 7.92            | 7.74 | 5.2               | 3.19            | 94.5  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 848      | 9/3/2011 05:16:19 | 14.11  | 51.55  | 33.87        | 7.71    | 7.74 | 4.6        | 3.20            | 92.4  |
| 849      | 9/3/2011 05:31:19 | 13.88  | 51.47  | 33.81        | 7.76    | 7.73 | 4.6        | 3.18            | 92.6  |
| 850      | 9/3/2011 05:46:19 | 13.86  | 51.46  | 33.80        | 7.81    | 7.74 | 5.4        | 3.14            | 93.2  |
| 851      | 9/3/2011 06:01:19 | 14.49  | 51.62  | 33.94        | 7.54    | 7.73 | 6.7        | 3.08            | 91.1  |
| 852      | 9/3/2011 06:16:19 | 15.16  | 51.50  | 33.86        | 7.32    | 7.73 | 7.4        | 3.02            | 89.7  |
| 853      | 9/3/2011 06:31:19 | 15.25  | 51.58  | 33.93        | 7.26    | 7.73 | 7.6        | 2.95            | 89.1  |
| 854      | 9/3/2011 06:46:19 | 15.13  | 51.49  | 33.86        | 7.37    | 7.74 | 6.8        | 2.86            | 90.2  |
| 855      | 9/3/2011 07:01:19 | 15.59  | 51.59  | 33.94        | 7.18    | 7.73 | 7.1        | 2.79            | 88.6  |
| 856      | 9/3/2011 07:16:19 | 15.59  | 51.58  | 33.93        | 7.07    | 7.73 | 6.9        | 2.71            | 87.4  |
| 857      | 9/3/2011 07:31:19 | 15.91  | 51.53  | 33.90        | 6.88    | 7.72 | 6.6        | 2.64            | 85.5  |
| 858      | 9/3/2011 07:46:19 | 16.11  | 51.60  | 33.96        | 6.80    | 7.72 | 15.3       | 2.57            | 84.9  |
| 859      | 9/3/2011 08:01:19 | 16.03  | 51.57  | 33.94        | 6.82    | 7.72 | 6.8        | 2.49            | 84.9  |
| 860      | 9/3/2011 08:16:19 | 16.01  | 51.61  | 33.96        | 6.80    | 7.72 | 10.6       | 2.43            | 84.7  |
| 861      | 9/3/2011 08:31:19 | 15.89  | 51.58  | 33.94        | 7.05    | 7.73 | 8.2        | 2.37            | 87.6  |
| 862      | 9/3/2011 08:46:19 | 16.11  | 51.60  | 33.96        | 7.09    | 7.74 | 7.6        | 2.30            | 88.5  |
| 863      | 9/3/2011 09:01:19 | 16.19  | 51.61  | 33.97        | 7.09    | 7.74 | 12.0       | 2.25            | 88.7  |
| 864      | 9/3/2011 09:16:19 | 16.25  | 51.67  | 34.01        | 7.20    | 7.75 | 10.7       | 2.21            | 90.1  |
| 865      | 9/3/2011 09:31:19 | 16.40  | 51.66  | 34.01        | 7.28    | 7.76 | 10.9       | 2.16            | 91.4  |
| 866      | 9/3/2011 09:46:19 | 16.50  | 51.65  | 34.00        | 7.37    | 7.77 | 11.5       | 2.14            | 92.8  |
| 867      | 9/3/2011 10:01:19 | 16.71  | 51.55  | 33.94        | 7.30    | 7.77 | 4.7        | 2.13            | 92.2  |
| 868      | 9/3/2011 10:16:19 | 16.72  | 51.58  | 33.96        | 7.36    | 7.77 | 5.7        | 2.15            | 92.9  |
| 869      | 9/3/2011 10:31:19 | 16.83  | 51.66  | 34.01        | 7.34    | 7.77 | 6.1        | 2.16            | 93.0  |
| 870      | 9/3/2011 10:46:19 | 16.76  | 51.65  | 34.01        | 7.34    | 7.77 | 6.1        | 2.19            | 92.8  |
| 871      | 9/3/2011 11:01:19 | 16.78  | 51.54  | 33.93        | 7.33    | 7.77 | 5.4        | 2.25            | 92.7  |
| 872      | 9/3/2011 11:16:19 | 16.74  | 51.61  | 33.98        | 7.35    | 7.77 | 5.1        | 2.31            | 92.8  |
| 873      | 9/3/2011 11:31:19 | 16.62  | 51.64  | 34.00        | 7.33    | 7.76 | 5.6        | 2.38            | 92.4  |
| 874      | 9/3/2011 11:46:19 | 16.54  | 51.64  | 33.99        | 7.30    | 7.76 | 5.7        | 2.45            | 91.9  |
| 875      | 9/3/2011 12:01:19 | 16.39  | 51.60  | 33.97        | 7.30    | 7.75 | 5.7        | 2.53            | 91.7  |
| 876      | 9/3/2011 12:16:19 | 16.25  | 51.62  | 33.98        | 7.28    | 7.75 | 5.9        | 2.61            | 91.2  |
| 877      | 9/3/2011 12:31:19 | 16.03  | 51.52  | 33.90        | 7.32    | 7.75 | 6.2        | 2.67            | 91.2  |
| 878      | 9/3/2011 12:46:19 | 15.86  | 51.47  | 33.86        | 7.45    | 7.75 | 5.8        | 2.75            | 92.5  |
| 879      | 9/3/2011 13:01:19 | 15.62  | 51.50  | 33.88        | 7.62    | 7.76 | 5.8        | 2.84            | 94.2  |
| 880      | 9/3/2011 13:16:19 | 15.52  | 51.57  | 33.92        | 7.67    | 7.76 | 6.8        | 2.92            | 94.6  |
| 881      | 9/3/2011 13:31:19 | 15.37  | 51.56  | 33.91        | 7.75    | 7.76 | 7.1        | 2.99            | 95.4  |
| 882      | 9/3/2011 13:46:19 | 15.01  | 51.55  | 33.90        | 7.84    | 7.75 | 7.6        | 3.08            | 95.7  |
| 883      | 9/3/2011 14:01:19 | 14.62  | 51.45  | 33.82        | 7.90    | 7.75 | 8.1        | 3.17            | 95.6  |
| 884      | 9/3/2011 14:16:19 | 14.38  | 51.55  | 33.88        | 7.92    | 7.75 | 8.4        | 3.26            | 95.5  |
| 885      | 9/3/2011 14:31:19 | 13.71  | 51.38  | 33.73        | 8.05    | 7.74 | 11.3       | 3.34            | 95.7  |
| 886      | 9/3/2011 14:46:19 | 13.26  | 51.50  | 33.80        | 8.14    | 7.73 | 9.5        | 3.43            | 95.9  |
| 887      | 9/3/2011 15:01:19 | 12.91  | 51.51  | 33.80        | 8.21    | 7.71 | 8.7        | 3.52            | 96.0  |
| 888      | 9/3/2011 15:16:19 | 12.72  | 51.54  | 33.82        | 8.25    | 7.70 | 8.9        | 3.59            | 96.1  |
| 889      | 9/3/2011 15:31:19 | 12.52  | 51.55  | 33.81        | 8.32    | 7.70 | 7.2        | 3.66            | 96.5  |
| 890      | 9/3/2011 15:46:19 | 12.43  | 51.47  | 33.75        | 8.34    | 7.70 | 5.4        | 3.72            | 96.5  |
| 891      | 9/3/2011 16:01:19 | 12.39  | 51.55  | 33.80        | 8.31    | 7.69 | 5.2        | 3.77            | 96.1  |
| 892      | 9/3/2011 16:16:19 | 12.38  | 51.53  | 33.79        | 8.29    | 7.70 | 4.1        | 3.80            | 95.9  |
| 893      | 9/3/2011 16:31:19 | 12.37  | 51.51  | 33.78        | 8.10    | 7.69 | 3.7        | 3.82            | 93.7  |
| 894      | 9/3/2011 16:46:19 | 12.58  | 51.52  | 33.79        | 8.12    | 7.70 | 3.8        | 3.84            | 94.3  |
| 895      | 9/3/2011 17:01:19 | 12.56  | 51.47  | 33.75        | 8.16    | 7.75 | 4.0        | 3.82            | 94.7  |
| 896      | 9/3/2011 17:16:19 | 12.52  | 51.54  | 33.80        | 8.17    | 7.69 | 4.1        | 3.79            | 94.7  |
| 897      | 9/3/2011 17:31:19 | 12.52  | 51.56  | 33.81        | 8.19    | 7.70 | 4.8        | 3.73            | 95.0  |
| 898      | 9/3/2011 17:46:20 | 13.49  | 51.52  | 33.83        | 8.64    | 7.76 | 4.6        | 3.67            | 102.3 |
| 899      | 9/3/2011 18:01:19 | 13.72  | 51.53  | 33.85        | 8.72    | 7.77 | 5.1        | 3.59            | 103.8 |
| 900      | 9/3/2011 18:16:19 | 14.47  | 51.54  | 33.88        | 8.94    | 7.81 | 5.1        | 3.48            | 107.9 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 901      | 9/3/2011 18:31:19 | 14.94  | 51.49  | 33.85        | 8.91    | 7.82 | 7.0        | 3.39            | 108.5 |
| 902      | 9/3/2011 18:46:19 | 14.61  | 51.54  | 33.88        | 8.77    | 7.80 | 5.6        | 3.29            | 106.2 |
| 903      | 9/3/2011 19:01:19 | 14.59  | 51.51  | 33.85        | 8.59    | 7.79 | 6.1        | 3.18            | 104.0 |
| 904      | 9/3/2011 19:16:19 | 14.72  | 51.55  | 33.89        | 8.52    | 7.79 | 7.4        | 3.07            | 103.4 |
| 905      | 9/3/2011 19:31:19 | 15.03  | 51.54  | 33.89        | 8.48    | 7.80 | 7.6        | 2.95            | 103.6 |
| 906      | 9/3/2011 19:46:19 | 15.48  | 51.55  | 33.91        | 8.33    | 7.80 | 8.1        | 2.84            | 102.7 |
| 907      | 9/3/2011 20:01:19 | 15.77  | 51.48  | 33.86        | 8.32    | 7.81 | 7.4        | 2.73            | 103.1 |
| 908      | 9/3/2011 20:16:19 | 16.15  | 51.57  | 33.94        | 8.31    | 7.81 | 7.1        | 2.61            | 103.8 |
| 909      | 9/3/2011 20:31:19 | 16.39  | 51.51  | 33.90        | 8.39    | 7.82 | 6.8        | 2.48            | 105.2 |
| 910      | 9/3/2011 20:46:19 | 16.23  | 51.57  | 33.94        | 8.20    | 7.80 | 7.4        | 2.36            | 102.6 |
| 911      | 9/3/2011 21:01:19 | 16.09  | 51.46  | 33.86        | 8.14    | 7.80 | 7.7        | 2.25            | 101.5 |
| 912      | 9/3/2011 21:16:19 | 16.30  | 51.62  | 33.98        | 8.08    | 7.80 | 8.5        | 2.12            | 101.2 |
| 913      | 9/3/2011 21:31:19 | 16.44  | 51.61  | 33.97        | 8.08    | 7.81 | 7.9        | 1.99            | 101.5 |
| 914      | 9/3/2011 21:46:19 | 16.61  | 51.64  | 34.00        | 8.04    | 7.81 | 7.9        | 1.88            | 101.4 |
| 915      | 9/3/2011 22:01:19 | 16.72  | 51.55  | 33.93        | 8.00    | 7.81 | 7.2        | 1.77            | 101.1 |
| 916      | 9/3/2011 22:16:19 | 16.83  | 51.59  | 33.96        | 7.94    | 7.80 | 7.3        | 1.67            | 100.5 |
| 917      | 9/3/2011 22:31:19 | 17.05  | 51.68  | 34.03        | 7.96    | 7.81 | 6.5        | 1.57            | 101.2 |
| 918      | 9/3/2011 22:46:19 | 17.11  | 51.67  | 34.02        | 7.96    | 7.82 | 5.9        | 1.51            | 101.4 |
| 919      | 9/3/2011 23:01:19 | 17.26  | 51.67  | 34.03        | 7.98    | 7.82 | 5.6        | 1.47            | 102.0 |
| 920      | 9/3/2011 23:16:19 | 17.60  | 51.67  | 34.03        | 8.22    | 7.86 | 4.6        | 1.46            | 105.7 |
| 921      | 9/3/2011 23:31:19 | 18.05  | 51.73  | 34.08        | 8.61    | 7.90 | 4.3        | 1.43            | 111.6 |
| 922      | 9/3/2011 23:46:19 | 17.59  | 51.70  | 34.05        | 8.29    | 7.86 | 4.5        | 1.46            | 106.5 |
| 923      | 9/4/2011 00:01:19 | 17.89  | 51.74  | 34.08        | 8.66    | 7.89 | 3.8        | 1.53            | 112.0 |
| 924      | 9/4/2011 00:16:19 | 17.94  | 51.66  | 34.03        | 8.79    | 7.90 | 4.3        | 1.57            | 113.7 |
| 925      | 9/4/2011 00:31:19 | 17.97  | 51.73  | 34.08        | 8.86    | 7.90 | 4.6        | 1.64            | 114.7 |
| 926      | 9/4/2011 00:46:19 | 17.86  | 51.66  | 34.03        | 8.73    | 7.89 | 5.2        | 1.71            | 112.7 |
| 927      | 9/4/2011 01:01:19 | 18.07  | 51.54  | 33.94        | 8.39    | 7.86 | 7.0        | 1.79            | 108.7 |
| 928      | 9/4/2011 01:16:19 | 18.02  | 51.47  | 33.89        | 8.33    | 7.86 | 7.1        | 1.87            | 107.8 |
| 929      | 9/4/2011 01:31:19 | 17.75  | 51.64  | 34.01        | 8.38    | 7.86 | 6.2        | 1.93            | 107.9 |
| 930      | 9/4/2011 01:46:19 | 17.59  | 51.54  | 33.94        | 8.30    | 7.85 | 5.6        | 2.00            | 106.6 |
| 931      | 9/4/2011 02:01:19 | 17.50  | 51.56  | 33.95        | 8.25    | 7.84 | 5.8        | 2.08            | 105.7 |
| 932      | 9/4/2011 02:16:19 | 17.39  | 51.62  | 33.99        | 8.23    | 7.84 | 5.6        | 2.17            | 105.4 |
| 933      | 9/4/2011 02:31:19 | 17.25  | 51.63  | 33.99        | 8.19    | 7.83 | 5.8        | 2.23            | 104.5 |
| 934      | 9/4/2011 02:46:19 | 16.86  | 51.53  | 33.92        | 8.01    | 7.81 | 6.2        | 2.30            | 101.4 |
| 935      | 9/4/2011 03:01:19 | 16.60  | 51.57  | 33.94        | 7.91    | 7.80 | 5.9        | 2.39            | 99.7  |
| 936      | 9/4/2011 03:16:19 | 16.51  | 51.43  | 33.84        | 7.88    | 7.80 | 5.9        | 2.47            | 99.1  |
| 937      | 9/4/2011 03:31:19 | 16.34  | 51.36  | 33.78        | 7.88    | 7.79 | 5.7        | 2.54            | 98.7  |
| 938      | 9/4/2011 03:46:19 | 16.21  | 51.42  | 33.83        | 7.90    | 7.79 | 6.6        | 2.61            | 98.8  |
| 939      | 9/4/2011 04:01:19 | 16.04  | 51.38  | 33.80        | 7.94    | 7.79 | 5.6        | 2.67            | 98.9  |
| 940      | 9/4/2011 04:16:19 | 15.91  | 51.35  | 33.78        | 7.95    | 7.79 | 5.8        | 2.75            | 98.8  |
| 941      | 9/4/2011 04:31:19 | 15.83  | 51.32  | 33.75        | 7.94    | 7.78 | 5.7        | 2.80            | 98.4  |
| 942      | 9/4/2011 04:46:19 | 15.70  | 51.38  | 33.79        | 7.94    | 7.78 | 5.9        | 2.86            | 98.2  |
| 943      | 9/4/2011 05:01:19 | 15.50  | 51.46  | 33.84        | 7.96    | 7.78 | 5.7        | 2.92            | 98.1  |
| 944      | 9/4/2011 05:16:19 | 15.22  | 51.45  | 33.83        | 8.02    | 7.77 | 5.7        | 2.97            | 98.3  |
| 945      | 9/4/2011 05:31:19 | 15.00  | 51.35  | 33.75        | 8.05    | 7.77 | 5.9        | 3.01            | 98.2  |
| 946      | 9/4/2011 05:46:19 | 14.94  | 51.43  | 33.81        | 7.99    | 7.77 | 5.5        | 3.04            | 97.4  |
| 947      | 9/4/2011 06:01:19 | 14.90  | 51.48  | 33.84        | 7.95    | 7.77 | 6.8        | 3.07            | 96.8  |
| 948      | 9/4/2011 06:16:19 | 14.72  | 51.24  | 33.66        | 7.92    | 7.76 | 4.7        | 3.09            | 96.0  |
| 949      | 9/4/2011 06:31:19 | 15.01  | 51.39  | 33.78        | 7.73    | 7.76 | 5.3        | 3.08            | 94.3  |
| 950      | 9/4/2011 06:46:19 | 14.74  | 51.41  | 33.79        | 7.84    | 7.75 | 4.9        | 3.06            | 95.2  |
| 951      | 9/4/2011 07:01:19 | 14.87  | 51.39  | 33.77        | 7.80    | 7.76 | 4.6        | 3.04            | 94.9  |
| 952      | 9/4/2011 07:16:19 | 15.34  | 51.61  | 33.95        | 6.27    | 7.64 | 9.8        | 3.00            | 77.1  |
| 953      | 9/4/2011 07:31:19 | 15.58  | 51.54  | 33.91        | 6.58    | 7.71 | 9.2        | 2.94            | 81.3  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                   |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 954      | 9/4/2011 07:46:19 | 15.79  | 51.45  | 33.85        | 7.17    | 7.73 | 8.3               | 2.87            | 88.9  |
| 955      | 9/4/2011 08:01:19 | 15.73  | 51.49  | 33.87        | 7.33    | 7.74 | 7.6               | 2.81            | 90.8  |
| 956      | 9/4/2011 08:16:19 | 15.76  | 51.27  | 33.71        | 7.40    | 7.75 | 7.1               | 2.75            | 91.6  |
| 957      | 9/4/2011 08:31:19 | 15.73  | 51.39  | 33.80        | 7.33    | 7.74 | 7.3               | 2.68            | 90.7  |
| 958      | 9/4/2011 08:46:19 | 15.78  | 51.39  | 33.80        | 7.33    | 7.74 | 7.6               | 2.62            | 90.9  |
| 959      | 9/4/2011 09:01:19 | 15.66  | 51.48  | 33.86        | 7.37    | 7.74 | 6.1               | 2.56            | 91.1  |
| 960      | 9/4/2011 09:16:19 | 15.94  | 51.47  | 33.86        | 7.18    | 7.74 | 6.3               | 2.51            | 89.3  |
| 961      | 9/4/2011 09:31:19 | 16.02  | 51.47  | 33.86        | 7.14    | 7.74 | 5.7               | 2.46            | 88.9  |
| 962      | 9/4/2011 09:46:19 | 16.03  | 51.51  | 33.89        | 7.18    | 7.74 | 5.6               | 2.42            | 89.4  |
| 963      | 9/4/2011 10:01:19 | 16.23  | 51.33  | 33.76        | 7.33    | 7.76 | 6.1               | 2.39            | 91.7  |
| 964      | 9/4/2011 10:16:19 | 16.37  | 51.44  | 33.85        | 7.29    | 7.76 | 6.0               | 2.36            | 91.4  |
| 965      | 9/4/2011 10:31:19 | 16.45  | 51.47  | 33.87        | 7.50    | 7.77 | 5.4               | 2.33            | 94.2  |
| 966      | 9/4/2011 10:46:19 | 16.62  | 51.31  | 33.76        | 7.56    | 7.79 | 5.3               | 2.32            | 95.2  |
| 967      | 9/4/2011 11:01:19 | 16.72  | 51.40  | 33.82        | 7.44    | 7.79 | 4.8               | 2.32            | 93.9  |
| 968      | 9/4/2011 11:16:19 | 16.69  | 51.33  | 33.77        | 7.57    | 7.79 | 5.7               | 2.33            | 95.4  |
| 969      | 9/4/2011 11:31:19 | 16.75  | 51.39  | 33.82        | 7.59    | 7.79 | 4.8               | 2.35            | 95.8  |
| 970      | 9/4/2011 11:46:19 | 16.61  | 51.41  | 33.83        | 7.51    | 7.78 | 4.9               | 2.38            | 94.6  |
| 971      | 9/4/2011 12:01:19 | 16.58  | 51.34  | 33.78        | 7.53    | 7.78 | 5.1               | 2.41            | 94.8  |
| 972      | 9/4/2011 12:16:19 | 16.53  | 51.41  | 33.82        | 7.51    | 7.78 | 4.7               | 2.46            | 94.5  |
| 973      | 9/4/2011 12:31:19 | 16.41  | 51.27  | 33.72        | 7.51    | 7.77 | 5.0               | 2.52            | 94.1  |
| 974      | 9/4/2011 12:46:19 | 16.46  | 51.33  | 33.77        | 7.52    | 7.77 | 5.6               | 2.57            | 94.4  |
| 975      | 9/4/2011 13:01:19 | 16.26  | 51.28  | 33.73        | 7.60    | 7.77 | 5.5               | 2.63            | 95.0  |
| 976      | 9/4/2011 13:16:19 | 16.11  | 51.37  | 33.79        | 7.59    | 7.76 | 5.2               | 2.69            | 94.7  |
| 977      | 9/4/2011 13:31:19 | 15.94  | 51.37  | 33.78        | 7.57    | 7.76 | 5.4               | 2.76            | 94.1  |
| 978      | 9/4/2011 13:46:19 | 15.68  | 51.29  | 33.73        | 7.63    | 7.76 | 5.4               | 2.82            | 94.4  |
| 979      | 9/4/2011 14:01:19 | 15.34  | 51.32  | 33.74        | 7.86    | 7.76 | 5.2               | 2.88            | 96.5  |
| 980      | 9/4/2011 14:16:19 | 15.21  | 51.33  | 33.74        | 7.95    | 7.77 | 6.1               | 2.96            | 97.3  |
| 981      | 9/4/2011 14:31:19 | 15.09  | 51.35  | 33.76        | 7.97    | 7.77 | 5.9               | 3.03            | 97.3  |
| 982      | 9/4/2011 14:46:19 | 14.89  | 51.31  | 33.72        | 8.03    | 7.77 | 6.3               | 3.10            | 97.7  |
| 983      | 9/4/2011 15:01:19 | 14.79  | 51.39  | 33.77        | 8.11    | 7.77 | 7.0               | 3.17            | 98.6  |
| 984      | 9/4/2011 15:16:19 | 14.46  | 51.29  | 33.69        | 8.24    | 7.77 | 5.6               | 3.26            | 99.4  |
| 985      | 9/4/2011 15:31:20 | 14.24  | 51.27  | 33.67        | 8.32    | 7.77 | 5.9               | 3.33            | 99.9  |
| 986      | 9/4/2011 15:46:19 | 13.93  | 51.29  | 33.68        | 8.39    | 7.77 | 6.2               | 3.40            | 100.1 |
| 987      | 9/4/2011 16:01:19 | 13.69  | 51.28  | 33.66        | 8.49    | 7.77 | 5.9               | 3.47            | 100.8 |
| 988      | 9/4/2011 16:16:19 | 13.46  | 51.33  | 33.69        | 8.62    | 7.76 | 5.5               | 3.53            | 101.8 |
| 989      | 9/4/2011 16:31:19 | 13.32  | 51.36  | 33.70        | 8.67    | 7.76 | 5.6               | 3.59            | 102.2 |
| 990      | 9/4/2011 16:46:19 | 13.10  | 51.43  | 33.75        | 8.75    | 7.76 | 8.5               | 3.64            | 102.7 |
| 991      | 9/4/2011 17:01:19 | 12.99  | 51.43  | 33.74        | 8.79    | 7.76 | 3.8               | 3.68            | 103.0 |
| 992      | 9/4/2011 17:16:20 | 12.92  | 51.41  | 33.73        | 8.79    | 7.79 | 3.3               | 3.71            | 102.8 |
| 993      | 9/4/2011 17:31:19 | 12.91  | 51.42  | 33.73        | 8.70    | 7.76 | 2.9               | 3.73            | 101.7 |
| 994      | 9/4/2011 17:46:20 | 13.20  | 51.46  | 33.78        | 8.53    | 7.78 | 3.3               | 3.73            | 100.3 |
| 995      | 9/4/2011 18:01:19 | 12.94  | 51.38  | 33.71        | 8.63    | 7.75 | 6.3               | 3.72            | 100.9 |
| 996      | 9/4/2011 18:16:19 | 12.96  | 51.39  | 33.71        | 8.71    | 7.76 | 22.7              | 3.69            | 101.9 |
| 997      | 9/4/2011 18:31:19 | 13.09  | 51.40  | 33.72        | 8.64    | 7.75 | 3.8               | 3.64            | 101.4 |
| 998      | 9/4/2011 18:46:19 | 13.92  | 51.29  | 33.68        | 8.54    | 7.78 | 5.7               | 3.57            | 101.9 |
| 999      | 9/4/2011 19:01:19 | 14.01  | 51.32  | 33.70        | 8.56    | 7.79 | 5.4               | 3.50            | 102.3 |
| 1000     | 9/4/2011 19:16:19 | 14.18  | 51.45  | 33.80        | 8.84    | 7.81 | 5.6               | 3.41            | 106.1 |
| 1001     | 9/4/2011 19:31:19 | 14.97  | 51.47  | 33.84        | 8.84    | 7.83 | 6.0               | 3.32            | 107.9 |
| 1002     | 9/4/2011 19:46:19 | 14.79  | 51.48  | 33.84        | 8.70    | 7.81 | 6.3               | 3.22            | 105.8 |
| 1003     | 9/4/2011 20:01:19 | 14.99  | 51.54  | 33.89        | 8.57    | 7.81 | 7.0               | 3.12            | 104.6 |
| 1004     | 9/4/2011 20:16:19 | 14.91  | 51.54  | 33.89        | 8.40    | 7.79 | 6.0               | 3.03            | 102.3 |
| 1005     | 9/4/2011 20:31:19 | 15.21  | 51.48  | 33.85        | 8.35    | 7.80 | 6.2               | 2.92            | 102.4 |
| 1006     | 9/4/2011 20:46:19 | 15.54  | 51.60  | 33.95        | 8.26    | 7.80 | 6.8               | 2.82            | 101.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                   |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 1007     | 9/4/2011 21:01:19 | 15.72  | 51.53  | 33.90        | 8.18    | 7.79 | 6.2        | 2.72   | 101.3 |
| 1008     | 9/4/2011 21:16:19 | 15.94  | 51.37  | 33.78        | 8.14    | 7.80 | 8.4        | 2.61   | 101.1 |
| 1009     | 9/4/2011 21:31:19 | 16.29  | 51.32  | 33.76        | 8.28    | 7.82 | 6.5        | 2.50   | 103.5 |
| 1010     | 9/4/2011 21:46:19 | 16.24  | 51.47  | 33.87        | 8.13    | 7.81 | 9.2        | 2.39   | 101.7 |
| 1011     | 9/4/2011 22:01:19 | 16.10  | 51.50  | 33.88        | 8.05    | 7.80 | 7.8        | 2.27   | 100.4 |
| 1012     | 9/4/2011 22:16:19 | 16.09  | 51.47  | 33.86        | 7.95    | 7.80 | 7.6        | 2.15   | 99.2  |
| 1013     | 9/4/2011 22:31:19 | 16.31  | 51.48  | 33.88        | 7.97    | 7.80 | 7.1        | 2.05   | 99.8  |
| 1014     | 9/4/2011 22:46:19 | 16.23  | 51.52  | 33.90        | 7.85    | 7.79 | 7.1        | 1.93   | 98.2  |
| 1015     | 9/4/2011 23:01:19 | 16.37  | 51.40  | 33.82        | 7.81    | 7.79 | 6.8        | 1.82   | 97.9  |
| 1016     | 9/4/2011 23:16:19 | 16.49  | 51.33  | 33.76        | 7.75    | 7.79 | 9.6        | 1.73   | 97.3  |
| 1017     | 9/4/2011 23:31:19 | 16.69  | 51.64  | 34.00        | 7.72    | 7.80 | 17.5       | 1.64   | 97.5  |
| 1018     | 9/4/2011 23:46:19 | 16.73  | 51.69  | 34.04        | 7.74    | 7.80 | 24.2       | 1.58   | 97.9  |
| 1019     | 9/5/2011 00:01:19 | 16.95  | 51.51  | 33.90        | 7.80    | 7.81 | 23.7       | 1.52   | 98.9  |
| 1020     | 9/5/2011 00:16:19 | 17.08  | 51.71  | 34.05        | 7.93    | 7.83 | 58.2       | 1.50   | 100.9 |
| 1021     | 9/5/2011 00:31:19 | 17.48  | 51.67  | 34.03        | 8.27    | 7.87 | 102.4      | 1.51   | 106.1 |
| 1022     | 9/5/2011 00:46:19 | 17.06  | 51.66  | 34.02        | 7.90    | 7.83 | 35.3       | 1.49   | 100.5 |
| 1023     | 9/5/2011 01:01:19 | 17.59  | 51.71  | 34.06        | 8.57    | 7.89 | 16.8       | 1.52   | 110.2 |
| 1024     | 9/5/2011 01:16:19 | 17.43  | 51.72  | 34.06        | 8.42    | 7.87 | 3.5        | 1.58   | 107.8 |
| 1025     | 9/5/2011 01:31:19 | 17.53  | 51.74  | 34.08        | 8.55    | 7.89 | 6.1        | 1.61   | 109.8 |
| 1026     | 9/5/2011 01:46:19 | 17.49  | 51.73  | 34.07        | 8.52    | 7.88 | 8.9        | 1.66   | 109.3 |
| 1027     | 9/5/2011 02:01:19 | 17.42  | 51.73  | 34.08        | 8.42    | 7.87 | 4.2        | 1.74   | 107.9 |
| 1028     | 9/5/2011 02:16:19 | 17.55  | 51.68  | 34.04        | 8.26    | 7.86 | 6.1        | 1.80   | 106.1 |
| 1029     | 9/5/2011 02:31:19 | 17.63  | 51.48  | 33.89        | 8.13    | 7.85 | 6.8        | 1.86   | 104.5 |
| 1030     | 9/5/2011 02:46:19 | 17.51  | 51.67  | 34.03        | 8.15    | 7.85 | 6.3        | 1.93   | 104.6 |
| 1031     | 9/5/2011 03:01:19 | 17.26  | 51.67  | 34.03        | 8.15    | 7.84 | 5.5        | 2.01   | 104.1 |
| 1032     | 9/5/2011 03:16:19 | 17.14  | 51.34  | 33.79        | 8.11    | 7.84 | 5.4        | 2.08   | 103.1 |
| 1033     | 9/5/2011 03:31:19 | 17.06  | 51.32  | 33.77        | 8.09    | 7.83 | 5.7        | 2.15   | 102.7 |
| 1034     | 9/5/2011 03:46:19 | 16.97  | 51.57  | 33.95        | 8.05    | 7.83 | 5.6        | 2.22   | 102.2 |
| 1035     | 9/5/2011 04:01:19 | 16.77  | 51.45  | 33.86        | 8.00    | 7.82 | 5.9        | 2.29   | 101.1 |
| 1036     | 9/5/2011 04:16:19 | 16.40  | 51.36  | 33.79        | 7.86    | 7.80 | 5.8        | 2.37   | 98.6  |
| 1037     | 9/5/2011 04:31:19 | 16.31  | 51.40  | 33.82        | 7.82    | 7.79 | 5.9        | 2.43   | 97.9  |
| 1038     | 9/5/2011 04:46:19 | 16.19  | 51.29  | 33.73        | 7.79    | 7.79 | 5.6        | 2.51   | 97.2  |
| 1039     | 9/5/2011 05:01:19 | 16.06  | 51.27  | 33.71        | 7.80    | 7.78 | 5.7        | 2.59   | 97.1  |
| 1040     | 9/5/2011 05:16:19 | 15.95  | 51.26  | 33.71        | 7.83    | 7.78 | 5.8        | 2.64   | 97.2  |
| 1041     | 9/5/2011 05:31:19 | 15.83  | 51.29  | 33.72        | 7.87    | 7.78 | 8.3        | 2.70   | 97.6  |
| 1042     | 9/5/2011 05:46:19 | 15.71  | 51.26  | 33.70        | 7.87    | 7.78 | 5.5        | 2.76   | 97.4  |
| 1043     | 9/5/2011 06:01:19 | 15.61  | 51.25  | 33.69        | 7.87    | 7.78 | 5.1        | 2.82   | 97.1  |
| 1044     | 9/5/2011 06:16:19 | 15.51  | 51.17  | 33.63        | 7.88    | 7.78 | 5.2        | 2.87   | 97.0  |
| 1045     | 9/5/2011 06:31:19 | 15.36  | 51.18  | 33.63        | 7.88    | 7.77 | 6.8        | 2.90   | 96.7  |
| 1046     | 9/5/2011 06:46:19 | 15.17  | 51.19  | 33.64        | 7.90    | 7.77 | 4.9        | 2.95   | 96.6  |
| 1047     | 9/5/2011 07:01:19 | 14.98  | 51.26  | 33.68        | 7.95    | 7.77 | 4.9        | 2.99   | 96.9  |
| 1048     | 9/5/2011 07:16:19 | 14.93  | 51.22  | 33.65        | 7.92    | 7.77 | 4.9        | 3.01   | 96.4  |
| 1049     | 9/5/2011 07:31:19 | 14.90  | 51.25  | 33.67        | 7.83    | 7.77 | 4.2        | 3.03   | 95.2  |
| 1050     | 9/5/2011 07:46:19 | 15.04  | 51.18  | 33.63        | 7.60    | 7.76 | 5.0        | 3.04   | 92.7  |
| 1051     | 9/5/2011 08:01:19 | 14.92  | 51.26  | 33.68        | 7.73    | 7.76 | 4.6        | 3.03   | 94.1  |
| 1052     | 9/5/2011 08:16:19 | 14.91  | 51.24  | 33.67        | 7.78    | 7.76 | 4.5        | 3.00   | 94.6  |
| 1053     | 9/5/2011 08:31:19 | 15.15  | 51.25  | 33.68        | 7.66    | 7.76 | 4.8        | 2.97   | 93.7  |
| 1054     | 9/5/2011 08:46:19 | 15.43  | 51.39  | 33.79        | 7.05    | 7.73 | 6.8        | 2.93   | 86.7  |
| 1055     | 9/5/2011 09:01:19 | 15.42  | 51.38  | 33.78        | 6.69    | 7.69 | 6.8        | 2.86   | 82.3  |
| 1056     | 9/5/2011 09:16:19 | 15.44  | 51.32  | 33.74        | 6.83    | 7.69 | 6.5        | 2.81   | 84.0  |
| 1057     | 9/5/2011 09:31:19 | 15.56  | 51.26  | 33.70        | 7.04    | 7.71 | 7.6        | 2.75   | 86.8  |
| 1058     | 9/5/2011 09:46:19 | 15.62  | 51.21  | 33.66        | 7.39    | 7.75 | 28.5       | 2.70   | 91.2  |
| 1059     | 9/5/2011 10:01:19 | 15.65  | 51.23  | 33.67        | 7.52    | 7.76 | 36.7       | 2.65   | 92.8  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1060     | 9/5/2011 10:16:19 | 15.53  | 51.29  | 33.72        | 7.72    | 7.76 | 44.6       | 2.60            | 95.2  |
| 1061     | 9/5/2011 10:31:19 | 15.62  | 51.25  | 33.69        | 7.77    | 7.77 | 25.1       | 2.56            | 95.9  |
| 1062     | 9/5/2011 10:46:19 | 15.82  | 51.30  | 33.73        | 7.56    | 7.76 | 56.6       | 2.52            | 93.8  |
| 1063     | 9/5/2011 11:01:19 | 15.99  | 51.34  | 33.77        | 7.54    | 7.76 | 50.0       | 2.49            | 93.7  |
| 1064     | 9/5/2011 11:16:19 | 15.91  | 51.34  | 33.77        | 7.62    | 7.77 | 42.1       | 2.45            | 94.7  |
| 1065     | 9/5/2011 11:31:19 | 16.18  | 51.60  | 33.96        | 7.45    | 7.77 | 45.1       | 2.44            | 93.1  |
| 1066     | 9/5/2011 11:46:19 | 16.20  | 51.61  | 33.97        | 7.45    | 7.77 | 50.5       | 2.42            | 93.1  |
| 1067     | 9/5/2011 12:01:19 | 16.30  | 51.59  | 33.95        | 7.52    | 7.78 | 44.6       | 2.41            | 94.2  |
| 1068     | 9/5/2011 12:16:19 | 16.31  | 51.61  | 33.97        | 7.62    | 7.78 | 13.2       | 2.41            | 95.5  |
| 1069     | 9/5/2011 12:31:19 | 16.33  | 51.56  | 33.93        | 7.61    | 7.78 | 8.4        | 2.41            | 95.4  |
| 1070     | 9/5/2011 12:46:19 | 16.48  | 51.69  | 34.04        | 7.61    | 7.78 | 30.6       | 2.42            | 95.7  |
| 1071     | 9/5/2011 13:01:19 | 16.39  | 51.60  | 33.96        | 7.56    | 7.78 | 4.2        | 2.46            | 94.9  |
| 1072     | 9/5/2011 13:16:19 | 16.30  | 51.44  | 33.85        | 7.58    | 7.78 | 4.3        | 2.49            | 94.9  |
| 1073     | 9/5/2011 13:31:19 | 16.25  | 51.59  | 33.95        | 7.61    | 7.78 | 4.5        | 2.53            | 95.3  |
| 1074     | 9/5/2011 13:46:19 | 16.13  | 51.56  | 33.93        | 7.63    | 7.77 | 4.9        | 2.58            | 95.2  |
| 1075     | 9/5/2011 14:01:19 | 16.14  | 51.59  | 33.95        | 7.66    | 7.78 | 4.8        | 2.62            | 95.6  |
| 1076     | 9/5/2011 14:16:19 | 16.01  | 51.57  | 33.93        | 7.69    | 7.77 | 4.6        | 2.68            | 95.7  |
| 1077     | 9/5/2011 14:31:19 | 15.89  | 51.55  | 33.92        | 7.69    | 7.77 | 4.7        | 2.73            | 95.6  |
| 1078     | 9/5/2011 14:46:19 | 15.82  | 51.56  | 33.92        | 7.70    | 7.77 | 4.9        | 2.79            | 95.5  |
| 1079     | 9/5/2011 15:01:19 | 15.65  | 51.55  | 33.91        | 7.67    | 7.76 | 5.1        | 2.86            | 94.8  |
| 1080     | 9/5/2011 15:16:19 | 15.56  | 51.45  | 33.84        | 7.74    | 7.77 | 4.8        | 2.91            | 95.5  |
| 1081     | 9/5/2011 15:31:19 | 15.25  | 51.52  | 33.88        | 7.97    | 7.77 | 4.8        | 2.97            | 97.8  |
| 1082     | 9/5/2011 15:46:19 | 14.88  | 51.47  | 33.84        | 8.10    | 7.78 | 4.6        | 3.03            | 98.6  |
| 1083     | 9/5/2011 16:01:19 | 14.71  | 51.58  | 33.91        | 8.16    | 7.78 | 4.5        | 3.10            | 99.0  |
| 1084     | 9/5/2011 16:16:19 | 14.49  | 51.45  | 33.81        | 8.22    | 7.78 | 4.3        | 3.17            | 99.3  |
| 1085     | 9/5/2011 16:31:19 | 14.25  | 51.55  | 33.87        | 8.24    | 7.78 | 4.3        | 3.23            | 99.1  |
| 1086     | 9/5/2011 16:46:19 | 14.12  | 51.52  | 33.85        | 8.31    | 7.78 | 4.2        | 3.30            | 99.6  |
| 1087     | 9/5/2011 17:01:19 | 13.92  | 51.54  | 33.86        | 8.34    | 7.78 | 4.3        | 3.36            | 99.6  |
| 1088     | 9/5/2011 17:16:19 | 13.85  | 51.53  | 33.85        | 8.37    | 7.78 | 4.0        | 3.42            | 99.8  |
| 1089     | 9/5/2011 17:31:19 | 13.53  | 51.51  | 33.83        | 8.53    | 7.76 | 4.8        | 3.47            | 101.1 |
| 1090     | 9/5/2011 17:46:19 | 13.38  | 51.40  | 33.74        | 8.61    | 7.76 | 4.6        | 3.52            | 101.6 |
| 1091     | 9/5/2011 18:01:19 | 13.26  | 51.44  | 33.76        | 8.66    | 7.76 | 4.2        | 3.57            | 102.0 |
| 1092     | 9/5/2011 18:16:19 | 13.06  | 51.52  | 33.81        | 8.68    | 7.76 | 3.8        | 3.60            | 101.8 |
| 1093     | 9/5/2011 18:31:19 | 12.94  | 51.57  | 33.84        | 8.65    | 7.76 | 3.8        | 3.62            | 101.2 |
| 1094     | 9/5/2011 18:46:20 | 13.31  | 51.58  | 33.87        | 8.57    | 7.80 | 3.5        | 3.62            | 101.1 |
| 1095     | 9/5/2011 19:01:20 | 13.01  | 51.51  | 33.80        | 8.41    | 7.78 | 3.5        | 3.64            | 98.5  |
| 1096     | 9/5/2011 19:16:20 | 13.02  | 51.49  | 33.79        | 8.52    | 7.79 | 3.3        | 3.61            | 99.8  |
| 1097     | 9/5/2011 19:31:19 | 13.13  | 51.44  | 33.75        | 8.49    | 7.75 | 3.8        | 3.57            | 99.7  |
| 1098     | 9/5/2011 19:46:19 | 13.86  | 51.39  | 33.75        | 8.35    | 7.76 | 4.5        | 3.52            | 99.6  |
| 1099     | 9/5/2011 20:01:19 | 14.33  | 51.47  | 33.82        | 8.26    | 7.78 | 5.2        | 3.45            | 99.5  |
| 1100     | 9/5/2011 20:16:19 | 14.30  | 51.50  | 33.84        | 8.19    | 7.78 | 11.7       | 3.38            | 98.6  |
| 1101     | 9/5/2011 20:31:19 | 14.42  | 51.51  | 33.85        | 8.29    | 7.79 | 7.3        | 3.30            | 100.0 |
| 1102     | 9/5/2011 20:46:19 | 14.89  | 51.55  | 33.90        | 8.41    | 7.80 | 11.0       | 3.20            | 102.4 |
| 1103     | 9/5/2011 21:01:19 | 14.94  | 51.55  | 33.90        | 8.51    | 7.81 | 5.9        | 3.12            | 103.8 |
| 1104     | 9/5/2011 21:16:19 | 15.39  | 51.53  | 33.90        | 8.50    | 7.82 | 5.5        | 3.03            | 104.6 |
| 1105     | 9/5/2011 21:31:19 | 15.56  | 51.30  | 33.73        | 8.46    | 7.82 | 5.6        | 2.93            | 104.3 |
| 1106     | 9/5/2011 21:46:19 | 15.85  | 51.44  | 33.84        | 8.35    | 7.82 | 6.8        | 2.84            | 103.6 |
| 1107     | 9/5/2011 22:01:19 | 16.06  | 51.47  | 33.86        | 8.36    | 7.82 | 6.0        | 2.74            | 104.2 |
| 1108     | 9/5/2011 22:16:19 | 16.30  | 51.31  | 33.75        | 8.58    | 7.84 | 5.9        | 2.64            | 107.3 |
| 1109     | 9/5/2011 22:31:19 | 16.38  | 51.35  | 33.78        | 8.54    | 7.84 | 9.5        | 2.53            | 107.1 |
| 1110     | 9/5/2011 22:46:19 | 16.47  | 51.52  | 33.91        | 8.57    | 7.84 | 7.6        | 2.43            | 107.7 |
| 1111     | 9/5/2011 23:01:19 | 16.38  | 51.34  | 33.77        | 8.30    | 7.83 | 10.3       | 2.31            | 104.1 |
| 1112     | 9/5/2011 23:16:19 | 16.09  | 51.46  | 33.86        | 7.99    | 7.80 | 8.0        | 2.20            | 99.7  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                   |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1113     | 9/5/2011 23:31:19 | 16.20  | 51.59  | 33.95        | 7.95    | 7.80 | 8.1        | 2.09   | 99.5  |
| 1114     | 9/5/2011 23:46:19 | 16.35  | 51.37  | 33.80        | 7.93    | 7.81 | 7.1        | 1.98   | 99.4  |
| 1115     | 9/6/2011 00:01:19 | 16.34  | 51.47  | 33.86        | 7.84    | 7.80 | 10.4       | 1.89   | 98.2  |
| 1116     | 9/6/2011 00:16:19 | 16.45  | 51.50  | 33.89        | 7.76    | 7.79 | 16.1       | 1.77   | 97.4  |
| 1117     | 9/6/2011 00:31:19 | 16.61  | 51.67  | 34.02        | 7.78    | 7.80 | 6.0        | 1.69   | 98.0  |
| 1118     | 9/6/2011 00:46:19 | 16.75  | 51.63  | 34.00        | 7.79    | 7.81 | 5.6        | 1.61   | 98.5  |
| 1119     | 9/6/2011 01:01:19 | 16.98  | 51.69  | 34.04        | 7.85    | 7.82 | 5.2        | 1.55   | 99.8  |
| 1120     | 9/6/2011 01:16:19 | 16.99  | 51.64  | 34.00        | 7.81    | 7.82 | 5.1        | 1.51   | 99.2  |
| 1121     | 9/6/2011 01:31:19 | 17.49  | 51.74  | 34.08        | 8.32    | 7.87 | 4.2        | 1.50   | 106.7 |
| 1122     | 9/6/2011 01:46:19 | 17.54  | 51.74  | 34.08        | 8.29    | 7.88 | 4.1        | 1.48   | 106.4 |
| 1123     | 9/6/2011 02:01:19 | 17.30  | 51.72  | 34.06        | 8.18    | 7.86 | 4.8        | 1.49   | 104.6 |
| 1124     | 9/6/2011 02:16:19 | 17.54  | 51.74  | 34.08        | 8.53    | 7.89 | 3.6        | 1.53   | 109.5 |
| 1125     | 9/6/2011 02:31:19 | 17.47  | 51.65  | 34.01        | 8.49    | 7.88 | 4.4        | 1.58   | 108.9 |
| 1126     | 9/6/2011 02:46:19 | 17.56  | 51.75  | 34.09        | 8.65    | 7.90 | 4.3        | 1.62   | 111.2 |
| 1127     | 9/6/2011 03:01:19 | 17.49  | 51.72  | 34.07        | 8.58    | 7.89 | 4.4        | 1.68   | 110.1 |
| 1128     | 9/6/2011 03:16:19 | 17.50  | 51.63  | 34.00        | 8.42    | 7.88 | 5.7        | 1.75   | 108.0 |
| 1129     | 9/6/2011 03:31:19 | 17.65  | 51.56  | 33.95        | 8.20    | 7.86 | 7.2        | 1.81   | 105.4 |
| 1130     | 9/6/2011 03:46:19 | 17.60  | 51.61  | 33.99        | 8.13    | 7.86 | 8.1        | 1.86   | 104.4 |
| 1131     | 9/6/2011 04:01:19 | 17.51  | 51.64  | 34.01        | 8.21    | 7.86 | 6.8        | 1.93   | 105.3 |
| 1132     | 9/6/2011 04:16:19 | 17.31  | 51.66  | 34.02        | 8.18    | 7.85 | 6.0        | 2.01   | 104.5 |
| 1133     | 9/6/2011 04:31:19 | 17.21  | 51.60  | 33.98        | 8.14    | 7.85 | 5.6        | 2.06   | 103.8 |
| 1134     | 9/6/2011 04:46:19 | 17.12  | 51.60  | 33.97        | 8.12    | 7.84 | 5.6        | 2.14   | 103.4 |
| 1135     | 9/6/2011 05:01:19 | 16.99  | 51.61  | 33.98        | 8.12    | 7.84 | 5.5        | 2.21   | 103.1 |
| 1136     | 9/6/2011 05:16:19 | 16.80  | 51.60  | 33.97        | 8.07    | 7.83 | 6.3        | 2.29   | 102.1 |
| 1137     | 9/6/2011 05:31:19 | 16.48  | 51.58  | 33.95        | 7.92    | 7.81 | 5.9        | 2.36   | 99.5  |
| 1138     | 9/6/2011 05:46:19 | 16.36  | 51.60  | 33.96        | 7.85    | 7.80 | 6.3        | 2.44   | 98.5  |
| 1139     | 9/6/2011 06:01:19 | 16.20  | 51.56  | 33.93        | 7.83    | 7.79 | 5.7        | 2.51   | 97.9  |
| 1140     | 9/6/2011 06:16:19 | 16.07  | 51.55  | 33.92        | 7.82    | 7.79 | 5.4        | 2.57   | 97.5  |
| 1141     | 9/6/2011 06:31:19 | 15.96  | 51.58  | 33.94        | 7.84    | 7.79 | 5.4        | 2.65   | 97.5  |
| 1142     | 9/6/2011 06:46:19 | 15.83  | 51.45  | 33.84        | 7.89    | 7.79 | 5.4        | 2.71   | 97.9  |
| 1143     | 9/6/2011 07:01:19 | 15.72  | 51.42  | 33.82        | 7.90    | 7.79 | 5.4        | 2.77   | 97.8  |
| 1144     | 9/6/2011 07:16:19 | 15.60  | 51.49  | 33.87        | 7.86    | 7.78 | 5.7        | 2.83   | 97.1  |
| 1145     | 9/6/2011 07:31:19 | 15.47  | 51.54  | 33.90        | 7.86    | 7.78 | 5.4        | 2.87   | 96.9  |
| 1146     | 9/6/2011 07:46:19 | 15.28  | 51.54  | 33.90        | 7.85    | 7.78 | 5.7        | 2.93   | 96.4  |
| 1147     | 9/6/2011 08:01:19 | 15.07  | 51.49  | 33.85        | 7.88    | 7.77 | 5.6        | 2.97   | 96.3  |
| 1148     | 9/6/2011 08:16:19 | 14.98  | 51.45  | 33.82        | 7.91    | 7.77 | 4.9        | 3.00   | 96.4  |
| 1149     | 9/6/2011 08:31:19 | 14.90  | 51.43  | 33.81        | 7.90    | 7.77 | 6.0        | 3.04   | 96.2  |
| 1150     | 9/6/2011 08:46:19 | 14.82  | 51.51  | 33.87        | 7.90    | 7.77 | 4.8        | 3.06   | 96.0  |
| 1151     | 9/6/2011 09:01:19 | 15.17  | 51.21  | 33.65        | 7.64    | 7.77 | 4.1        | 3.07   | 93.5  |
| 1152     | 9/6/2011 09:16:19 | 14.88  | 51.42  | 33.80        | 7.69    | 7.76 | 4.8        | 3.06   | 93.6  |
| 1153     | 9/6/2011 09:31:19 | 14.88  | 51.51  | 33.87        | 7.70    | 7.76 | 4.5        | 3.04   | 93.8  |
| 1154     | 9/6/2011 09:46:19 | 14.90  | 51.51  | 33.86        | 7.72    | 7.77 | 4.1        | 3.02   | 94.0  |
| 1155     | 9/6/2011 10:01:19 | 15.13  | 51.51  | 33.87        | 7.72    | 7.77 | 4.7        | 2.97   | 94.4  |
| 1156     | 9/6/2011 10:16:19 | 15.50  | 51.56  | 33.92        | 7.77    | 7.78 | 6.2        | 2.91   | 95.8  |
| 1157     | 9/6/2011 10:31:19 | 15.61  | 51.60  | 33.95        | 7.72    | 7.78 | 5.4        | 2.86   | 95.5  |
| 1158     | 9/6/2011 10:46:19 | 15.64  | 51.58  | 33.93        | 7.74    | 7.78 | 5.4        | 2.81   | 95.7  |
| 1159     | 9/6/2011 11:01:19 | 15.70  | 51.57  | 33.93        | 7.82    | 7.78 | 5.4        | 2.75   | 96.9  |
| 1160     | 9/6/2011 11:16:19 | 15.81  | 51.57  | 33.93        | 7.93    | 7.79 | 5.0        | 2.69   | 98.4  |
| 1161     | 9/6/2011 11:31:19 | 15.87  | 51.51  | 33.89        | 7.91    | 7.79 | 5.1        | 2.65   | 98.2  |
| 1162     | 9/6/2011 11:46:19 | 15.97  | 51.56  | 33.93        | 7.83    | 7.79 | 4.9        | 2.60   | 97.5  |
| 1163     | 9/6/2011 12:01:19 | 16.05  | 51.55  | 33.92        | 7.89    | 7.80 | 4.8        | 2.56   | 98.3  |
| 1164     | 9/6/2011 12:16:19 | 16.15  | 51.59  | 33.95        | 8.01    | 7.81 | 5.1        | 2.51   | 100.0 |
| 1165     | 9/6/2011 12:31:19 | 16.23  | 51.62  | 33.97        | 8.14    | 7.81 | 4.8        | 2.49   | 101.8 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth  | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                   |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        | meters |       |
| 1166     | 9/6/2011 12:46:19 | 16.29  | 51.61  | 33.97        | 8.17    | 7.82 | 4.5        | 2.46   | 102.3 |
| 1167     | 9/6/2011 13:01:19 | 16.36  | 51.63  | 33.99        | 8.10    | 7.82 | 4.9        | 2.43   | 101.6 |
| 1168     | 9/6/2011 13:16:19 | 16.50  | 51.62  | 33.98        | 8.19    | 7.83 | 4.2        | 2.42   | 103.0 |
| 1169     | 9/6/2011 13:31:19 | 16.50  | 51.59  | 33.96        | 8.67    | 7.84 | 5.2        | 2.42   | 109.0 |
| 1170     | 9/6/2011 13:46:19 | 16.55  | 51.45  | 33.86        | 8.50    | 7.83 | 8.5        | 2.42   | 107.0 |
| 1171     | 9/6/2011 14:01:19 | 16.65  | 51.52  | 33.91        | 8.15    | 7.82 | 5.6        | 2.43   | 102.8 |
| 1172     | 9/6/2011 14:16:19 | 16.62  | 51.65  | 34.00        | 8.11    | 7.81 | 4.5        | 2.45   | 102.2 |
| 1173     | 9/6/2011 14:31:19 | 16.53  | 51.59  | 33.96        | 7.99    | 7.81 | 4.3        | 2.48   | 100.6 |
| 1174     | 9/6/2011 14:46:19 | 16.59  | 51.63  | 33.99        | 8.09    | 7.81 | 4.3        | 2.51   | 102.0 |
| 1175     | 9/6/2011 15:01:19 | 16.45  | 51.61  | 33.98        | 8.06    | 7.81 | 4.3        | 2.56   | 101.3 |
| 1176     | 9/6/2011 15:16:19 | 16.30  | 51.58  | 33.95        | 7.96    | 7.80 | 4.5        | 2.60   | 99.7  |
| 1177     | 9/6/2011 15:31:19 | 16.32  | 51.59  | 33.95        | 8.04    | 7.80 | 4.6        | 2.66   | 100.7 |
| 1178     | 9/6/2011 15:46:19 | 16.15  | 51.57  | 33.94        | 8.06    | 7.80 | 4.6        | 2.71   | 100.6 |
| 1179     | 9/6/2011 16:01:19 | 16.01  | 51.57  | 33.94        | 8.00    | 7.79 | 4.5        | 2.76   | 99.7  |
| 1180     | 9/6/2011 16:16:19 | 15.88  | 51.52  | 33.90        | 7.93    | 7.79 | 5.5        | 2.83   | 98.5  |
| 1181     | 9/6/2011 16:31:19 | 15.54  | 51.52  | 33.89        | 7.86    | 7.78 | 4.4        | 2.88   | 96.9  |
| 1182     | 9/6/2011 16:46:19 | 15.31  | 51.53  | 33.89        | 7.92    | 7.78 | 4.6        | 2.94   | 97.3  |
| 1183     | 9/6/2011 17:01:19 | 15.16  | 51.51  | 33.88        | 8.10    | 7.78 | 4.6        | 3.01   | 99.1  |
| 1184     | 9/6/2011 17:16:19 | 14.69  | 51.49  | 33.84        | 8.20    | 7.76 | 4.5        | 3.07   | 99.4  |
| 1185     | 9/6/2011 17:31:19 | 14.51  | 51.51  | 33.85        | 8.23    | 7.78 | 4.2        | 3.14   | 99.4  |
| 1186     | 9/6/2011 17:46:19 | 14.24  | 51.49  | 33.83        | 8.22    | 7.76 | 4.2        | 3.20   | 98.8  |
| 1187     | 9/6/2011 18:01:19 | 14.14  | 51.47  | 33.82        | 8.27    | 7.76 | 3.9        | 3.26   | 99.2  |
| 1188     | 9/6/2011 18:16:19 | 14.02  | 51.49  | 33.82        | 8.36    | 7.76 | 4.3        | 3.33   | 100.1 |
| 1189     | 9/6/2011 18:31:19 | 13.73  | 51.50  | 33.82        | 8.38    | 7.76 | 4.5        | 3.39   | 99.7  |
| 1190     | 9/6/2011 18:46:19 | 13.38  | 51.48  | 33.79        | 8.58    | 7.76 | 4.5        | 3.44   | 101.3 |
| 1191     | 9/6/2011 19:01:19 | 13.23  | 51.49  | 33.80        | 8.64    | 7.77 | 4.0        | 3.49   | 101.6 |
| 1192     | 9/6/2011 19:16:19 | 13.05  | 51.47  | 33.77        | 8.67    | 7.77 | 3.9        | 3.53   | 101.7 |
| 1193     | 9/6/2011 19:31:19 | 13.03  | 51.47  | 33.77        | 8.66    | 7.77 | 4.0        | 3.56   | 101.5 |
| 1194     | 9/6/2011 19:46:19 | 13.00  | 51.49  | 33.79        | 8.62    | 7.76 | 3.8        | 3.59   | 101.0 |
| 1195     | 9/6/2011 20:01:19 | 13.28  | 51.47  | 33.78        | 8.46    | 7.76 | 3.5        | 3.59   | 99.6  |
| 1196     | 9/6/2011 20:16:19 | 12.95  | 51.51  | 33.80        | 8.50    | 7.76 | 3.7        | 3.58   | 99.5  |
| 1197     | 9/6/2011 20:31:19 | 12.98  | 51.46  | 33.77        | 8.52    | 7.76 | 3.4        | 3.56   | 99.8  |
| 1198     | 9/6/2011 20:46:19 | 13.07  | 51.47  | 33.77        | 8.45    | 7.76 | 6.4        | 3.51   | 99.2  |
| 1199     | 9/6/2011 21:01:20 | 14.27  | 51.56  | 33.88        | 8.12    | 7.79 | 10.0       | 3.46   | 97.6  |
| 1200     | 9/6/2011 21:16:19 | 14.49  | 51.45  | 33.81        | 8.00    | 7.75 | 6.1        | 3.39   | 96.6  |
| 1201     | 9/6/2011 21:31:19 | 14.47  | 51.49  | 33.84        | 7.79    | 7.74 | 14.6       | 3.32   | 94.0  |
| 1202     | 9/6/2011 21:46:19 | 14.53  | 51.52  | 33.86        | 8.11    | 7.76 | 8.0        | 3.23   | 98.0  |
| 1203     | 9/6/2011 22:01:19 | 14.74  | 51.48  | 33.84        | 8.39    | 7.79 | 9.7        | 3.14   | 101.9 |
| 1204     | 9/6/2011 22:16:19 | 14.88  | 51.52  | 33.87        | 8.38    | 7.81 | 7.9        | 3.04   | 102.0 |
| 1205     | 9/6/2011 22:31:19 | 15.19  | 51.41  | 33.80        | 8.27    | 7.81 | 7.9        | 2.96   | 101.3 |
| 1206     | 9/6/2011 22:46:19 | 15.52  | 51.55  | 33.91        | 8.24    | 7.81 | 5.6        | 2.87   | 101.6 |
| 1207     | 9/6/2011 23:01:19 | 15.96  | 51.54  | 33.91        | 8.22    | 7.82 | 8.5        | 2.76   | 102.2 |
| 1208     | 9/6/2011 23:16:19 | 16.14  | 51.56  | 33.93        | 8.25    | 7.83 | 6.7        | 2.66   | 103.0 |
| 1209     | 9/6/2011 23:31:19 | 16.23  | 51.50  | 33.89        | 8.40    | 7.84 | 6.3        | 2.57   | 105.1 |
| 1210     | 9/6/2011 23:46:19 | 16.46  | 51.58  | 33.95        | 8.57    | 7.85 | 7.1        | 2.47   | 107.7 |
| 1211     | 9/7/2011 00:01:19 | 16.32  | 51.58  | 33.95        | 8.37    | 7.83 | 6.7        | 2.35   | 104.9 |
| 1212     | 9/7/2011 00:16:19 | 16.22  | 51.60  | 33.96        | 8.09    | 7.81 | 6.5        | 2.24   | 101.2 |
| 1213     | 9/7/2011 00:31:19 | 16.15  | 51.61  | 33.96        | 8.03    | 7.81 | 7.0        | 2.13   | 100.3 |
| 1214     | 9/7/2011 00:46:19 | 16.38  | 51.65  | 34.00        | 7.93    | 7.81 | 7.1        | 2.02   | 99.5  |
| 1215     | 9/7/2011 01:01:19 | 16.49  | 51.60  | 33.97        | 8.15    | 7.82 | 7.0        | 1.90   | 102.5 |
| 1216     | 9/7/2011 01:16:19 | 16.58  | 51.64  | 34.00        | 7.95    | 7.81 | 7.3        | 1.79   | 100.2 |
| 1217     | 9/7/2011 01:31:19 | 16.66  | 51.55  | 33.93        | 7.96    | 7.82 | 6.8        | 1.71   | 100.5 |
| 1218     | 9/7/2011 01:46:19 | 16.85  | 51.66  | 34.02        | 7.99    | 7.82 | 5.4        | 1.62   | 101.2 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1219     | 9/7/2011 02:01:19 | 17.02  | 51.68  | 34.03        | 8.07    | 7.84 | 5.1        | 1.54            | 102.6 |
| 1220     | 9/7/2011 02:16:19 | 17.40  | 51.70  | 34.05        | 8.32    | 7.86 | 4.8        | 1.49            | 106.6 |
| 1221     | 9/7/2011 02:31:19 | 17.68  | 51.73  | 34.07        | 8.67    | 7.90 | 4.8        | 1.47            | 111.6 |
| 1222     | 9/7/2011 02:46:19 | 17.76  | 51.74  | 34.09        | 8.80    | 7.91 | 10.4       | 1.46            | 113.4 |
| 1223     | 9/7/2011 03:01:19 | 17.72  | 51.73  | 34.08        | 8.75    | 7.91 | 4.9        | 1.46            | 112.8 |
| 1224     | 9/7/2011 03:16:19 | 17.77  | 51.71  | 34.06        | 8.91    | 7.91 | 3.8        | 1.49            | 114.9 |
| 1225     | 9/7/2011 03:31:19 | 17.69  | 51.72  | 34.07        | 8.88    | 7.91 | 3.5        | 1.54            | 114.3 |
| 1226     | 9/7/2011 03:46:19 | 17.77  | 51.66  | 34.03        | 9.11    | 7.93 | 4.4        | 1.58            | 117.5 |
| 1227     | 9/7/2011 04:01:19 | 17.71  | 51.54  | 33.93        | 9.06    | 7.92 | 4.1        | 1.64            | 116.6 |
| 1228     | 9/7/2011 04:16:19 | 17.65  | 51.71  | 34.06        | 8.96    | 7.91 | 4.3        | 1.71            | 115.3 |
| 1229     | 9/7/2011 04:31:19 | 17.82  | 51.52  | 33.92        | 8.63    | 7.89 | 6.5        | 1.77            | 111.3 |
| 1230     | 9/7/2011 04:46:19 | 17.84  | 51.42  | 33.84        | 8.52    | 7.88 | 7.3        | 1.83            | 109.9 |
| 1231     | 9/7/2011 05:01:19 | 17.70  | 51.56  | 33.95        | 8.51    | 7.88 | 6.7        | 1.90            | 109.6 |
| 1232     | 9/7/2011 05:16:19 | 17.54  | 51.62  | 33.99        | 8.53    | 7.88 | 6.2        | 1.98            | 109.5 |
| 1233     | 9/7/2011 05:31:19 | 17.45  | 51.59  | 33.97        | 8.47    | 7.87 | 5.9        | 2.05            | 108.6 |
| 1234     | 9/7/2011 05:46:19 | 17.32  | 51.62  | 33.99        | 8.44    | 7.87 | 6.0        | 2.12            | 107.9 |
| 1235     | 9/7/2011 06:01:19 | 17.18  | 51.58  | 33.96        | 8.40    | 7.86 | 6.2        | 2.20            | 107.0 |
| 1236     | 9/7/2011 06:16:19 | 16.91  | 51.63  | 33.99        | 8.25    | 7.84 | 6.2        | 2.28            | 104.6 |
| 1237     | 9/7/2011 06:31:19 | 16.64  | 51.48  | 33.88        | 8.07    | 7.83 | 6.3        | 2.35            | 101.8 |
| 1238     | 9/7/2011 06:46:19 | 16.45  | 51.55  | 33.93        | 7.97    | 7.81 | 5.9        | 2.44            | 100.1 |
| 1239     | 9/7/2011 07:01:19 | 16.29  | 51.46  | 33.86        | 7.93    | 7.80 | 6.0        | 2.52            | 99.3  |
| 1240     | 9/7/2011 07:16:19 | 16.12  | 51.48  | 33.87        | 7.92    | 7.80 | 6.0        | 2.59            | 98.9  |
| 1241     | 9/7/2011 07:31:19 | 16.03  | 51.33  | 33.76        | 7.93    | 7.80 | 6.2        | 2.67            | 98.8  |
| 1242     | 9/7/2011 07:46:19 | 15.86  | 51.43  | 33.83        | 7.93    | 7.80 | 6.1        | 2.73            | 98.5  |
| 1243     | 9/7/2011 08:01:19 | 15.67  | 51.39  | 33.80        | 7.91    | 7.79 | 6.1        | 2.80            | 97.8  |
| 1244     | 9/7/2011 08:16:19 | 15.47  | 51.38  | 33.78        | 7.87    | 7.78 | 5.9        | 2.87            | 96.9  |
| 1245     | 9/7/2011 08:31:19 | 15.25  | 51.40  | 33.79        | 7.82    | 7.78 | 6.2        | 2.93            | 95.9  |
| 1246     | 9/7/2011 08:46:19 | 14.96  | 51.42  | 33.80        | 7.82    | 7.77 | 5.6        | 2.98            | 95.3  |
| 1247     | 9/7/2011 09:01:19 | 14.78  | 51.38  | 33.77        | 7.85    | 7.75 | 5.2        | 3.03            | 95.3  |
| 1248     | 9/7/2011 09:16:19 | 14.61  | 51.37  | 33.75        | 7.87    | 7.75 | 4.9        | 3.08            | 95.2  |
| 1249     | 9/7/2011 09:31:19 | 14.39  | 51.36  | 33.74        | 7.91    | 7.75 | 4.6        | 3.11            | 95.3  |
| 1250     | 9/7/2011 09:46:19 | 14.11  | 51.34  | 33.72        | 7.90    | 7.75 | 3.8        | 3.14            | 94.7  |
| 1251     | 9/7/2011 10:01:19 | 14.10  | 51.35  | 33.72        | 7.83    | 7.74 | 3.7        | 3.16            | 93.8  |
| 1252     | 9/7/2011 10:16:19 | 14.20  | 51.43  | 33.79        | 7.74    | 7.74 | 4.3        | 3.16            | 92.9  |
| 1253     | 9/7/2011 10:31:19 | 14.15  | 51.37  | 33.74        | 7.82    | 7.74 | 4.2        | 3.15            | 93.7  |
| 1254     | 9/7/2011 10:46:19 | 14.20  | 51.34  | 33.72        | 7.82    | 7.74 | 4.3        | 3.11            | 93.8  |
| 1255     | 9/7/2011 11:01:19 | 14.54  | 51.32  | 33.72        | 7.77    | 7.74 | 4.5        | 3.08            | 93.9  |
| 1256     | 9/7/2011 11:16:19 | 14.96  | 51.35  | 33.75        | 7.88    | 7.78 | 5.0        | 3.02            | 96.0  |
| 1257     | 9/7/2011 11:31:19 | 15.25  | 51.32  | 33.74        | 7.94    | 7.79 | 5.2        | 2.95            | 97.3  |
| 1258     | 9/7/2011 11:46:19 | 15.33  | 51.32  | 33.74        | 8.07    | 7.80 | 4.9        | 2.89            | 99.1  |
| 1259     | 9/7/2011 12:01:19 | 15.54  | 51.34  | 33.76        | 8.29    | 7.81 | 5.2        | 2.82            | 102.2 |
| 1260     | 9/7/2011 12:16:19 | 15.77  | 51.33  | 33.75        | 8.26    | 7.81 | 4.8        | 2.76            | 102.3 |
| 1261     | 9/7/2011 12:31:19 | 15.95  | 51.22  | 33.68        | 8.24    | 7.82 | 5.2        | 2.69            | 102.3 |
| 1262     | 9/7/2011 12:46:19 | 16.19  | 51.33  | 33.76        | 8.43    | 7.83 | 4.9        | 2.63            | 105.2 |
| 1263     | 9/7/2011 13:01:19 | 16.37  | 51.28  | 33.73        | 8.43    | 7.84 | 4.6        | 2.59            | 105.6 |
| 1264     | 9/7/2011 13:16:19 | 16.55  | 51.32  | 33.76        | 8.54    | 7.84 | 4.8        | 2.53            | 107.4 |
| 1265     | 9/7/2011 13:31:19 | 16.75  | 51.40  | 33.82        | 8.75    | 7.86 | 4.6        | 2.48            | 110.5 |
| 1266     | 9/7/2011 13:46:19 | 16.90  | 51.36  | 33.80        | 8.83    | 7.86 | 4.6        | 2.43            | 111.8 |
| 1267     | 9/7/2011 14:01:19 | 16.95  | 51.47  | 33.88        | 8.81    | 7.86 | 4.2        | 2.40            | 111.7 |
| 1268     | 9/7/2011 14:16:19 | 17.02  | 51.40  | 33.83        | 9.22    | 7.89 | 4.3        | 2.38            | 117.1 |
| 1269     | 9/7/2011 14:31:19 | 17.23  | 51.46  | 33.87        | 9.43    | 7.91 | 4.3        | 2.35            | 120.2 |
| 1270     | 9/7/2011 14:46:19 | 17.37  | 51.35  | 33.79        | 9.14    | 7.90 | 4.0        | 2.33            | 116.8 |
| 1271     | 9/7/2011 15:01:19 | 17.23  | 51.35  | 33.79        | 9.56    | 7.90 | 5.3        | 2.35            | 121.8 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1272     | 9/7/2011 15:16:19 | 17.33  | 51.40           | 33.83        | 9.30            | 7.90 | 4.4               | 2.36            | 118.7 |
| 1273     | 9/7/2011 15:31:19 | 17.32  | 51.42           | 33.84        | 9.08            | 7.88 | 5.0               | 2.36            | 116.0 |
| 1274     | 9/7/2011 15:46:19 | 17.18  | 51.42           | 33.84        | 8.89            | 7.87 | 4.1               | 2.40            | 113.2 |
| 1275     | 9/7/2011 16:01:19 | 17.24  | 51.45           | 33.86        | 8.71            | 7.86 | 4.0               | 2.45            | 111.0 |
| 1276     | 9/7/2011 16:16:19 | 17.14  | 51.41           | 33.83        | 8.70            | 7.86 | 4.5               | 2.50            | 110.7 |
| 1277     | 9/7/2011 16:31:19 | 16.96  | 51.43           | 33.85        | 8.55            | 7.85 | 4.6               | 2.55            | 108.4 |
| 1278     | 9/7/2011 16:46:19 | 16.84  | 51.43           | 33.85        | 8.59            | 7.85 | 4.8               | 2.61            | 108.7 |
| 1279     | 9/7/2011 17:01:19 | 16.59  | 51.36           | 33.79        | 8.56            | 7.84 | 4.5               | 2.68            | 107.7 |
| 1280     | 9/7/2011 17:16:19 | 16.43  | 51.43           | 33.84        | 8.43            | 7.83 | 4.6               | 2.74            | 105.8 |
| 1281     | 9/7/2011 17:31:19 | 16.25  | 51.38           | 33.80        | 8.38            | 7.82 | 4.9               | 2.79            | 104.8 |
| 1282     | 9/7/2011 17:46:19 | 16.02  | 51.40           | 33.81        | 8.24            | 7.81 | 4.8               | 2.86            | 102.6 |
| 1283     | 9/7/2011 18:01:19 | 15.70  | 51.32           | 33.74        | 8.15            | 7.80 | 4.6               | 2.94            | 100.8 |
| 1284     | 9/7/2011 18:16:19 | 15.33  | 51.28           | 33.71        | 8.15            | 7.79 | 4.6               | 3.00            | 100.0 |
| 1285     | 9/7/2011 18:31:19 | 15.14  | 51.32           | 33.74        | 8.15            | 7.79 | 4.8               | 3.07            | 99.7  |
| 1286     | 9/7/2011 18:46:19 | 14.97  | 51.34           | 33.74        | 8.18            | 7.77 | 4.5               | 3.13            | 99.7  |
| 1287     | 9/7/2011 19:01:19 | 14.69  | 51.28           | 33.69        | 8.23            | 7.77 | 4.5               | 3.20            | 99.7  |
| 1288     | 9/7/2011 19:16:19 | 14.22  | 51.29           | 33.69        | 8.28            | 7.77 | 4.9               | 3.27            | 99.4  |
| 1289     | 9/7/2011 19:31:19 | 13.90  | 51.35           | 33.72        | 8.35            | 7.77 | 4.8               | 3.33            | 99.7  |
| 1290     | 9/7/2011 19:46:19 | 13.57  | 51.34           | 33.70        | 8.44            | 7.77 | 4.7               | 3.39            | 100.0 |
| 1291     | 9/7/2011 20:01:19 | 13.26  | 51.36           | 33.70        | 8.50            | 7.77 | 4.6               | 3.46            | 100.1 |
| 1292     | 9/7/2011 20:16:19 | 13.04  | 51.29           | 33.64        | 8.54            | 7.77 | 4.9               | 3.50            | 100.1 |
| 1293     | 9/7/2011 20:31:19 | 12.99  | 51.35           | 33.68        | 8.51            | 7.77 | 17.0              | 3.55            | 99.6  |
| 1294     | 9/7/2011 20:46:19 | 12.89  | 51.27           | 33.62        | 8.53            | 7.76 | 4.9               | 3.57            | 99.6  |
| 1295     | 9/7/2011 21:01:19 | 12.88  | 51.32           | 33.66        | 8.42            | 7.76 | 3.9               | 3.61            | 98.3  |
| 1296     | 9/7/2011 21:16:19 | 13.15  | 51.35           | 33.69        | 8.36            | 7.75 | 4.5               | 3.61            | 98.2  |
| 1297     | 9/7/2011 21:31:19 | 12.90  | 51.32           | 33.66        | 8.32            | 7.75 | 8.1               | 3.58            | 97.2  |
| 1298     | 9/7/2011 21:46:19 | 12.99  | 51.31           | 33.66        | 8.35            | 7.75 | 6.0               | 3.55            | 97.7  |
| 1299     | 9/7/2011 22:01:19 | 13.03  | 51.31           | 33.66        | 8.33            | 7.75 | 4.0               | 3.50            | 97.5  |
| 1300     | 9/7/2011 22:16:19 | 14.56  | 51.34           | 33.73        | 7.90            | 7.75 | 5.1               | 3.44            | 95.6  |
| 1301     | 9/7/2011 22:31:19 | 14.55  | 51.37           | 33.75        | 7.76            | 7.76 | 5.3               | 3.36            | 93.9  |
| 1302     | 9/7/2011 22:46:19 | 14.56  | 51.34           | 33.73        | 7.77            | 7.74 | 5.3               | 3.26            | 93.9  |
| 1303     | 9/7/2011 23:01:20 | 14.61  | 51.38           | 33.76        | 8.07            | 7.79 | 5.3               | 3.19            | 97.7  |
| 1304     | 9/7/2011 23:16:19 | 14.84  | 51.24           | 33.67        | 8.32            | 7.79 | 5.4               | 3.09            | 101.1 |
| 1305     | 9/7/2011 23:31:19 | 15.14  | 51.40           | 33.79        | 8.27            | 7.81 | 7.8               | 2.99            | 101.2 |
| 1306     | 9/7/2011 23:46:19 | 15.61  | 51.31           | 33.73        | 8.29            | 7.82 | 9.8               | 2.89            | 102.4 |
| 1307     | 9/8/2011 00:01:19 | 16.03  | 51.35           | 33.77        | 8.30            | 7.83 | 14.6              | 2.79            | 103.3 |
| 1308     | 9/8/2011 00:16:19 | 16.30  | 51.41           | 33.83        | 8.40            | 7.84 | 8.5               | 2.69            | 105.1 |
| 1309     | 9/8/2011 00:31:19 | 16.49  | 51.42           | 33.84        | 8.57            | 7.86 | 12.0              | 2.59            | 107.7 |
| 1310     | 9/8/2011 00:46:19 | 16.66  | 51.33           | 33.77        | 8.65            | 7.87 | 12.2              | 2.47            | 109.0 |
| 1311     | 9/8/2011 01:01:19 | 16.54  | 51.31           | 33.75        | 8.35            | 7.85 | 9.5               | 2.36            | 104.9 |
| 1312     | 9/8/2011 01:16:19 | 16.19  | 51.36           | 33.78        | 8.10            | 7.82 | 21.1              | 2.26            | 101.1 |
| 1313     | 9/8/2011 01:31:19 | 16.49  | 51.41           | 33.82        | 8.13            | 7.83 | 18.4              | 2.14            | 102.2 |
| 1314     | 9/8/2011 01:46:19 | 16.37  | 51.47           | 33.87        | 8.00            | 7.82 | 10.6              | 2.00            | 100.2 |
| 1315     | 9/8/2011 02:01:19 | 16.70  | 51.33           | 33.77        | 8.08            | 7.83 | 8.4               | 1.89            | 102.0 |
| 1316     | 9/8/2011 02:16:19 | 16.86  | 51.38           | 33.81        | 8.18            | 7.84 | 7.6               | 1.80            | 103.6 |
| 1317     | 9/8/2011 02:31:19 | 16.99  | 51.37           | 33.80        | 8.15            | 7.84 | 8.1               | 1.68            | 103.4 |
| 1318     | 9/8/2011 02:46:19 | 17.19  | 51.17           | 33.66        | 8.30            | 7.85 | 6.2               | 1.60            | 105.6 |
| 1319     | 9/8/2011 03:01:19 | 17.39  | 51.50           | 33.91        | 8.32            | 7.86 | 7.3               | 1.52            | 106.4 |
| 1320     | 9/8/2011 03:16:19 | 17.61  | 51.47           | 33.89        | 8.45            | 7.88 | 5.2               | 1.47            | 108.5 |
| 1321     | 9/8/2011 03:31:19 | 17.89  | 51.47           | 33.88        | 8.61            | 7.90 | 11.0              | 1.45            | 111.2 |
| 1322     | 9/8/2011 03:46:19 | 18.06  | 51.60           | 33.98        | 8.83            | 7.93 | 6.9               | 1.43            | 114.4 |
| 1323     | 9/8/2011 04:01:19 | 17.70  | 51.50           | 33.91        | 8.52            | 7.89 | 7.6               | 1.45            | 109.7 |
| 1324     | 9/8/2011 04:16:19 | 17.96  | 51.44           | 33.86        | 8.86            | 7.92 | 4.2               | 1.48            | 114.6 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%    |
|----------|-------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|--------|
| 1325     | 9/8/2011 04:31:19 | 17.89  | 51.42           | 33.85        | 8.87            | 7.92 | 4.0               | 1.53            | 114.4  |
| 1326     | 9/8/2011 04:46:19 | 17.98  | 51.40           | 33.83        | 9.16            | 7.94 | 4.3               | 1.59            | 118.4  |
| 1327     | 9/8/2011 05:01:19 | 17.94  | 51.21           | 33.70        | 9.13            | 7.94 | 4.5               | 1.65            | 117.8  |
| 1328     | 9/8/2011 05:16:19 | 17.90  | 51.57           | 33.96        | 9.05            | 7.93 | 5.0               | 1.74            | 116.9  |
| 1329     | 9/8/2011 05:31:19 | 18.05  | 51.42           | 33.85        | 8.68            | 7.91 | 7.3               | 1.80            | 112.4  |
| 1330     | 9/8/2011 05:46:19 | 18.01  | 51.45           | 33.87        | 8.62            | 7.91 | 7.8               | 1.86            | 111.6  |
| 1331     | 9/8/2011 06:01:19 | 17.88  | 51.46           | 33.88        | 8.73            | 7.91 | 7.0               | 1.93            | 112.7  |
| 1332     | 9/8/2011 06:16:19 | 17.67  | 51.47           | 33.88        | 8.65            | 7.90 | 6.2               | 2.02            | 111.3  |
| 1333     | 9/8/2011 06:31:19 | 17.56  | 51.46           | 33.88        | 8.61            | 7.89 | 6.3               | 2.09            | 110.5  |
| 1334     | 9/8/2011 06:46:19 | 17.42  | 51.38           | 33.82        | 8.56            | 7.88 | 6.3               | 2.17            | 109.5  |
| 1335     | 9/8/2011 07:01:19 | 17.24  | 51.34           | 33.78        | 8.45            | 7.87 | 6.2               | 2.26            | 107.7  |
| 1336     | 9/8/2011 07:16:19 | 16.94  | 51.42           | 33.84        | 8.27            | 7.85 | 6.8               | 2.35            | 104.8  |
| 1337     | 9/8/2011 07:31:19 | 16.71  | 51.32           | 33.76        | 8.11            | 7.83 | 6.6               | 2.43            | 102.3  |
| 1338     | 9/8/2011 07:46:19 | 16.57  | 51.35           | 33.78        | 8.04            | 7.82 | 6.9               | 2.52            | 101.1  |
| 1339     | 9/8/2011 08:01:19 | 16.39  | 51.37           | 33.79        | 8.03            | 7.82 | 6.5               | 2.60            | 100.7  |
| 1340     | 9/8/2011 08:16:19 | 16.32  | 51.36           | 33.79        | 8.04            | 7.82 | 6.7               | 2.69            | 100.7  |
| 1341     | 9/8/2011 08:31:19 | 16.16  | 51.33           | 33.76        | 8.03            | 7.81 | 6.4               | 2.76            | 100.2  |
| 1342     | 9/8/2011 08:46:19 | 15.90  | 51.33           | 33.76        | 7.98            | 7.81 | 6.5               | 2.85            | 99.1   |
| 1343     | 9/8/2011 09:01:19 | 15.66  | 51.31           | 33.74        | 7.89            | 7.80 | 7.0               | 2.91            | 97.5   |
| 1344     | 9/8/2011 09:16:19 | 15.40  | 51.33           | 33.75        | 7.81            | 7.78 | 7.4               | 2.98            | 96.1   |
| 1345     | 9/8/2011 09:31:19 | 15.05  | 51.35           | 33.75        | 7.86            | 7.76 | 6.7               | 3.04            | 96.0   |
| 1346     | 9/8/2011 09:46:19 | 14.81  | 51.33           | 33.73        | 7.89            | 7.76 | 6.5               | 3.10            | 95.9   |
| 1347     | 9/8/2011 10:01:19 | 14.50  | 51.28           | 33.68        | 7.92            | 7.80 | 5.6               | 3.15            | 95.6   |
| 1348     | 9/8/2011 10:16:19 | 14.23  | 51.33           | 33.71        | 7.98            | 7.77 | 5.8               | 3.19            | 95.8   |
|          | Mean              | 16.09  | 51.51           | 33.88        | 7.73            | 7.81 | 8.46              | 2.61            | 96.36  |
|          | Minimum           | 11.72  | 51.06           | 33.47        | 6.27            | 7.64 | 2.70              | 1.17            | 77.10  |
|          | Maximum           | 19.83  | 51.87           | 34.18        | 9.86            | 8.00 | 102.40            | 3.89            | 124.40 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 0        | 9/8/2011 11:01:19 | 13.91  | 46.15  | 29.94        | 7.59    | 7.78 | 3.7        | 3.27            | 88.5  |
| 1        | 9/8/2011 11:16:19 | 13.82  | 46.13  | 29.92        | 7.57    | 7.79 | 3.7        | 3.27            | 88.1  |
| 2        | 9/8/2011 11:31:19 | 13.84  | 46.12  | 29.91        | 7.58    | 7.79 | 3.7        | 3.24            | 88.2  |
| 3        | 9/8/2011 11:46:18 | 14.09  | 46.10  | 29.91        | 7.54    | 7.80 | 4.5        | 3.18            | 88.2  |
| 4        | 9/8/2011 12:01:19 | 14.80  | 46.12  | 29.94        | 7.61    | 7.83 | 5.1        | 3.13            | 90.3  |
| 5        | 9/8/2011 12:16:18 | 15.00  | 46.08  | 29.92        | 7.72    | 7.84 | 5.4        | 3.06            | 91.9  |
| 6        | 9/8/2011 12:31:18 | 15.17  | 46.13  | 29.95        | 7.81    | 7.85 | 5.4        | 2.98            | 93.4  |
| 7        | 9/8/2011 12:46:18 | 15.43  | 46.09  | 29.93        | 7.89    | 7.86 | 5.1        | 2.90            | 94.8  |
| 8        | 9/8/2011 13:01:18 | 15.69  | 46.14  | 29.97        | 8.08    | 7.88 | 5.1        | 2.82            | 97.7  |
| 9        | 9/8/2011 13:16:18 | 15.86  | 46.11  | 29.96        | 8.16    | 7.89 | 5.3        | 2.76            | 98.9  |
| 10       | 9/8/2011 13:31:18 | 16.03  | 46.10  | 29.95        | 8.27    | 7.91 | 5.2        | 2.68            | 100.7 |
| 11       | 9/8/2011 13:46:18 | 16.24  | 46.15  | 29.99        | 8.88    | 7.94 | 4.9        | 2.60            | 108.5 |
| 12       | 9/8/2011 14:01:18 | 16.46  | 46.18  | 30.01        | 9.16    | 7.96 | 4.8        | 2.55            | 112.4 |
| 13       | 9/8/2011 14:16:18 | 16.60  | 46.11  | 29.97        | 9.44    | 7.98 | 4.5        | 2.47            | 116.1 |
| 14       | 9/8/2011 14:31:18 | 16.57  | 46.16  | 30.00        | 9.80    | 7.99 | 4.3        | 2.42            | 120.5 |
| 15       | 9/8/2011 14:46:18 | 16.78  | 46.22  | 30.04        | 9.73    | 8.00 | 4.0        | 2.36            | 120.2 |
| 16       | 9/8/2011 15:01:18 | 16.84  | 46.20  | 30.03        | 9.77    | 8.00 | 3.9        | 2.31            | 120.8 |
| 17       | 9/8/2011 15:16:18 | 17.08  | 46.10  | 29.96        | 9.67    | 8.00 | 3.8        | 2.28            | 120.1 |
| 18       | 9/8/2011 15:31:18 | 17.07  | 46.12  | 29.98        | 9.97    | 8.02 | 3.7        | 2.23            | 123.8 |
| 19       | 9/8/2011 15:46:18 | 17.37  | 46.15  | 30.00        | 9.59    | 8.01 | 3.4        | 2.20            | 119.8 |
| 20       | 9/8/2011 16:01:18 | 17.48  | 46.22  | 30.05        | 9.47    | 8.00 | 3.0        | 2.21            | 118.5 |
| 21       | 9/8/2011 16:16:18 | 17.57  | 46.23  | 30.06        | 9.37    | 8.00 | 3.3        | 2.23            | 117.5 |
| 22       | 9/8/2011 16:31:18 | 17.55  | 46.31  | 30.11        | 9.30    | 7.99 | 3.9        | 2.25            | 116.6 |
| 23       | 9/8/2011 16:46:18 | 17.47  | 46.23  | 30.06        | 8.91    | 7.97 | 3.3        | 2.28            | 111.6 |
| 24       | 9/8/2011 17:01:19 | 17.47  | 46.27  | 30.08        | 8.75    | 7.96 | 3.8        | 2.34            | 109.5 |
| 25       | 9/8/2011 17:16:18 | 17.32  | 46.25  | 30.07        | 8.59    | 7.95 | 4.2        | 2.40            | 107.3 |
| 26       | 9/8/2011 17:31:18 | 17.26  | 46.23  | 30.05        | 8.45    | 7.93 | 5.5        | 2.46            | 105.4 |
| 27       | 9/8/2011 17:46:18 | 17.18  | 46.21  | 30.04        | 8.39    | 7.92 | 5.6        | 2.52            | 104.4 |
| 28       | 9/8/2011 18:01:18 | 16.90  | 46.17  | 30.01        | 8.33    | 7.91 | 4.3        | 2.59            | 103.1 |
| 29       | 9/8/2011 18:16:18 | 16.70  | 46.17  | 30.00        | 8.25    | 7.90 | 4.3        | 2.66            | 101.7 |
| 30       | 9/8/2011 18:31:18 | 16.43  | 46.12  | 29.96        | 8.07    | 7.88 | 4.5        | 2.73            | 99.0  |
| 31       | 9/8/2011 18:46:18 | 16.13  | 46.15  | 29.98        | 7.91    | 7.87 | 4.8        | 2.80            | 96.4  |
| 32       | 9/8/2011 19:01:18 | 15.72  | 46.18  | 30.00        | 7.73    | 7.85 | 4.5        | 2.86            | 93.5  |
| 33       | 9/8/2011 19:16:18 | 15.58  | 46.14  | 29.97        | 7.69    | 7.85 | 4.5        | 2.94            | 92.7  |
| 34       | 9/8/2011 19:31:19 | 15.39  | 46.17  | 29.99        | 7.69    | 7.84 | 4.8        | 3.01            | 92.4  |
| 35       | 9/8/2011 19:46:18 | 15.14  | 46.17  | 29.98        | 7.71    | 7.84 | 4.9        | 3.08            | 92.2  |
| 36       | 9/8/2011 20:01:19 | 14.77  | 46.16  | 29.97        | 7.74    | 7.84 | 5.1        | 3.15            | 91.8  |
| 37       | 9/8/2011 20:16:19 | 14.42  | 46.11  | 29.92        | 7.80    | 7.83 | 5.2        | 3.23            | 91.8  |
| 38       | 9/8/2011 20:31:18 | 14.07  | 46.11  | 29.92        | 7.90    | 7.83 | 4.9        | 3.30            | 92.3  |
| 39       | 9/8/2011 20:46:19 | 13.73  | 46.13  | 29.92        | 8.11    | 7.85 | 5.3        | 3.37            | 94.2  |
| 40       | 9/8/2011 21:01:19 | 13.31  | 46.13  | 29.91        | 8.37    | 7.85 | 5.3        | 3.44            | 96.4  |
| 41       | 9/8/2011 21:16:18 | 13.09  | 46.14  | 29.91        | 8.50    | 7.86 | 4.8        | 3.50            | 97.3  |
| 42       | 9/8/2011 21:31:19 | 12.98  | 46.15  | 29.91        | 8.59    | 7.87 | 4.3        | 3.55            | 98.2  |
| 43       | 9/8/2011 21:46:19 | 12.86  | 46.18  | 29.93        | 8.76    | 7.88 | 4.1        | 3.59            | 99.8  |
| 44       | 9/8/2011 22:01:19 | 12.82  | 46.13  | 29.89        | 8.76    | 7.88 | 4.2        | 3.61            | 99.8  |
| 45       | 9/8/2011 22:16:18 | 13.10  | 46.06  | 29.85        | 8.51    | 7.87 | 3.1        | 3.62            | 97.5  |
| 46       | 9/8/2011 22:31:18 | 12.88  | 46.14  | 29.90        | 8.61    | 7.87 | 3.7        | 3.61            | 98.2  |
| 47       | 9/8/2011 22:46:18 | 12.83  | 46.11  | 29.88        | 8.68    | 7.87 | 3.4        | 3.59            | 98.9  |
| 48       | 9/8/2011 23:01:18 | 12.88  | 46.12  | 29.89        | 8.62    | 7.87 | 4.3        | 3.53            | 98.4  |
| 49       | 9/8/2011 23:16:18 | 13.69  | 46.20  | 29.97        | 8.19    | 7.87 | 5.8        | 3.45            | 95.1  |
| 50       | 9/8/2011 23:31:19 | 14.22  | 46.14  | 29.94        | 7.70    | 7.83 | 5.8        | 3.37            | 90.4  |
| 51       | 9/8/2011 23:46:18 | 14.22  | 46.15  | 29.95        | 7.56    | 7.82 | 5.2        | 3.28            | 88.6  |
| 52       | 9/9/2011 00:01:18 | 14.26  | 46.21  | 29.99        | 7.55    | 7.82 | 4.9        | 3.18            | 88.6  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|-------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                   |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 53       | 9/9/2011 00:16:19 | 14.48  | 46.19  | 29.98        | 7.51    | 7.83 | 5.0        | 3.07            | 88.6  |
| 54       | 9/9/2011 00:31:18 | 15.14  | 46.21  | 30.01        | 7.85    | 7.88 | 6.4        | 2.97            | 93.8  |
| 55       | 9/9/2011 00:46:18 | 15.36  | 46.23  | 30.03        | 7.75    | 7.87 | 6.3        | 2.86            | 93.1  |
| 56       | 9/9/2011 01:01:18 | 15.74  | 46.20  | 30.02        | 7.67    | 7.88 | 6.9        | 2.76            | 92.8  |
| 57       | 9/9/2011 01:16:18 | 15.75  | 46.24  | 30.05        | 7.74    | 7.87 | 6.4        | 2.65            | 93.7  |
| 58       | 9/9/2011 01:31:18 | 15.74  | 46.21  | 30.02        | 7.62    | 7.87 | 6.0        | 2.54            | 92.1  |
| 59       | 9/9/2011 01:46:18 | 16.26  | 46.24  | 30.05        | 7.93    | 7.91 | 6.2        | 2.43            | 97.0  |
| 60       | 9/9/2011 02:01:19 | 15.67  | 46.25  | 30.05        | 7.45    | 7.85 | 8.2        | 2.30            | 90.1  |
| 61       | 9/9/2011 02:16:18 | 15.90  | 46.14  | 29.98        | 7.51    | 7.86 | 8.7        | 2.18            | 91.1  |
| 62       | 9/9/2011 02:31:18 | 16.01  | 46.21  | 30.03        | 7.42    | 7.86 | 7.9        | 2.05            | 90.2  |
| 63       | 9/9/2011 02:46:18 | 16.23  | 46.24  | 30.05        | 7.47    | 7.88 | 6.5        | 1.93            | 91.3  |
| 64       | 9/9/2011 03:01:18 | 16.30  | 46.23  | 30.05        | 7.43    | 7.87 | 6.2        | 1.82            | 90.9  |
| 65       | 9/9/2011 03:16:18 | 16.57  | 46.32  | 30.11        | 7.54    | 7.89 | 5.8        | 1.71            | 92.7  |
| 66       | 9/9/2011 03:31:18 | 16.59  | 46.25  | 30.06        | 7.49    | 7.88 | 5.5        | 1.61            | 92.2  |
| 67       | 9/9/2011 03:46:18 | 16.96  | 46.28  | 30.09        | 7.66    | 7.91 | 5.4        | 1.54            | 95.0  |
| 68       | 9/9/2011 04:01:18 | 16.97  | 46.27  | 30.08        | 7.60    | 7.91 | 4.9        | 1.47            | 94.2  |
| 69       | 9/9/2011 04:16:18 | 17.09  | 46.28  | 30.09        | 7.63    | 7.92 | 4.8        | 1.42            | 94.8  |
| 70       | 9/9/2011 04:31:18 | 17.31  | 46.29  | 30.10        | 7.85    | 7.94 | 4.6        | 1.41            | 98.0  |
| 71       | 9/9/2011 04:46:18 | 17.04  | 46.29  | 30.10        | 7.64    | 7.91 | 4.7        | 1.42            | 94.8  |
| 72       | 9/9/2011 05:01:18 | 17.42  | 46.37  | 30.15        | 7.99    | 7.95 | 3.5        | 1.44            | 99.9  |
| 73       | 9/9/2011 05:16:18 | 17.40  | 46.30  | 30.11        | 8.04    | 7.95 | 3.5        | 1.50            | 100.5 |
| 74       | 9/9/2011 05:31:18 | 17.52  | 46.30  | 30.10        | 8.17    | 7.97 | 3.7        | 1.56            | 102.5 |
| 75       | 9/9/2011 05:46:18 | 17.53  | 46.32  | 30.12        | 8.21    | 7.97 | 3.8        | 1.61            | 102.9 |
| 76       | 9/9/2011 06:01:18 | 17.44  | 46.32  | 30.12        | 8.12    | 7.96 | 4.1        | 1.70            | 101.6 |
| 77       | 9/9/2011 06:16:18 | 17.52  | 46.15  | 30.00        | 7.81    | 7.94 | 6.8        | 1.79            | 97.8  |
| 78       | 9/9/2011 06:31:18 | 17.55  | 46.11  | 29.97        | 7.67    | 7.93 | 7.5        | 1.86            | 96.1  |
| 79       | 9/9/2011 06:46:18 | 17.32  | 46.19  | 30.02        | 7.77    | 7.92 | 6.6        | 1.93            | 97.0  |
| 80       | 9/9/2011 07:01:18 | 17.11  | 46.20  | 30.03        | 7.74    | 7.91 | 5.8        | 2.03            | 96.2  |
| 81       | 9/9/2011 07:16:18 | 17.00  | 46.21  | 30.03        | 7.70    | 7.90 | 5.7        | 2.12            | 95.5  |
| 82       | 9/9/2011 07:31:18 | 16.87  | 46.23  | 30.05        | 7.66    | 7.90 | 5.9        | 2.18            | 94.7  |
| 83       | 9/9/2011 07:46:18 | 16.66  | 46.21  | 30.03        | 7.58    | 7.88 | 5.9        | 2.28            | 93.4  |
| 84       | 9/9/2011 08:01:18 | 16.45  | 46.19  | 30.02        | 7.52    | 7.87 | 6.3        | 2.39            | 92.2  |
| 85       | 9/9/2011 08:16:18 | 16.33  | 46.22  | 30.04        | 7.47    | 7.86 | 6.7        | 2.47            | 91.5  |
| 86       | 9/9/2011 08:31:18 | 16.22  | 46.18  | 30.01        | 7.46    | 7.86 | 6.7        | 2.55            | 91.1  |
| 87       | 9/9/2011 08:46:18 | 16.05  | 46.17  | 30.00        | 7.45    | 7.85 | 7.0        | 2.64            | 90.7  |
| 88       | 9/9/2011 09:01:18 | 15.82  | 46.17  | 30.00        | 7.43    | 7.84 | 6.9        | 2.73            | 90.1  |
| 89       | 9/9/2011 09:16:18 | 15.64  | 46.13  | 29.97        | 7.40    | 7.83 | 7.4        | 2.81            | 89.3  |
| 90       | 9/9/2011 09:31:18 | 15.45  | 46.14  | 29.97        | 7.34    | 7.82 | 7.4        | 2.88            | 88.2  |
| 91       | 9/9/2011 09:46:18 | 15.02  | 46.08  | 29.92        | 7.44    | 7.82 | 7.9        | 2.96            | 88.7  |
| 92       | 9/9/2011 10:01:18 | 14.69  | 46.11  | 29.93        | 7.55    | 7.82 | 7.4        | 3.03            | 89.4  |
| 93       | 9/9/2011 10:16:18 | 14.44  | 46.11  | 29.92        | 7.61    | 7.82 | 6.7        | 3.09            | 89.7  |
| 94       | 9/9/2011 10:31:19 | 13.87  | 46.09  | 29.90        | 7.88    | 7.82 | 6.3        | 3.15            | 91.7  |
| 95       | 9/9/2011 10:46:19 | 13.60  | 46.13  | 29.92        | 8.01    | 7.83 | 5.9        | 3.21            | 92.8  |
| 96       | 9/9/2011 11:01:19 | 13.33  | 46.13  | 29.91        | 8.13    | 7.84 | 5.3        | 3.26            | 93.6  |
| 97       | 9/9/2011 11:16:18 | 13.21  | 46.11  | 29.89        | 8.16    | 7.84 | 4.3        | 3.29            | 93.7  |
| 98       | 9/9/2011 11:31:18 | 13.12  | 46.12  | 29.89        | 8.15    | 7.84 | 4.0        | 3.31            | 93.4  |
| 99       | 9/9/2011 11:46:18 | 13.17  | 46.10  | 29.88        | 8.08    | 7.84 | 4.3        | 3.30            | 92.8  |
| 100      | 9/9/2011 12:01:18 | 13.26  | 46.13  | 29.91        | 8.10    | 7.84 | 4.3        | 3.28            | 93.1  |
| 101      | 9/9/2011 12:16:18 | 13.31  | 46.15  | 29.92        | 8.07    | 7.84 | 4.2        | 3.24            | 92.9  |
| 102      | 9/9/2011 12:31:19 | 13.58  | 46.13  | 29.92        | 8.04    | 7.84 | 6.0        | 3.17            | 93.1  |
| 103      | 9/9/2011 12:46:19 | 14.23  | 46.15  | 29.95        | 8.09    | 7.86 | 6.7        | 3.10            | 95.0  |
| 104      | 9/9/2011 13:01:19 | 14.74  | 46.13  | 29.95        | 8.17    | 7.87 | 6.5        | 3.03            | 96.8  |
| 105      | 9/9/2011 13:16:18 | 15.11  | 46.13  | 29.96        | 8.14    | 7.87 | 6.4        | 2.94            | 97.2  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 106      | 9/9/2011 13:31:19  | 15.37  | 46.13  | 29.96        | 8.14    | 7.88 | 5.9        | 2.85            | 97.7  |
| 107      | 9/9/2011 13:46:19  | 15.59  | 46.15  | 29.97        | 8.13    | 7.88 | 6.0        | 2.78            | 98.0  |
| 108      | 9/9/2011 14:01:18  | 15.84  | 46.14  | 29.98        | 8.19    | 7.89 | 5.9        | 2.70            | 99.3  |
| 109      | 9/9/2011 14:16:18  | 16.03  | 46.15  | 29.98        | 8.69    | 7.93 | 5.1        | 2.62            | 105.8 |
| 110      | 9/9/2011 14:31:18  | 16.33  | 46.18  | 30.01        | 8.74    | 7.93 | 5.5        | 2.54            | 106.9 |
| 111      | 9/9/2011 14:46:18  | 16.57  | 46.16  | 29.99        | 8.68    | 7.94 | 5.6        | 2.46            | 106.8 |
| 112      | 9/9/2011 15:01:18  | 16.63  | 46.15  | 29.99        | 8.89    | 7.95 | 4.6        | 2.38            | 109.5 |
| 113      | 9/9/2011 15:16:18  | 16.95  | 46.15  | 29.99        | 8.94    | 7.96 | 4.6        | 2.32            | 110.7 |
| 114      | 9/9/2011 15:31:18  | 17.01  | 46.10  | 29.96        | 9.35    | 7.98 | 4.2        | 2.25            | 115.9 |
| 115      | 9/9/2011 15:46:18  | 17.18  | 46.19  | 30.03        | 8.93    | 7.97 | 4.3        | 2.17            | 111.1 |
| 116      | 9/9/2011 16:01:18  | 17.24  | 46.16  | 30.00        | 9.31    | 7.99 | 4.2        | 2.13            | 116.0 |
| 117      | 9/9/2011 16:16:18  | 17.34  | 46.19  | 30.03        | 8.88    | 7.98 | 3.7        | 2.09            | 110.8 |
| 118      | 9/9/2011 16:31:18  | 17.37  | 46.20  | 30.03        | 9.18    | 7.99 | 3.7        | 2.07            | 114.7 |
| 119      | 9/9/2011 16:46:18  | 17.52  | 46.21  | 30.04        | 9.14    | 8.00 | 3.6        | 2.04            | 114.5 |
| 120      | 9/9/2011 17:01:18  | 17.27  | 46.15  | 30.00        | 9.63    | 8.00 | 4.1        | 2.06            | 120.0 |
| 121      | 9/9/2011 17:16:18  | 17.44  | 46.23  | 30.05        | 9.40    | 8.00 | 3.7        | 2.07            | 117.5 |
| 122      | 9/9/2011 17:31:18  | 17.41  | 46.22  | 30.05        | 9.34    | 7.99 | 3.9        | 2.10            | 116.7 |
| 123      | 9/9/2011 17:46:18  | 17.66  | 46.22  | 30.05        | 9.04    | 7.99 | 3.8        | 2.16            | 113.5 |
| 124      | 9/9/2011 18:01:18  | 17.62  | 46.22  | 30.05        | 8.92    | 7.98 | 4.3        | 2.22            | 112.0 |
| 125      | 9/9/2011 18:16:18  | 17.69  | 46.16  | 30.00        | 8.59    | 7.95 | 6.3        | 2.29            | 107.9 |
| 126      | 9/9/2011 18:31:18  | 17.65  | 46.14  | 29.99        | 8.45    | 7.94 | 6.8        | 2.37            | 106.1 |
| 127      | 9/9/2011 18:46:18  | 17.23  | 46.14  | 29.99        | 8.51    | 7.93 | 5.4        | 2.45            | 106.0 |
| 128      | 9/9/2011 19:01:18  | 16.96  | 46.15  | 29.99        | 8.46    | 7.92 | 5.6        | 2.52            | 104.8 |
| 129      | 9/9/2011 19:16:18  | 16.72  | 46.15  | 29.99        | 8.32    | 7.91 | 4.8        | 2.60            | 102.6 |
| 130      | 9/9/2011 19:31:18  | 16.40  | 46.19  | 30.02        | 8.11    | 7.89 | 5.4        | 2.67            | 99.5  |
| 131      | 9/9/2011 19:46:18  | 15.88  | 46.12  | 29.96        | 7.83    | 7.86 | 5.5        | 2.74            | 95.0  |
| 132      | 9/9/2011 20:01:18  | 15.66  | 46.08  | 29.93        | 7.81    | 7.85 | 5.6        | 2.82            | 94.2  |
| 133      | 9/9/2011 20:16:18  | 15.46  | 46.12  | 29.95        | 7.82    | 7.84 | 5.4        | 2.90            | 94.0  |
| 134      | 9/9/2011 20:31:18  | 15.25  | 46.14  | 29.96        | 7.88    | 7.85 | 5.7        | 2.97            | 94.4  |
| 135      | 9/9/2011 20:46:18  | 14.83  | 45.97  | 29.84        | 8.02    | 7.85 | 6.0        | 3.06            | 95.2  |
| 136      | 9/9/2011 21:01:18  | 14.47  | 46.08  | 29.90        | 8.09    | 7.85 | 6.1        | 3.14            | 95.4  |
| 137      | 9/9/2011 21:16:18  | 14.18  | 46.14  | 29.94        | 8.23    | 7.86 | 7.1        | 3.21            | 96.5  |
| 138      | 9/9/2011 21:31:18  | 13.67  | 46.03  | 29.85        | 8.51    | 7.86 | 6.8        | 3.30            | 98.6  |
| 139      | 9/9/2011 21:46:18  | 13.29  | 46.03  | 29.84        | 8.62    | 7.86 | 6.6        | 3.38            | 99.1  |
| 140      | 9/9/2011 22:01:18  | 13.05  | 46.11  | 29.88        | 8.71    | 7.87 | 6.0        | 3.44            | 99.7  |
| 141      | 9/9/2011 22:16:18  | 12.81  | 46.10  | 29.87        | 8.82    | 7.87 | 5.4        | 3.50            | 100.4 |
| 142      | 9/9/2011 22:31:18  | 12.58  | 46.11  | 29.87        | 8.92    | 7.88 | 4.7        | 3.54            | 101.1 |
| 143      | 9/9/2011 22:46:18  | 12.51  | 46.14  | 29.89        | 8.96    | 7.88 | 4.9        | 3.59            | 101.4 |
| 144      | 9/9/2011 23:01:18  | 12.53  | 46.08  | 29.85        | 8.86    | 7.88 | 3.4        | 3.60            | 100.3 |
| 145      | 9/9/2011 23:16:18  | 12.71  | 46.06  | 29.84        | 8.72    | 7.87 | 4.6        | 3.59            | 99.1  |
| 146      | 9/9/2011 23:31:18  | 12.58  | 46.12  | 29.88        | 8.84    | 7.88 | 4.2        | 3.57            | 100.2 |
| 147      | 9/9/2011 23:46:18  | 12.59  | 46.10  | 29.86        | 8.82    | 7.88 | 4.9        | 3.52            | 100.0 |
| 148      | 9/10/2011 00:01:19 | 13.31  | 46.12  | 29.90        | 8.53    | 7.88 | 5.1        | 3.45            | 98.2  |
| 149      | 9/10/2011 00:16:18 | 13.87  | 46.12  | 29.92        | 8.15    | 7.87 | 6.3        | 3.37            | 94.9  |
| 150      | 9/10/2011 00:31:19 | 13.89  | 46.13  | 29.92        | 7.95    | 7.85 | 5.6        | 3.29            | 92.6  |
| 151      | 9/10/2011 00:46:19 | 14.16  | 46.14  | 29.94        | 7.85    | 7.85 | 5.4        | 3.18            | 91.9  |
| 152      | 9/10/2011 01:01:18 | 14.61  | 46.17  | 29.97        | 8.02    | 7.89 | 6.2        | 3.07            | 94.8  |
| 153      | 9/10/2011 01:16:18 | 15.03  | 46.14  | 29.96        | 8.03    | 7.90 | 7.1        | 2.97            | 95.7  |
| 154      | 9/10/2011 01:31:18 | 15.42  | 46.17  | 29.99        | 7.90    | 7.90 | 6.2        | 2.87            | 95.0  |
| 155      | 9/10/2011 01:46:18 | 15.47  | 46.18  | 30.00        | 7.84    | 7.88 | 6.5        | 2.75            | 94.3  |
| 156      | 9/10/2011 02:01:18 | 16.00  | 46.15  | 29.99        | 7.86    | 7.91 | 6.5        | 2.65            | 95.6  |
| 157      | 9/10/2011 02:16:18 | 15.98  | 46.18  | 30.01        | 7.92    | 7.91 | 7.8        | 2.54            | 96.3  |
| 158      | 9/10/2011 02:31:18 | 16.08  | 46.18  | 30.00        | 7.95    | 7.91 | 7.4        | 2.42            | 96.8  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 159      | 9/10/2011 02:46:18 | 16.07  | 46.20  | 30.02        | 7.80    | 7.90 | 8.1        | 2.31            | 95.0  |
| 160      | 9/10/2011 03:01:18 | 16.00  | 46.15  | 29.98        | 7.71    | 7.89 | 8.4        | 2.19            | 93.7  |
| 161      | 9/10/2011 03:16:18 | 16.02  | 46.17  | 30.00        | 7.73    | 7.89 | 8.2        | 2.05            | 94.0  |
| 162      | 9/10/2011 03:31:18 | 15.96  | 46.19  | 30.01        | 7.62    | 7.88 | 7.8        | 1.95            | 92.6  |
| 163      | 9/10/2011 03:46:18 | 16.08  | 46.14  | 29.98        | 7.61    | 7.88 | 6.8        | 1.83            | 92.7  |
| 164      | 9/10/2011 04:01:18 | 16.27  | 46.22  | 30.04        | 7.52    | 7.88 | 6.2        | 1.73            | 91.9  |
| 165      | 9/10/2011 04:16:18 | 16.57  | 46.25  | 30.06        | 7.66    | 7.90 | 5.6        | 1.63            | 94.2  |
| 166      | 9/10/2011 04:31:18 | 16.63  | 46.29  | 30.09        | 7.64    | 7.90 | 5.5        | 1.54            | 94.2  |
| 167      | 9/10/2011 04:46:18 | 16.82  | 46.24  | 30.06        | 7.69    | 7.91 | 4.9        | 1.49            | 95.0  |
| 168      | 9/10/2011 05:01:18 | 17.07  | 46.31  | 30.11        | 7.83    | 7.93 | 5.3        | 1.45            | 97.3  |
| 169      | 9/10/2011 05:16:18 | 17.34  | 46.31  | 30.12        | 8.05    | 7.96 | 4.4        | 1.43            | 100.5 |
| 170      | 9/10/2011 05:31:18 | 17.31  | 46.36  | 30.15        | 8.01    | 7.96 | 3.7        | 1.43            | 100.0 |
| 171      | 9/10/2011 05:46:18 | 17.30  | 46.31  | 30.11        | 8.09    | 7.96 | 3.8        | 1.47            | 100.9 |
| 172      | 9/10/2011 06:01:18 | 17.29  | 46.26  | 30.07        | 8.10    | 7.96 | 3.5        | 1.51            | 101.1 |
| 173      | 9/10/2011 06:16:18 | 17.45  | 46.26  | 30.08        | 8.24    | 7.97 | 4.2        | 1.59            | 103.2 |
| 174      | 9/10/2011 06:31:18 | 17.35  | 46.29  | 30.10        | 8.18    | 7.96 | 4.2        | 1.67            | 102.1 |
| 175      | 9/10/2011 06:46:18 | 17.34  | 46.21  | 30.04        | 7.95    | 7.95 | 5.9        | 1.75            | 99.2  |
| 176      | 9/10/2011 07:01:18 | 17.42  | 46.09  | 29.95        | 7.71    | 7.93 | 7.9        | 1.85            | 96.4  |
| 177      | 9/10/2011 07:16:18 | 17.26  | 46.16  | 30.01        | 7.77    | 7.93 | 7.1        | 1.92            | 96.8  |
| 178      | 9/10/2011 07:31:19 | 17.04  | 46.18  | 30.02        | 7.74    | 7.92 | 6.3        | 2.00            | 96.1  |
| 179      | 9/10/2011 07:46:18 | 16.95  | 46.13  | 29.98        | 7.72    | 7.91 | 5.9        | 2.11            | 95.6  |
| 180      | 9/10/2011 08:01:18 | 16.80  | 46.11  | 29.96        | 7.69    | 7.91 | 6.2        | 2.19            | 95.0  |
| 181      | 9/10/2011 08:16:18 | 16.43  | 46.17  | 30.00        | 7.60    | 7.88 | 6.6        | 2.28            | 93.2  |
| 182      | 9/10/2011 08:31:18 | 16.28  | 46.15  | 29.99        | 7.55    | 7.88 | 6.7        | 2.37            | 92.3  |
| 183      | 9/10/2011 08:46:18 | 16.14  | 46.13  | 29.97        | 7.52    | 7.87 | 6.7        | 2.47            | 91.6  |
| 184      | 9/10/2011 09:01:19 | 16.01  | 46.17  | 30.00        | 7.51    | 7.86 | 7.0        | 2.56            | 91.3  |
| 185      | 9/10/2011 09:16:18 | 15.75  | 46.15  | 29.98        | 7.49    | 7.86 | 7.1        | 2.65            | 90.7  |
| 186      | 9/10/2011 09:31:18 | 15.52  | 46.14  | 29.97        | 7.48    | 7.85 | 7.6        | 2.74            | 90.1  |
| 187      | 9/10/2011 09:46:18 | 15.34  | 46.12  | 29.95        | 7.51    | 7.84 | 8.3        | 2.83            | 90.1  |
| 188      | 9/10/2011 10:01:18 | 15.06  | 46.15  | 29.96        | 7.59    | 7.84 | 9.0        | 2.91            | 90.6  |
| 189      | 9/10/2011 10:16:18 | 14.57  | 46.10  | 29.92        | 7.75    | 7.84 | 9.5        | 2.99            | 91.5  |
| 190      | 9/10/2011 10:31:19 | 14.31  | 46.09  | 29.91        | 7.87    | 7.84 | 8.5        | 3.07            | 92.5  |
| 191      | 9/10/2011 10:46:18 | 13.72  | 46.09  | 29.89        | 8.12    | 7.84 | 7.5        | 3.16            | 94.2  |
| 192      | 9/10/2011 11:01:19 | 13.45  | 46.12  | 29.91        | 8.22    | 7.85 | 7.4        | 3.22            | 94.9  |
| 193      | 9/10/2011 11:16:19 | 13.27  | 46.13  | 29.90        | 8.29    | 7.85 | 7.2        | 3.29            | 95.4  |
| 194      | 9/10/2011 11:31:19 | 13.09  | 46.12  | 29.90        | 8.34    | 7.85 | 6.0        | 3.34            | 95.6  |
| 195      | 9/10/2011 11:46:18 | 12.97  | 46.07  | 29.85        | 8.34    | 7.85 | 5.0        | 3.38            | 95.3  |
| 196      | 9/10/2011 12:01:19 | 12.82  | 46.11  | 29.88        | 8.36    | 7.85 | 4.2        | 3.41            | 95.3  |
| 197      | 9/10/2011 12:16:19 | 13.19  | 46.08  | 29.86        | 8.35    | 7.86 | 4.1        | 3.41            | 95.8  |
| 198      | 9/10/2011 12:31:19 | 13.07  | 46.10  | 29.88        | 8.23    | 7.85 | 4.9        | 3.40            | 94.2  |
| 199      | 9/10/2011 12:46:19 | 12.94  | 46.09  | 29.86        | 8.27    | 7.85 | 5.1        | 3.36            | 94.4  |
| 200      | 9/10/2011 13:01:18 | 13.12  | 46.08  | 29.87        | 8.26    | 7.85 | 5.9        | 3.29            | 94.6  |
| 201      | 9/10/2011 13:16:19 | 14.23  | 46.08  | 29.89        | 8.51    | 7.90 | 7.1        | 3.22            | 99.8  |
| 202      | 9/10/2011 13:31:19 | 14.56  | 46.06  | 29.89        | 8.68    | 7.91 | 6.5        | 3.14            | 102.4 |
| 203      | 9/10/2011 13:46:18 | 14.66  | 46.11  | 29.93        | 8.66    | 7.91 | 7.1        | 3.04            | 102.5 |
| 204      | 9/10/2011 14:01:18 | 15.01  | 46.08  | 29.92        | 8.76    | 7.92 | 6.7        | 2.94            | 104.4 |
| 205      | 9/10/2011 14:16:19 | 15.27  | 46.13  | 29.96        | 8.97    | 7.94 | 6.6        | 2.86            | 107.5 |
| 206      | 9/10/2011 14:31:18 | 15.39  | 46.08  | 29.93        | 9.36    | 7.97 | 5.9        | 2.78            | 112.4 |
| 207      | 9/10/2011 14:46:18 | 15.75  | 46.06  | 29.91        | 9.36    | 7.97 | 5.8        | 2.68            | 113.1 |
| 208      | 9/10/2011 15:01:18 | 16.17  | 46.15  | 29.99        | 9.10    | 7.96 | 5.7        | 2.59            | 111.0 |
| 209      | 9/10/2011 15:16:18 | 16.24  | 46.12  | 29.96        | 9.55    | 8.00 | 5.0        | 2.50            | 116.6 |
| 210      | 9/10/2011 15:31:18 | 16.65  | 46.16  | 30.00        | 9.72    | 8.01 | 5.6        | 2.41            | 119.7 |
| 211      | 9/10/2011 15:46:18 | 16.67  | 46.13  | 29.98        | 9.81    | 8.02 | 4.8        | 2.33            | 120.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |       |
| 212      | 9/10/2011 16:01:18 | 16.97  | 46.13  | 29.98        | 10.04   | 8.05 | 5.5               | 2.25            | 124.5 |
| 213      | 9/10/2011 16:16:19 | 17.20  | 46.18  | 30.02        | 9.96    | 8.05 | 6.3               | 2.18            | 124.1 |
| 214      | 9/10/2011 16:31:18 | 17.17  | 46.11  | 29.97        | 10.52   | 8.08 | 5.9               | 2.11            | 130.8 |
| 215      | 9/10/2011 16:46:18 | 17.36  | 46.11  | 29.97        | 10.33   | 8.08 | 6.2               | 2.03            | 129.0 |
| 216      | 9/10/2011 17:01:18 | 17.47  | 46.15  | 30.00        | 10.37   | 8.09 | 5.6               | 1.99            | 129.8 |
| 217      | 9/10/2011 17:16:18 | 17.57  | 46.12  | 29.98        | 10.19   | 8.08 | 4.7               | 1.96            | 127.7 |
| 218      | 9/10/2011 17:31:18 | 17.73  | 46.21  | 30.04        | 9.81    | 8.07 | 4.2               | 1.94            | 123.5 |
| 219      | 9/10/2011 17:46:18 | 17.75  | 46.09  | 29.96        | 10.04   | 8.07 | 4.3               | 1.95            | 126.2 |
| 220      | 9/10/2011 18:01:18 | 17.80  | 46.16  | 30.01        | 9.83    | 8.06 | 3.9               | 1.96            | 123.7 |
| 221      | 9/10/2011 18:16:19 | 17.67  | 46.20  | 30.04        | 9.62    | 8.04 | 4.3               | 2.01            | 120.9 |
| 222      | 9/10/2011 18:31:18 | 17.89  | 46.20  | 30.04        | 9.38    | 8.03 | 4.2               | 2.07            | 118.3 |
| 223      | 9/10/2011 18:46:18 | 17.76  | 46.15  | 30.00        | 9.30    | 8.02 | 5.0               | 2.14            | 117.0 |
| 224      | 9/10/2011 19:01:18 | 17.96  | 46.17  | 30.02        | 8.99    | 8.00 | 7.1               | 2.21            | 113.6 |
| 225      | 9/10/2011 19:16:18 | 17.79  | 46.14  | 29.99        | 8.90    | 7.98 | 6.9               | 2.30            | 112.1 |
| 226      | 9/10/2011 19:31:18 | 17.44  | 46.14  | 29.99        | 8.85    | 7.97 | 6.0               | 2.39            | 110.7 |
| 227      | 9/10/2011 19:46:19 | 17.23  | 46.15  | 30.00        | 8.79    | 7.96 | 5.8               | 2.45            | 109.5 |
| 228      | 9/10/2011 20:01:19 | 16.90  | 46.12  | 29.97        | 8.68    | 7.94 | 5.7               | 2.54            | 107.4 |
| 229      | 9/10/2011 20:16:19 | 16.43  | 46.11  | 29.96        | 8.36    | 7.91 | 5.5               | 2.63            | 102.5 |
| 230      | 9/10/2011 20:31:19 | 16.20  | 46.12  | 29.97        | 8.16    | 7.90 | 5.8               | 2.70            | 99.6  |
| 231      | 9/10/2011 20:46:18 | 16.07  | 46.02  | 29.89        | 8.09    | 7.89 | 5.4               | 2.78            | 98.4  |
| 232      | 9/10/2011 21:01:18 | 15.87  | 46.06  | 29.91        | 8.01    | 7.88 | 5.9               | 2.87            | 97.1  |
| 233      | 9/10/2011 21:16:18 | 15.44  | 46.06  | 29.91        | 8.08    | 7.87 | 6.8               | 2.95            | 97.1  |
| 234      | 9/10/2011 21:31:19 | 15.02  | 46.09  | 29.92        | 8.12    | 7.86 | 7.3               | 3.04            | 96.8  |
| 235      | 9/10/2011 21:46:18 | 14.83  | 45.96  | 29.82        | 8.18    | 7.86 | 7.4               | 3.12            | 97.0  |
| 236      | 9/10/2011 22:01:18 | 14.58  | 45.99  | 29.84        | 8.24    | 7.86 | 7.9               | 3.21            | 97.3  |
| 237      | 9/10/2011 22:16:18 | 14.06  | 46.04  | 29.87        | 8.35    | 7.86 | 9.1               | 3.28            | 97.6  |
| 238      | 9/10/2011 22:31:19 | 13.76  | 46.07  | 29.88        | 8.37    | 7.86 | 8.0               | 3.36            | 97.2  |
| 239      | 9/10/2011 22:46:19 | 13.49  | 46.06  | 29.86        | 8.40    | 7.86 | 8.2               | 3.44            | 97.0  |
| 240      | 9/10/2011 23:01:18 | 13.08  | 46.06  | 29.85        | 8.46    | 7.85 | 6.9               | 3.50            | 96.8  |
| 241      | 9/10/2011 23:16:19 | 12.95  | 46.09  | 29.87        | 8.46    | 7.85 | 5.1               | 3.55            | 96.6  |
| 242      | 9/10/2011 23:31:19 | 12.83  | 46.03  | 29.82        | 8.49    | 7.85 | 4.6               | 3.59            | 96.7  |
| 243      | 9/10/2011 23:46:19 | 12.83  | 46.07  | 29.85        | 8.39    | 7.85 | 3.4               | 3.62            | 95.6  |
| 244      | 9/11/2011 00:01:19 | 13.03  | 46.09  | 29.87        | 8.32    | 7.85 | 4.9               | 3.62            | 95.2  |
| 245      | 9/11/2011 00:16:19 | 12.90  | 46.07  | 29.85        | 8.36    | 7.85 | 4.6               | 3.59            | 95.4  |
| 246      | 9/11/2011 00:31:19 | 12.87  | 46.12  | 29.89        | 8.38    | 7.85 | 5.5               | 3.55            | 95.5  |
| 247      | 9/11/2011 00:46:19 | 13.14  | 46.10  | 29.88        | 8.28    | 7.85 | 5.5               | 3.49            | 94.9  |
| 248      | 9/11/2011 01:01:19 | 13.84  | 46.05  | 29.87        | 7.96    | 7.84 | 6.3               | 3.39            | 92.6  |
| 249      | 9/11/2011 01:16:18 | 13.77  | 46.08  | 29.89        | 7.96    | 7.84 | 7.1               | 3.30            | 92.5  |
| 250      | 9/11/2011 01:31:18 | 13.63  | 45.94  | 29.78        | 7.99    | 7.84 | 6.2               | 3.19            | 92.5  |
| 251      | 9/11/2011 01:46:18 | 13.82  | 46.06  | 29.87        | 7.97    | 7.84 | 6.0               | 3.08            | 92.7  |
| 252      | 9/11/2011 02:01:18 | 14.81  | 46.10  | 29.93        | 7.83    | 7.87 | 8.2               | 2.97            | 92.9  |
| 253      | 9/11/2011 02:16:19 | 15.38  | 46.09  | 29.93        | 7.75    | 7.88 | 8.1               | 2.86            | 93.1  |
| 254      | 9/11/2011 02:31:18 | 15.63  | 46.15  | 29.98        | 7.71    | 7.89 | 7.8               | 2.76            | 93.1  |
| 255      | 9/11/2011 02:46:18 | 15.78  | 46.02  | 29.89        | 7.68    | 7.89 | 7.5               | 2.65            | 92.9  |
| 256      | 9/11/2011 03:01:18 | 16.01  | 46.10  | 29.95        | 7.82    | 7.90 | 7.3               | 2.53            | 95.1  |
| 257      | 9/11/2011 03:16:19 | 15.64  | 46.14  | 29.97        | 7.63    | 7.87 | 6.7               | 2.43            | 92.1  |
| 258      | 9/11/2011 03:31:18 | 16.09  | 46.16  | 29.99        | 7.69    | 7.89 | 8.6               | 2.31            | 93.6  |
| 259      | 9/11/2011 03:46:19 | 15.89  | 46.15  | 29.98        | 7.55    | 7.87 | 8.6               | 2.19            | 91.5  |
| 260      | 9/11/2011 04:01:19 | 16.26  | 46.17  | 30.00        | 7.64    | 7.89 | 8.5               | 2.07            | 93.3  |
| 261      | 9/11/2011 04:16:18 | 16.01  | 46.14  | 29.98        | 7.41    | 7.87 | 8.7               | 1.97            | 90.1  |
| 262      | 9/11/2011 04:31:18 | 16.13  | 46.16  | 29.99        | 7.42    | 7.87 | 7.1               | 1.86            | 90.4  |
| 263      | 9/11/2011 04:46:19 | 16.40  | 46.17  | 30.00        | 7.38    | 7.88 | 6.3               | 1.74            | 90.5  |
| 264      | 9/11/2011 05:01:18 | 16.59  | 46.17  | 30.01        | 7.44    | 7.89 | 6.1               | 1.68            | 91.6  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 265      | 9/11/2011 05:16:18 | 16.66  | 46.20  | 30.03        | 7.47    | 7.89 | 5.6        | 1.60            | 92.1  |
| 266      | 9/11/2011 05:31:18 | 16.87  | 46.17  | 30.01        | 7.49    | 7.90 | 5.3        | 1.57            | 92.7  |
| 267      | 9/11/2011 05:46:18 | 17.00  | 46.13  | 29.98        | 7.58    | 7.91 | 5.0        | 1.54            | 93.9  |
| 268      | 9/11/2011 06:01:18 | 17.30  | 46.16  | 30.00        | 7.74    | 7.94 | 4.0        | 1.53            | 96.5  |
| 269      | 9/11/2011 06:16:19 | 17.05  | 46.23  | 30.06        | 7.64    | 7.92 | 4.3        | 1.58            | 94.9  |
| 270      | 9/11/2011 06:31:18 | 17.24  | 46.26  | 30.07        | 7.82    | 7.94 | 3.9        | 1.61            | 97.4  |
| 271      | 9/11/2011 06:46:18 | 17.39  | 46.24  | 30.07        | 7.87    | 7.95 | 4.3        | 1.68            | 98.4  |
| 272      | 9/11/2011 07:01:18 | 17.42  | 46.27  | 30.09        | 7.91    | 7.95 | 4.6        | 1.75            | 99.0  |
| 273      | 9/11/2011 07:16:18 | 17.35  | 46.22  | 30.05        | 7.86    | 7.95 | 5.5        | 1.84            | 98.1  |
| 274      | 9/11/2011 07:31:18 | 17.47  | 46.09  | 29.96        | 7.59    | 7.93 | 8.4        | 1.93            | 95.0  |
| 275      | 9/11/2011 07:46:18 | 17.48  | 46.09  | 29.95        | 7.48    | 7.92 | 9.4        | 2.01            | 93.6  |
| 276      | 9/11/2011 08:01:18 | 17.22  | 46.12  | 29.98        | 7.56    | 7.91 | 7.6        | 2.11            | 94.2  |
| 277      | 9/11/2011 08:16:19 | 17.02  | 46.15  | 29.99        | 7.57    | 7.91 | 7.3        | 2.20            | 93.9  |
| 278      | 9/11/2011 08:31:19 | 16.90  | 46.14  | 29.99        | 7.57    | 7.90 | 6.8        | 2.29            | 93.7  |
| 279      | 9/11/2011 08:46:19 | 16.58  | 46.15  | 29.99        | 7.57    | 7.88 | 6.6        | 2.38            | 93.1  |
| 280      | 9/11/2011 09:01:18 | 16.41  | 46.14  | 29.98        | 7.55    | 7.88 | 7.0        | 2.47            | 92.6  |
| 281      | 9/11/2011 09:16:18 | 16.24  | 46.12  | 29.96        | 7.55    | 7.87 | 6.8        | 2.57            | 92.2  |
| 282      | 9/11/2011 09:31:18 | 15.98  | 46.12  | 29.96        | 7.57    | 7.86 | 7.7        | 2.66            | 92.0  |
| 283      | 9/11/2011 09:46:18 | 15.73  | 46.11  | 29.95        | 7.58    | 7.85 | 8.1        | 2.75            | 91.6  |
| 284      | 9/11/2011 10:01:19 | 15.53  | 46.12  | 29.96        | 7.59    | 7.85 | 8.2        | 2.84            | 91.4  |
| 285      | 9/11/2011 10:16:18 | 15.39  | 46.06  | 29.91        | 7.61    | 7.84 | 9.2        | 2.94            | 91.3  |
| 286      | 9/11/2011 10:31:18 | 15.16  | 46.03  | 29.88        | 7.62    | 7.84 | 9.3        | 3.02            | 91.1  |
| 287      | 9/11/2011 10:46:19 | 14.73  | 46.05  | 29.89        | 7.69    | 7.83 | 10.6       | 3.11            | 91.1  |
| 288      | 9/11/2011 11:01:19 | 14.27  | 46.06  | 29.88        | 7.76    | 7.83 | 9.2        | 3.20            | 91.1  |
| 289      | 9/11/2011 11:16:18 | 13.79  | 46.06  | 29.87        | 7.81    | 7.82 | 9.1        | 3.28            | 90.7  |
| 290      | 9/11/2011 11:31:18 | 13.45  | 45.99  | 29.81        | 7.84    | 7.82 | 8.3        | 3.35            | 90.4  |
| 291      | 9/11/2011 11:46:19 | 13.31  | 46.10  | 29.89        | 7.86    | 7.82 | 7.1        | 3.41            | 90.4  |
| 292      | 9/11/2011 12:01:19 | 13.19  | 46.08  | 29.87        | 7.87    | 7.82 | 5.8        | 3.48            | 90.3  |
| 293      | 9/11/2011 12:16:19 | 12.90  | 46.06  | 29.84        | 7.91    | 7.82 | 4.9        | 3.52            | 90.2  |
| 294      | 9/11/2011 12:31:19 | 12.84  | 46.08  | 29.86        | 7.85    | 7.82 | 3.8        | 3.54            | 89.4  |
| 295      | 9/11/2011 12:46:19 | 12.95  | 46.12  | 29.89        | 7.79    | 7.82 | 4.2        | 3.55            | 89.0  |
| 296      | 9/11/2011 13:01:19 | 12.95  | 46.05  | 29.84        | 7.78    | 7.82 | 5.1        | 3.54            | 88.9  |
| 297      | 9/11/2011 13:16:18 | 13.02  | 46.04  | 29.84        | 7.80    | 7.82 | 5.3        | 3.48            | 89.2  |
| 298      | 9/11/2011 13:31:19 | 13.88  | 46.05  | 29.87        | 8.01    | 7.86 | 7.7        | 3.41            | 93.3  |
| 299      | 9/11/2011 13:46:19 | 14.86  | 45.99  | 29.85        | 8.42    | 7.90 | 7.9        | 3.34            | 100.0 |
| 300      | 9/11/2011 14:01:19 | 14.69  | 46.07  | 29.90        | 8.43    | 7.89 | 8.5        | 3.25            | 99.7  |
| 301      | 9/11/2011 14:16:19 | 14.89  | 46.08  | 29.91        | 8.49    | 7.90 | 8.1        | 3.15            | 100.9 |
| 302      | 9/11/2011 14:31:19 | 15.11  | 46.01  | 29.87        | 8.84    | 7.92 | 6.5        | 3.04            | 105.6 |
| 303      | 9/11/2011 14:46:18 | 15.53  | 46.09  | 29.93        | 8.63    | 7.90 | 7.3        | 2.94            | 103.9 |
| 304      | 9/11/2011 15:01:18 | 15.87  | 46.08  | 29.93        | 8.37    | 7.91 | 8.1        | 2.84            | 101.5 |
| 305      | 9/11/2011 15:16:18 | 16.11  | 46.10  | 29.95        | 8.98    | 7.94 | 8.4        | 2.73            | 109.4 |
| 306      | 9/11/2011 15:31:19 | 16.28  | 46.11  | 29.96        | 8.70    | 7.95 | 6.5        | 2.64            | 106.4 |
| 307      | 9/11/2011 15:46:18 | 16.46  | 46.13  | 29.98        | 8.60    | 7.93 | 6.2        | 2.55            | 105.5 |
| 308      | 9/11/2011 16:01:18 | 16.75  | 46.13  | 29.97        | 8.88    | 7.97 | 5.6        | 2.45            | 109.6 |
| 309      | 9/11/2011 16:16:18 | 17.02  | 46.14  | 29.99        | 9.24    | 7.99 | 6.0        | 2.36            | 114.5 |
| 310      | 9/11/2011 16:31:18 | 17.07  | 46.05  | 29.92        | 9.47    | 8.01 | 5.3        | 2.27            | 117.5 |
| 311      | 9/11/2011 16:46:18 | 17.18  | 46.07  | 29.94        | 9.55    | 8.02 | 5.2        | 2.19            | 118.8 |
| 312      | 9/11/2011 17:01:18 | 17.23  | 46.10  | 29.96        | 9.48    | 8.01 | 4.9        | 2.11            | 118.0 |
| 313      | 9/11/2011 17:16:18 | 17.33  | 46.11  | 29.97        | 9.70    | 8.03 | 4.9        | 2.03            | 121.1 |
| 314      | 9/11/2011 17:31:18 | 17.37  | 46.11  | 29.97        | 9.73    | 8.04 | 4.8        | 1.97            | 121.5 |
| 315      | 9/11/2011 17:46:19 | 17.42  | 46.17  | 30.01        | 9.55    | 8.03 | 4.5        | 1.93            | 119.4 |
| 316      | 9/11/2011 18:01:18 | 17.49  | 46.17  | 30.02        | 9.65    | 8.04 | 4.6        | 1.91            | 120.8 |
| 317      | 9/11/2011 18:16:18 | 17.45  | 46.19  | 30.02        | 9.90    | 8.06 | 4.9        | 1.90            | 123.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 318      | 9/11/2011 18:31:18 | 17.41  | 46.08  | 29.95        | 9.75    | 8.04 | 4.9        | 1.91            | 121.8 |
| 319      | 9/11/2011 18:46:18 | 17.55  | 46.15  | 30.00        | 9.58    | 8.03 | 4.2        | 1.96            | 120.1 |
| 320      | 9/11/2011 19:01:19 | 17.56  | 46.15  | 30.00        | 9.44    | 8.02 | 4.6        | 2.00            | 118.3 |
| 321      | 9/11/2011 19:16:19 | 17.95  | 46.21  | 30.05        | 9.30    | 8.03 | 4.4        | 2.08            | 117.5 |
| 322      | 9/11/2011 19:31:19 | 17.88  | 46.21  | 30.05        | 9.26    | 8.02 | 4.6        | 2.15            | 116.8 |
| 323      | 9/11/2011 19:46:18 | 18.05  | 46.17  | 30.02        | 8.95    | 8.00 | 7.5        | 2.23            | 113.2 |
| 324      | 9/11/2011 20:01:18 | 18.12  | 46.15  | 30.00        | 8.82    | 7.99 | 7.7        | 2.32            | 111.8 |
| 325      | 9/11/2011 20:16:18 | 17.75  | 46.14  | 30.00        | 8.86    | 7.97 | 6.3        | 2.40            | 111.5 |
| 326      | 9/11/2011 20:31:18 | 17.52  | 46.14  | 29.99        | 8.84    | 7.96 | 6.0        | 2.48            | 110.7 |
| 327      | 9/11/2011 20:46:18 | 17.26  | 46.05  | 29.93        | 8.72    | 7.95 | 5.6        | 2.57            | 108.7 |
| 328      | 9/11/2011 21:01:18 | 16.75  | 46.07  | 29.93        | 8.30    | 7.91 | 5.9        | 2.65            | 102.3 |
| 329      | 9/11/2011 21:16:18 | 16.41  | 46.11  | 29.96        | 8.05    | 7.88 | 5.5        | 2.73            | 98.6  |
| 330      | 9/11/2011 21:31:19 | 16.23  | 46.10  | 29.95        | 7.95    | 7.87 | 6.0        | 2.81            | 97.0  |
| 331      | 9/11/2011 21:46:18 | 16.07  | 45.97  | 29.86        | 7.93    | 7.87 | 5.9        | 2.89            | 96.4  |
| 332      | 9/11/2011 22:01:18 | 15.85  | 46.10  | 29.95        | 7.91    | 7.86 | 6.2        | 2.98            | 95.9  |
| 333      | 9/11/2011 22:16:18 | 15.46  | 46.04  | 29.90        | 7.95    | 7.85 | 6.8        | 3.06            | 95.6  |
| 334      | 9/11/2011 22:31:18 | 15.29  | 46.06  | 29.91        | 7.96    | 7.85 | 7.3        | 3.14            | 95.4  |
| 335      | 9/11/2011 22:46:18 | 14.87  | 45.97  | 29.83        | 8.02    | 7.85 | 7.9        | 3.23            | 95.2  |
| 336      | 9/11/2011 23:01:18 | 14.45  | 45.98  | 29.83        | 8.03    | 7.84 | 8.4        | 3.30            | 94.5  |
| 337      | 9/11/2011 23:16:18 | 14.16  | 46.04  | 29.87        | 8.02    | 7.83 | 7.4        | 3.38            | 93.9  |
| 338      | 9/11/2011 23:31:19 | 13.87  | 46.07  | 29.88        | 8.00    | 7.83 | 6.5        | 3.45            | 93.1  |
| 339      | 9/11/2011 23:46:18 | 13.35  | 45.99  | 29.81        | 8.00    | 7.82 | 7.3        | 3.50            | 92.0  |
| 340      | 9/12/2011 00:01:19 | 13.09  | 46.09  | 29.87        | 8.01    | 7.82 | 5.2        | 3.55            | 91.8  |
| 341      | 9/12/2011 00:16:19 | 13.04  | 46.09  | 29.87        | 7.99    | 7.82 | 4.3        | 3.58            | 91.5  |
| 342      | 9/12/2011 00:31:19 | 13.43  | 45.69  | 29.60        | 7.86    | 7.82 | 3.7        | 3.60            | 90.5  |
| 343      | 9/12/2011 00:46:19 | 13.04  | 46.08  | 29.87        | 7.87    | 7.82 | 4.0        | 3.60            | 90.0  |
| 344      | 9/12/2011 01:01:19 | 13.11  | 46.07  | 29.86        | 7.87    | 7.82 | 4.0        | 3.58            | 90.2  |
| 345      | 9/12/2011 01:16:19 | 13.21  | 46.08  | 29.87        | 7.85    | 7.82 | 4.6        | 3.53            | 90.1  |
| 346      | 9/12/2011 01:31:19 | 14.43  | 46.01  | 29.85        | 7.56    | 7.84 | 6.5        | 3.46            | 89.0  |
| 347      | 9/12/2011 01:46:19 | 14.69  | 46.09  | 29.92        | 7.50    | 7.83 | 6.7        | 3.38            | 88.8  |
| 348      | 9/12/2011 02:01:19 | 14.63  | 46.07  | 29.90        | 7.51    | 7.82 | 6.7        | 3.29            | 88.8  |
| 349      | 9/12/2011 02:16:19 | 14.52  | 46.05  | 29.89        | 7.54    | 7.82 | 6.1        | 3.17            | 88.9  |
| 350      | 9/12/2011 02:31:18 | 15.22  | 46.05  | 29.90        | 7.47    | 7.84 | 6.6        | 3.07            | 89.3  |
| 351      | 9/12/2011 02:46:19 | 15.56  | 46.10  | 29.94        | 7.53    | 7.86 | 7.1        | 2.96            | 90.7  |
| 352      | 9/12/2011 03:01:18 | 15.83  | 46.09  | 29.94        | 7.54    | 7.87 | 7.4        | 2.86            | 91.4  |
| 353      | 9/12/2011 03:16:18 | 16.16  | 46.11  | 29.96        | 7.40    | 7.87 | 7.4        | 2.74            | 90.2  |
| 354      | 9/12/2011 03:31:19 | 16.29  | 46.16  | 29.99        | 7.33    | 7.88 | 7.3        | 2.63            | 89.6  |
| 355      | 9/12/2011 03:46:19 | 16.41  | 46.15  | 29.99        | 7.62    | 7.89 | 7.4        | 2.52            | 93.4  |
| 356      | 9/12/2011 04:01:19 | 16.38  | 46.14  | 29.98        | 7.39    | 7.88 | 7.7        | 2.41            | 90.5  |
| 357      | 9/12/2011 04:16:19 | 16.42  | 46.17  | 30.00        | 7.43    | 7.88 | 8.1        | 2.29            | 91.0  |
| 358      | 9/12/2011 04:31:19 | 16.43  | 46.17  | 30.00        | 7.34    | 7.88 | 9.2        | 2.18            | 90.0  |
| 359      | 9/12/2011 04:46:18 | 16.45  | 46.17  | 30.01        | 7.29    | 7.87 | 8.0        | 2.09            | 89.4  |
| 360      | 9/12/2011 05:01:19 | 16.53  | 46.17  | 30.01        | 7.26    | 7.87 | 7.0        | 1.97            | 89.2  |
| 361      | 9/12/2011 05:16:18 | 16.61  | 46.20  | 30.03        | 7.20    | 7.87 | 6.3        | 1.88            | 88.6  |
| 362      | 9/12/2011 05:31:18 | 16.71  | 46.16  | 30.00        | 7.17    | 7.87 | 6.3        | 1.79            | 88.4  |
| 363      | 9/12/2011 05:46:18 | 16.91  | 46.23  | 30.05        | 7.22    | 7.88 | 5.7        | 1.73            | 89.5  |
| 364      | 9/12/2011 06:01:18 | 17.08  | 46.22  | 30.04        | 7.27    | 7.89 | 4.9        | 1.69            | 90.3  |
| 365      | 9/12/2011 06:16:18 | 17.24  | 46.24  | 30.06        | 7.35    | 7.90 | 5.4        | 1.65            | 91.6  |
| 366      | 9/12/2011 06:31:19 | 17.49  | 46.24  | 30.06        | 7.43    | 7.93 | 4.2        | 1.65            | 93.0  |
| 367      | 9/12/2011 06:46:18 | 17.49  | 46.24  | 30.06        | 7.41    | 7.93 | 4.2        | 1.68            | 92.8  |
| 368      | 9/12/2011 07:01:18 | 17.49  | 46.19  | 30.02        | 7.51    | 7.93 | 4.0        | 1.71            | 94.1  |
| 369      | 9/12/2011 07:16:18 | 17.60  | 46.22  | 30.05        | 7.57    | 7.94 | 4.3        | 1.78            | 95.0  |
| 370      | 9/12/2011 07:31:18 | 17.58  | 46.28  | 30.09        | 7.58    | 7.94 | 4.4        | 1.84            | 95.1  |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 371      | 9/12/2011 07:46:19 | 17.49  | 46.24           | 30.06        | 7.52            | 7.93 | 5.4               | 1.94            | 94.2  |
| 372      | 9/12/2011 08:01:19 | 17.57  | 46.17           | 30.01        | 7.32            | 7.92 | 8.0               | 2.03            | 91.8  |
| 373      | 9/12/2011 08:16:18 | 17.56  | 46.15           | 30.00        | 7.26            | 7.91 | 8.6               | 2.11            | 91.0  |
| 374      | 9/12/2011 08:31:19 | 17.25  | 46.16           | 30.00        | 7.34            | 7.90 | 7.3               | 2.20            | 91.5  |
| 375      | 9/12/2011 08:46:18 | 17.11  | 46.11           | 29.97        | 7.34            | 7.90 | 6.5               | 2.29            | 91.2  |
| 376      | 9/12/2011 09:01:18 | 17.06  | 46.14           | 29.98        | 7.36            | 7.90 | 6.8               | 2.38            | 91.4  |
| 377      | 9/12/2011 09:16:18 | 16.78  | 46.06           | 29.93        | 7.40            | 7.88 | 6.6               | 2.47            | 91.3  |
| 378      | 9/12/2011 09:31:18 | 16.44  | 46.13           | 29.97        | 7.42            | 7.87 | 6.6               | 2.55            | 91.0  |
| 379      | 9/12/2011 09:46:18 | 16.34  | 46.06           | 29.92        | 7.42            | 7.86 | 6.8               | 2.65            | 90.8  |
| 380      | 9/12/2011 10:01:18 | 16.18  | 46.07           | 29.93        | 7.46            | 7.86 | 6.5               | 2.74            | 91.0  |
| 381      | 9/12/2011 10:16:19 | 15.97  | 46.14           | 29.98        | 7.46            | 7.85 | 7.9               | 2.83            | 90.6  |
| 382      | 9/12/2011 10:31:18 | 15.73  | 46.06           | 29.91        | 7.45            | 7.84 | 8.4               | 2.91            | 90.1  |
| 383      | 9/12/2011 10:46:19 | 15.62  | 46.09           | 29.94        | 7.46            | 7.84 | 7.6               | 3.00            | 90.0  |
| 384      | 9/12/2011 11:01:19 | 15.39  | 46.10           | 29.94        | 7.47            | 7.83 | 9.6               | 3.09            | 89.6  |
| 385      | 9/12/2011 11:16:18 | 14.81  | 46.05           | 29.89        | 7.57            | 7.82 | 9.8               | 3.17            | 89.8  |
| 386      | 9/12/2011 11:31:18 | 14.50  | 46.07           | 29.90        | 7.62            | 7.82 | 9.0               | 3.25            | 89.9  |
| 387      | 9/12/2011 11:46:18 | 14.08  | 46.01           | 29.84        | 7.72            | 7.82 | 7.8               | 3.33            | 90.3  |
| 388      | 9/12/2011 12:01:19 | 13.68  | 46.08           | 29.88        | 7.87            | 7.82 | 7.6               | 3.41            | 91.2  |
| 389      | 9/12/2011 12:16:18 | 13.44  | 46.03           | 29.84        | 7.97            | 7.83 | 5.6               | 3.46            | 91.9  |
| 390      | 9/12/2011 12:31:19 | 13.25  | 46.04           | 29.84        | 8.10            | 7.84 | 4.4               | 3.52            | 93.1  |
| 391      | 9/12/2011 12:46:19 | 13.12  | 46.04           | 29.84        | 8.19            | 7.84 | 3.9               | 3.57            | 93.8  |
| 392      | 9/12/2011 13:01:19 | 13.07  | 46.07           | 29.86        | 8.23            | 7.84 | 3.5               | 3.59            | 94.2  |
| 393      | 9/12/2011 13:16:19 | 13.09  | 46.06           | 29.85        | 8.11            | 7.84 | 3.8               | 3.58            | 92.8  |
| 394      | 9/12/2011 13:31:18 | 13.15  | 46.02           | 29.82        | 8.13            | 7.84 | 3.5               | 3.56            | 93.2  |
| 395      | 9/12/2011 13:46:19 | 13.19  | 46.06           | 29.85        | 8.12            | 7.84 | 4.2               | 3.52            | 93.1  |
| 396      | 9/12/2011 14:01:19 | 13.41  | 46.04           | 29.85        | 8.08            | 7.84 | 5.4               | 3.44            | 93.1  |
| 397      | 9/12/2011 14:16:18 | 14.59  | 46.04           | 29.88        | 8.27            | 7.88 | 6.7               | 3.36            | 97.6  |
| 398      | 9/12/2011 14:31:19 | 14.65  | 46.07           | 29.90        | 8.24            | 7.87 | 8.7               | 3.26            | 97.4  |
| 399      | 9/12/2011 14:46:18 | 14.80  | 45.98           | 29.84        | 8.43            | 7.89 | 7.5               | 3.16            | 100.0 |
| 400      | 9/12/2011 15:01:19 | 14.89  | 46.05           | 29.89        | 8.64            | 7.90 | 5.7               | 3.06            | 102.7 |
| 401      | 9/12/2011 15:16:18 | 15.15  | 46.05           | 29.90        | 8.64            | 7.91 | 6.1               | 2.94            | 103.3 |
| 402      | 9/12/2011 15:31:18 | 15.35  | 45.94           | 29.82        | 8.46            | 7.92 | 7.3               | 2.84            | 101.4 |
| 403      | 9/12/2011 15:46:18 | 15.30  | 46.08           | 29.92        | 9.09            | 7.93 | 5.2               | 2.74            | 109.0 |
| 404      | 9/12/2011 16:01:19 | 15.89  | 45.92           | 29.82        | 8.71            | 7.93 | 6.5               | 2.64            | 105.6 |
| 405      | 9/12/2011 16:16:19 | 16.28  | 46.07           | 29.93        | 8.50            | 7.92 | 6.0               | 2.53            | 103.9 |
| 406      | 9/12/2011 16:31:19 | 16.54  | 46.05           | 29.92        | 8.82            | 7.94 | 5.9               | 2.43            | 108.3 |
| 407      | 9/12/2011 16:46:18 | 16.55  | 46.07           | 29.93        | 8.84            | 7.96 | 6.0               | 2.33            | 108.6 |
| 408      | 9/12/2011 17:01:18 | 16.64  | 46.14           | 29.98        | 8.77            | 7.95 | 5.8               | 2.22            | 108.0 |
| 409      | 9/12/2011 17:16:18 | 16.68  | 46.13           | 29.98        | 8.84            | 7.96 | 5.7               | 2.13            | 108.9 |
| 410      | 9/12/2011 17:31:18 | 16.70  | 46.15           | 29.99        | 8.74            | 7.96 | 5.2               | 2.04            | 107.8 |
| 411      | 9/12/2011 17:46:19 | 16.70  | 46.14           | 29.98        | 8.97            | 7.98 | 4.8               | 1.95            | 110.5 |
| 412      | 9/12/2011 18:01:18 | 16.77  | 46.13           | 29.98        | 8.82            | 7.98 | 4.8               | 1.88            | 108.9 |
| 413      | 9/12/2011 18:16:18 | 16.97  | 46.14           | 29.99        | 8.73            | 7.97 | 4.7               | 1.83            | 108.2 |
| 414      | 9/12/2011 18:31:18 | 17.15  | 46.19           | 30.03        | 8.61            | 7.98 | 5.0               | 1.81            | 107.1 |
| 415      | 9/12/2011 18:46:19 | 17.40  | 46.20           | 30.03        | 8.41            | 7.98 | 4.1               | 1.80            | 105.1 |
| 416      | 9/12/2011 19:01:19 | 17.16  | 46.10           | 29.96        | 8.67            | 7.98 | 4.2               | 1.79            | 107.8 |
| 417      | 9/12/2011 19:16:18 | 17.61  | 46.16           | 30.01        | 8.39            | 7.98 | 3.8               | 1.85            | 105.2 |
| 418      | 9/12/2011 19:31:18 | 17.50  | 46.22           | 30.05        | 8.25            | 7.96 | 4.0               | 1.91            | 103.3 |
| 419      | 9/12/2011 19:46:18 | 17.62  | 46.21           | 30.04        | 8.24            | 7.97 | 4.3               | 1.96            | 103.5 |
| 420      | 9/12/2011 20:01:18 | 17.54  | 46.18           | 30.02        | 8.20            | 7.96 | 5.1               | 2.04            | 102.8 |
| 421      | 9/12/2011 20:16:18 | 17.59  | 46.18           | 30.02        | 8.01            | 7.94 | 6.9               | 2.13            | 100.5 |
| 422      | 9/12/2011 20:31:18 | 17.65  | 46.16           | 30.01        | 7.92            | 7.94 | 8.1               | 2.21            | 99.4  |
| 423      | 9/12/2011 20:46:18 | 17.36  | 46.13           | 29.98        | 8.00            | 7.93 | 6.4               | 2.29            | 99.8  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 424      | 9/12/2011 21:01:19 | 17.16  | 46.17  | 30.01        | 7.99    | 7.92 | 5.6        | 2.37            | 99.4  |
| 425      | 9/12/2011 21:16:19 | 17.09  | 46.15  | 30.00        | 7.99    | 7.92 | 5.8        | 2.46            | 99.2  |
| 426      | 9/12/2011 21:31:18 | 16.74  | 46.13  | 29.98        | 7.86    | 7.90 | 5.5        | 2.54            | 97.0  |
| 427      | 9/12/2011 21:46:19 | 16.42  | 46.16  | 29.99        | 7.70    | 7.88 | 5.6        | 2.62            | 94.4  |
| 428      | 9/12/2011 22:01:19 | 16.30  | 46.11  | 29.96        | 7.64    | 7.87 | 5.6        | 2.71            | 93.4  |
| 429      | 9/12/2011 22:16:18 | 16.16  | 46.08  | 29.94        | 7.58    | 7.86 | 5.7        | 2.79            | 92.4  |
| 430      | 9/12/2011 22:31:19 | 15.94  | 46.12  | 29.96        | 7.57    | 7.86 | 6.2        | 2.86            | 91.9  |
| 431      | 9/12/2011 22:46:19 | 15.71  | 46.11  | 29.95        | 7.62    | 7.85 | 5.9        | 2.94            | 92.1  |
| 432      | 9/12/2011 23:01:18 | 15.49  | 46.08  | 29.93        | 7.67    | 7.85 | 5.9        | 3.03            | 92.3  |
| 433      | 9/12/2011 23:16:19 | 15.38  | 46.08  | 29.92        | 7.68    | 7.85 | 6.3        | 3.10            | 92.2  |
| 434      | 9/12/2011 23:31:18 | 15.05  | 46.07  | 29.91        | 7.81    | 7.85 | 7.8        | 3.17            | 93.1  |
| 435      | 9/12/2011 23:46:19 | 14.61  | 46.05  | 29.89        | 8.01    | 7.85 | 7.4        | 3.25            | 94.7  |
| 436      | 9/13/2011 00:01:19 | 14.30  | 46.05  | 29.88        | 8.19    | 7.86 | 7.6        | 3.33            | 96.2  |
| 437      | 9/13/2011 00:16:19 | 14.13  | 46.05  | 29.87        | 8.29    | 7.86 | 7.0        | 3.39            | 97.0  |
| 438      | 9/13/2011 00:31:19 | 13.64  | 46.01  | 29.83        | 8.69    | 7.89 | 5.4        | 3.44            | 100.6 |
| 439      | 9/13/2011 00:46:19 | 13.53  | 46.05  | 29.85        | 8.78    | 7.89 | 5.3        | 3.49            | 101.5 |
| 440      | 9/13/2011 01:01:19 | 13.41  | 46.05  | 29.85        | 8.88    | 7.90 | 3.9        | 3.52            | 102.3 |
| 441      | 9/13/2011 01:16:19 | 13.41  | 46.01  | 29.82        | 8.80    | 7.90 | 4.0        | 3.53            | 101.4 |
| 442      | 9/13/2011 01:31:19 | 13.33  | 46.03  | 29.84        | 8.86    | 7.90 | 3.8        | 3.53            | 102.0 |
| 443      | 9/13/2011 01:46:19 | 13.39  | 46.02  | 29.83        | 8.85    | 7.90 | 4.0        | 3.50            | 102.0 |
| 444      | 9/13/2011 02:01:19 | 13.54  | 46.05  | 29.86        | 8.69    | 7.89 | 4.9        | 3.45            | 100.4 |
| 445      | 9/13/2011 02:16:19 | 14.29  | 46.07  | 29.90        | 8.06    | 7.86 | 5.9        | 3.37            | 94.7  |
| 446      | 9/13/2011 02:31:19 | 14.48  | 46.07  | 29.90        | 7.87    | 7.86 | 7.0        | 3.30            | 92.8  |
| 447      | 9/13/2011 02:46:19 | 14.61  | 46.08  | 29.91        | 7.76    | 7.85 | 7.6        | 3.19            | 91.7  |
| 448      | 9/13/2011 03:01:18 | 14.75  | 45.93  | 29.80        | 7.63    | 7.84 | 6.8        | 3.09            | 90.4  |
| 449      | 9/13/2011 03:16:18 | 14.87  | 46.07  | 29.90        | 7.52    | 7.84 | 6.8        | 2.99            | 89.4  |
| 450      | 9/13/2011 03:31:19 | 15.34  | 46.10  | 29.94        | 7.37    | 7.84 | 11.4       | 2.89            | 88.4  |
| 451      | 9/13/2011 03:46:18 | 15.37  | 46.10  | 29.93        | 7.27    | 7.83 | 6.4        | 2.78            | 87.3  |
| 452      | 9/13/2011 04:01:18 | 15.49  | 46.10  | 29.94        | 7.11    | 7.82 | 6.7        | 2.67            | 85.5  |
| 453      | 9/13/2011 04:16:18 | 15.47  | 46.06  | 29.91        | 7.04    | 7.82 | 6.5        | 2.57            | 84.6  |
| 454      | 9/13/2011 04:31:18 | 15.80  | 46.07  | 29.92        | 7.00    | 7.82 | 6.8        | 2.47            | 84.8  |
| 455      | 9/13/2011 04:46:19 | 15.67  | 46.15  | 29.98        | 6.88    | 7.81 | 9.7        | 2.36            | 83.1  |
| 456      | 9/13/2011 05:01:18 | 15.75  | 46.13  | 29.96        | 6.83    | 7.81 | 8.2        | 2.26            | 82.6  |
| 457      | 9/13/2011 05:16:18 | 15.58  | 46.12  | 29.96        | 6.82    | 7.80 | 8.7        | 2.15            | 82.2  |
| 458      | 9/13/2011 05:31:19 | 15.77  | 46.17  | 29.99        | 6.90    | 7.81 | 7.2        | 2.07            | 83.6  |
| 459      | 9/13/2011 05:46:19 | 15.77  | 46.15  | 29.98        | 6.88    | 7.81 | 8.5        | 1.97            | 83.3  |
| 460      | 9/13/2011 06:01:18 | 16.08  | 46.19  | 30.01        | 6.89    | 7.83 | 7.4        | 1.89            | 83.9  |
| 461      | 9/13/2011 06:16:19 | 16.20  | 46.20  | 30.02        | 6.92    | 7.83 | 10.4       | 1.84            | 84.5  |
| 462      | 9/13/2011 06:31:19 | 16.35  | 46.19  | 30.01        | 6.90    | 7.84 | 5.7        | 1.79            | 84.5  |
| 463      | 9/13/2011 06:46:19 | 16.69  | 46.22  | 30.04        | 6.93    | 7.86 | 5.2        | 1.77            | 85.4  |
| 464      | 9/13/2011 07:01:19 | 16.89  | 46.22  | 30.04        | 6.98    | 7.87 | 4.0        | 1.76            | 86.4  |
| 465      | 9/13/2011 07:16:18 | 16.96  | 46.28  | 30.09        | 6.99    | 7.87 | 4.1        | 1.79            | 86.6  |
| 466      | 9/13/2011 07:31:19 | 16.99  | 46.25  | 30.07        | 6.97    | 7.87 | 4.2        | 1.83            | 86.4  |
| 467      | 9/13/2011 07:46:19 | 17.06  | 46.26  | 30.07        | 6.96    | 7.87 | 4.5        | 1.89            | 86.5  |
| 468      | 9/13/2011 08:01:18 | 17.03  | 46.26  | 30.07        | 6.97    | 7.87 | 4.6        | 1.96            | 86.5  |
| 469      | 9/13/2011 08:16:18 | 16.94  | 46.14  | 29.98        | 6.96    | 7.86 | 5.5        | 2.05            | 86.2  |
| 470      | 9/13/2011 08:31:18 | 16.95  | 46.19  | 30.02        | 6.87    | 7.85 | 7.0        | 2.14            | 85.1  |
| 471      | 9/13/2011 08:46:19 | 16.88  | 46.19  | 30.03        | 6.85    | 7.85 | 8.5        | 2.22            | 84.8  |
| 472      | 9/13/2011 09:01:19 | 16.70  | 46.16  | 30.00        | 6.91    | 7.85 | 7.1        | 2.31            | 85.2  |
| 473      | 9/13/2011 09:16:18 | 16.57  | 46.16  | 30.00        | 6.93    | 7.84 | 6.6        | 2.39            | 85.2  |
| 474      | 9/13/2011 09:31:18 | 16.51  | 46.18  | 30.01        | 6.94    | 7.84 | 6.0        | 2.49            | 85.2  |
| 475      | 9/13/2011 09:46:18 | 16.33  | 46.16  | 30.00        | 7.03    | 7.84 | 6.2        | 2.56            | 86.0  |
| 476      | 9/13/2011 10:01:18 | 16.16  | 46.14  | 29.98        | 7.10    | 7.84 | 6.2        | 2.66            | 86.6  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 477      | 9/13/2011 10:16:19 | 16.00  | 46.15  | 29.98        | 7.17    | 7.84 | 6.6        | 2.74            | 87.1  |
| 478      | 9/13/2011 10:31:19 | 15.78  | 46.14  | 29.97        | 7.21    | 7.83 | 6.7        | 2.83            | 87.3  |
| 479      | 9/13/2011 10:46:19 | 15.52  | 46.10  | 29.94        | 7.26    | 7.83 | 7.0        | 2.92            | 87.3  |
| 480      | 9/13/2011 11:01:19 | 15.33  | 46.12  | 29.95        | 7.34    | 7.83 | 6.9        | 3.00            | 88.1  |
| 481      | 9/13/2011 11:16:19 | 15.21  | 46.10  | 29.94        | 7.41    | 7.83 | 7.5        | 3.09            | 88.7  |
| 482      | 9/13/2011 11:31:19 | 14.89  | 46.08  | 29.91        | 7.61    | 7.84 | 8.8        | 3.18            | 90.4  |
| 483      | 9/13/2011 11:46:19 | 14.48  | 46.05  | 29.88        | 7.90    | 7.85 | 9.0        | 3.26            | 93.1  |
| 484      | 9/13/2011 12:01:18 | 14.11  | 46.02  | 29.85        | 8.15    | 7.86 | 8.9        | 3.34            | 95.3  |
| 485      | 9/13/2011 12:16:18 | 13.65  | 46.05  | 29.86        | 8.42    | 7.87 | 8.7        | 3.42            | 97.6  |
| 486      | 9/13/2011 12:31:19 | 13.37  | 46.05  | 29.85        | 8.69    | 7.89 | 7.1        | 3.49            | 100.0 |
| 487      | 9/13/2011 12:46:19 | 13.13  | 46.06  | 29.85        | 8.92    | 7.90 | 5.9        | 3.55            | 102.2 |
| 488      | 9/13/2011 13:01:19 | 13.02  | 46.03  | 29.83        | 9.00    | 7.91 | 4.8        | 3.59            | 102.9 |
| 489      | 9/13/2011 13:16:19 | 12.79  | 46.07  | 29.85        | 9.05    | 7.91 | 3.9        | 3.64            | 103.0 |
| 490      | 9/13/2011 13:31:19 | 12.67  | 46.09  | 29.86        | 8.97    | 7.91 | 3.2        | 3.65            | 101.8 |
| 491      | 9/13/2011 13:46:19 | 12.72  | 46.06  | 29.84        | 8.91    | 7.90 | 3.5        | 3.64            | 101.2 |
| 492      | 9/13/2011 14:01:19 | 12.80  | 46.01  | 29.80        | 8.94    | 7.91 | 4.0        | 3.61            | 101.8 |
| 493      | 9/13/2011 14:16:18 | 12.90  | 46.00  | 29.80        | 8.96    | 7.91 | 4.8        | 3.55            | 102.2 |
| 494      | 9/13/2011 14:31:19 | 13.55  | 46.07  | 29.87        | 8.89    | 7.92 | 6.3        | 3.48            | 102.8 |
| 495      | 9/13/2011 14:46:19 | 14.23  | 45.99  | 29.83        | 8.88    | 7.92 | 7.6        | 3.39            | 104.1 |
| 496      | 9/13/2011 15:01:19 | 14.36  | 46.07  | 29.90        | 8.86    | 7.92 | 7.5        | 3.28            | 104.2 |
| 497      | 9/13/2011 15:16:19 | 14.49  | 46.00  | 29.84        | 8.87    | 7.93 | 7.9        | 3.17            | 104.5 |
| 498      | 9/13/2011 15:31:19 | 14.79  | 46.10  | 29.92        | 8.78    | 7.92 | 7.5        | 3.07            | 104.1 |
| 499      | 9/13/2011 15:46:18 | 15.11  | 46.08  | 29.91        | 8.66    | 7.93 | 7.9        | 2.96            | 103.4 |
| 500      | 9/13/2011 16:01:19 | 15.28  | 46.04  | 29.89        | 8.96    | 7.93 | 6.8        | 2.85            | 107.3 |
| 501      | 9/13/2011 16:16:19 | 15.68  | 46.15  | 29.98        | 8.79    | 7.93 | 6.9        | 2.75            | 106.2 |
| 502      | 9/13/2011 16:31:19 | 15.74  | 46.13  | 29.97        | 8.68    | 7.93 | 7.1        | 2.65            | 104.9 |
| 503      | 9/13/2011 16:46:19 | 15.93  | 46.15  | 29.98        | 8.08    | 7.90 | 6.9        | 2.54            | 98.1  |
| 504      | 9/13/2011 17:01:18 | 16.13  | 46.09  | 29.94        | 8.18    | 7.91 | 6.5        | 2.43            | 99.7  |
| 505      | 9/13/2011 17:16:18 | 16.19  | 46.03  | 29.90        | 8.48    | 7.94 | 6.4        | 2.32            | 103.5 |
| 506      | 9/13/2011 17:31:19 | 16.19  | 46.14  | 29.98        | 8.43    | 7.93 | 6.4        | 2.22            | 102.8 |
| 507      | 9/13/2011 17:46:19 | 16.15  | 46.13  | 29.97        | 8.46    | 7.94 | 6.2        | 2.12            | 103.1 |
| 508      | 9/13/2011 18:01:19 | 16.09  | 46.13  | 29.97        | 8.71    | 7.95 | 6.2        | 2.01            | 106.1 |
| 509      | 9/13/2011 18:16:19 | 16.19  | 46.14  | 29.98        | 8.62    | 7.95 | 5.8        | 1.92            | 105.2 |
| 510      | 9/13/2011 18:31:19 | 16.12  | 46.10  | 29.95        | 8.78    | 7.96 | 5.7        | 1.85            | 107.0 |
| 511      | 9/13/2011 18:46:19 | 16.22  | 46.14  | 29.98        | 8.52    | 7.95 | 5.4        | 1.79            | 104.1 |
| 512      | 9/13/2011 19:01:19 | 16.29  | 46.14  | 29.98        | 8.33    | 7.94 | 5.4        | 1.74            | 101.9 |
| 513      | 9/13/2011 19:16:18 | 16.59  | 46.08  | 29.94        | 8.11    | 7.93 | 5.1        | 1.72            | 99.7  |
| 514      | 9/13/2011 19:31:18 | 16.21  | 46.09  | 29.94        | 8.48    | 7.95 | 5.5        | 1.73            | 103.5 |
| 515      | 9/13/2011 19:46:19 | 16.94  | 46.18  | 30.01        | 8.04    | 7.93 | 4.6        | 1.74            | 99.7  |
| 516      | 9/13/2011 20:01:19 | 16.96  | 46.19  | 30.02        | 7.98    | 7.93 | 4.6        | 1.79            | 98.9  |
| 517      | 9/13/2011 20:16:19 | 16.99  | 46.23  | 30.05        | 7.95    | 7.92 | 5.0        | 1.85            | 98.6  |
| 518      | 9/13/2011 20:31:19 | 17.06  | 46.22  | 30.05        | 7.99    | 7.92 | 5.2        | 1.92            | 99.2  |
| 519      | 9/13/2011 20:46:18 | 16.99  | 46.17  | 30.01        | 7.95    | 7.92 | 5.7        | 2.02            | 98.5  |
| 520      | 9/13/2011 21:01:19 | 17.09  | 46.18  | 30.01        | 7.85    | 7.91 | 7.0        | 2.10            | 97.5  |
| 521      | 9/13/2011 21:16:19 | 17.12  | 46.17  | 30.01        | 7.77    | 7.90 | 7.8        | 2.18            | 96.6  |
| 522      | 9/13/2011 21:31:19 | 16.81  | 46.14  | 29.99        | 7.88    | 7.90 | 6.7        | 2.26            | 97.3  |
| 523      | 9/13/2011 21:46:18 | 16.67  | 46.12  | 29.97        | 7.89    | 7.90 | 6.4        | 2.35            | 97.2  |
| 524      | 9/13/2011 22:01:18 | 16.57  | 46.10  | 29.96        | 7.90    | 7.90 | 6.2        | 2.43            | 97.1  |
| 525      | 9/13/2011 22:16:18 | 16.36  | 46.14  | 29.98        | 7.81    | 7.88 | 5.9        | 2.50            | 95.7  |
| 526      | 9/13/2011 22:31:18 | 16.20  | 46.11  | 29.95        | 7.73    | 7.88 | 5.9        | 2.60            | 94.4  |
| 527      | 9/13/2011 22:46:18 | 16.09  | 46.09  | 29.94        | 7.69    | 7.87 | 5.7        | 2.68            | 93.7  |
| 528      | 9/13/2011 23:01:18 | 15.96  | 46.08  | 29.93        | 7.63    | 7.86 | 5.8        | 2.75            | 92.7  |
| 529      | 9/13/2011 23:16:19 | 15.74  | 46.13  | 29.96        | 7.66    | 7.86 | 6.1        | 2.83            | 92.7  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%  |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                    |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |      |
| 530      | 9/13/2011 23:31:19 | 15.51  | 46.10  | 29.94        | 7.75    | 7.86 | 6.0        | 2.91            | 93.3 |
| 531      | 9/13/2011 23:46:19 | 15.39  | 46.09  | 29.93        | 7.79    | 7.86 | 6.4        | 2.99            | 93.5 |
| 532      | 9/14/2011 00:01:19 | 15.31  | 46.07  | 29.91        | 7.80    | 7.86 | 6.2        | 3.06            | 93.5 |
| 533      | 9/14/2011 00:16:18 | 14.96  | 45.99  | 29.85        | 7.97    | 7.86 | 6.8        | 3.14            | 94.9 |
| 534      | 9/14/2011 00:31:19 | 14.61  | 46.04  | 29.88        | 8.10    | 7.86 | 7.4        | 3.20            | 95.7 |
| 535      | 9/14/2011 00:46:19 | 14.33  | 46.06  | 29.89        | 8.18    | 7.87 | 6.7        | 3.27            | 96.1 |
| 536      | 9/14/2011 01:01:19 | 14.02  | 46.05  | 29.87        | 8.24    | 7.87 | 5.8        | 3.33            | 96.2 |
| 537      | 9/14/2011 01:16:19 | 13.71  | 46.02  | 29.84        | 8.29    | 7.87 | 5.2        | 3.38            | 96.2 |
| 538      | 9/14/2011 01:31:18 | 13.60  | 45.97  | 29.80        | 8.27    | 7.87 | 5.2        | 3.42            | 95.7 |
| 539      | 9/14/2011 01:46:18 | 13.45  | 46.06  | 29.86        | 8.25    | 7.86 | 3.7        | 3.44            | 95.2 |
| 540      | 9/14/2011 02:01:19 | 13.59  | 46.05  | 29.86        | 8.06    | 7.86 | 4.1        | 3.44            | 93.3 |
| 541      | 9/14/2011 02:16:19 | 13.47  | 46.04  | 29.85        | 8.15    | 7.86 | 15.5       | 3.42            | 94.0 |
| 542      | 9/14/2011 02:31:19 | 13.64  | 46.05  | 29.86        | 8.08    | 7.86 | 22.5       | 3.39            | 93.6 |
| 543      | 9/14/2011 02:46:19 | 14.11  | 46.04  | 29.87        | 7.84    | 7.85 | 70.3       | 3.32            | 91.7 |
| 544      | 9/14/2011 03:01:19 | 14.64  | 46.06  | 29.89        | 7.65    | 7.85 | 27.2       | 3.24            | 90.4 |
| 545      | 9/14/2011 03:16:18 | 14.69  | 46.07  | 29.90        | 7.67    | 7.85 | 92.1       | 3.15            | 90.8 |
| 546      | 9/14/2011 03:31:19 | 14.72  | 46.08  | 29.91        | 7.60    | 7.84 | 176.5      | 3.06            | 90.0 |
| 547      | 9/14/2011 03:46:18 | 14.78  | 46.05  | 29.89        | 7.57    | 7.84 | 64.3       | 2.97            | 89.7 |
| 548      | 9/14/2011 04:01:19 | 15.10  | 46.08  | 29.92        | 7.35    | 7.83 | 78.9       | 2.86            | 87.7 |
| 549      | 9/14/2011 04:16:18 | 15.43  | 46.09  | 29.93        | 7.17    | 7.83 | 59.6       | 2.77            | 86.2 |
| 550      | 9/14/2011 04:31:18 | 15.42  | 46.07  | 29.91        | 7.06    | 7.82 | 85.8       | 2.69            | 84.8 |
| 551      | 9/14/2011 04:46:18 | 15.08  | 46.10  | 29.93        | 7.13    | 7.81 | 29.9       | 2.59            | 85.1 |
| 552      | 9/14/2011 05:01:18 | 15.28  | 46.12  | 29.95        | 7.00    | 7.81 | 6.2        | 2.50            | 83.9 |
| 553      | 9/14/2011 05:16:18 | 15.41  | 46.03  | 29.89        | 6.95    | 7.81 | 6.8        | 2.40            | 83.4 |
| 554      | 9/14/2011 05:31:19 | 15.53  | 46.15  | 29.98        | 6.80    | 7.80 | 7.5        | 2.32            | 81.9 |
| 555      | 9/14/2011 05:46:18 | 15.38  | 46.13  | 29.96        | 6.84    | 7.80 | 8.1        | 2.22            | 82.1 |
| 556      | 9/14/2011 06:01:19 | 15.38  | 46.15  | 29.98        | 6.82    | 7.80 | 8.4        | 2.13            | 81.9 |
| 557      | 9/14/2011 06:16:19 | 15.61  | 46.13  | 29.96        | 6.75    | 7.80 | 7.6        | 2.06            | 81.4 |
| 558      | 9/14/2011 06:31:18 | 15.69  | 45.99  | 29.87        | 6.82    | 7.81 | 6.7        | 1.99            | 82.3 |
| 559      | 9/14/2011 06:46:19 | 15.86  | 46.17  | 29.99        | 6.80    | 7.82 | 6.8        | 1.94            | 82.4 |
| 560      | 9/14/2011 07:01:19 | 15.99  | 46.18  | 30.00        | 6.87    | 7.82 | 5.6        | 1.90            | 83.6 |
| 561      | 9/14/2011 07:16:19 | 16.17  | 46.20  | 30.02        | 6.91    | 7.83 | 5.2        | 1.88            | 84.3 |
| 562      | 9/14/2011 07:31:19 | 16.20  | 46.28  | 30.08        | 6.90    | 7.83 | 4.3        | 1.89            | 84.3 |
| 563      | 9/14/2011 07:46:19 | 16.34  | 46.19  | 30.01        | 6.94    | 7.84 | 4.4        | 1.90            | 85.0 |
| 564      | 9/14/2011 08:01:18 | 16.48  | 46.14  | 29.98        | 6.96    | 7.85 | 4.2        | 1.94            | 85.4 |
| 565      | 9/14/2011 08:16:18 | 16.51  | 46.20  | 30.02        | 6.96    | 7.85 | 4.4        | 1.99            | 85.5 |
| 566      | 9/14/2011 08:31:18 | 16.48  | 46.24  | 30.05        | 6.98    | 7.85 | 4.7        | 2.05            | 85.7 |
| 567      | 9/14/2011 08:46:19 | 16.42  | 46.22  | 30.04        | 6.99    | 7.84 | 5.4        | 2.13            | 85.7 |
| 568      | 9/14/2011 09:01:19 | 16.40  | 46.18  | 30.01        | 6.96    | 7.84 | 7.0        | 2.21            | 85.3 |
| 569      | 9/14/2011 09:16:18 | 16.34  | 46.10  | 29.95        | 6.97    | 7.83 | 7.2        | 2.29            | 85.3 |
| 570      | 9/14/2011 09:31:18 | 16.12  | 46.14  | 29.97        | 7.02    | 7.83 | 7.2        | 2.38            | 85.5 |
| 571      | 9/14/2011 09:46:19 | 16.03  | 46.16  | 29.99        | 7.03    | 7.83 | 6.7        | 2.45            | 85.6 |
| 572      | 9/14/2011 10:01:19 | 16.03  | 46.18  | 30.01        | 7.04    | 7.83 | 5.9        | 2.53            | 85.6 |
| 573      | 9/14/2011 10:16:19 | 15.94  | 46.17  | 29.99        | 7.09    | 7.83 | 6.1        | 2.62            | 86.1 |
| 574      | 9/14/2011 10:31:19 | 15.70  | 46.14  | 29.97        | 7.21    | 7.83 | 6.5        | 2.70            | 87.2 |
| 575      | 9/14/2011 10:46:19 | 15.54  | 46.15  | 29.98        | 7.29    | 7.83 | 6.9        | 2.78            | 87.8 |
| 576      | 9/14/2011 11:01:19 | 15.35  | 46.12  | 29.95        | 7.40    | 7.84 | 7.4        | 2.87            | 88.8 |
| 577      | 9/14/2011 11:16:18 | 15.09  | 46.11  | 29.94        | 7.49    | 7.83 | 7.8        | 2.95            | 89.4 |
| 578      | 9/14/2011 11:31:19 | 14.87  | 46.10  | 29.93        | 7.57    | 7.84 | 8.4        | 3.03            | 90.0 |
| 579      | 9/14/2011 11:46:19 | 14.74  | 46.07  | 29.90        | 7.62    | 7.84 | 6.8        | 3.13            | 90.3 |
| 580      | 9/14/2011 12:01:18 | 14.42  | 46.08  | 29.90        | 7.70    | 7.83 | 7.8        | 3.20            | 90.6 |
| 581      | 9/14/2011 12:16:18 | 14.03  | 45.96  | 29.81        | 7.81    | 7.83 | 8.5        | 3.28            | 91.2 |
| 582      | 9/14/2011 12:31:18 | 13.70  | 46.04  | 29.86        | 7.91    | 7.83 | 7.4        | 3.35            | 91.7 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 583      | 9/14/2011 12:46:19 | 13.24  | 46.08           | 29.87        | 7.99            | 7.84 | 6.7               | 3.43            | 91.8  |
| 584      | 9/14/2011 13:01:19 | 12.97  | 46.05           | 29.84        | 8.05            | 7.84 | 6.1               | 3.50            | 91.9  |
| 585      | 9/14/2011 13:16:19 | 12.81  | 46.09           | 29.86        | 8.06            | 7.84 | 5.5               | 3.55            | 91.7  |
| 586      | 9/14/2011 13:31:19 | 12.65  | 46.03           | 29.82        | 8.09            | 7.84 | 4.6               | 3.59            | 91.7  |
| 587      | 9/14/2011 13:46:19 | 12.55  | 46.08           | 29.84        | 8.08            | 7.84 | 4.5               | 3.63            | 91.5  |
| 588      | 9/14/2011 14:01:19 | 12.54  | 46.07           | 29.84        | 7.97            | 7.84 | 2.9               | 3.64            | 90.3  |
| 589      | 9/14/2011 14:16:19 | 12.70  | 46.08           | 29.85        | 7.98            | 7.84 | 3.9               | 3.62            | 90.6  |
| 590      | 9/14/2011 14:31:19 | 12.68  | 46.05           | 29.83        | 8.00            | 7.84 | 4.5               | 3.58            | 90.8  |
| 591      | 9/14/2011 14:46:19 | 12.80  | 46.10           | 29.87        | 8.00            | 7.84 | 4.3               | 3.53            | 91.1  |
| 592      | 9/14/2011 15:01:18 | 13.67  | 46.01           | 29.83        | 8.24            | 7.87 | 6.2               | 3.45            | 95.5  |
| 593      | 9/14/2011 15:16:19 | 14.20  | 46.06           | 29.88        | 8.53            | 7.90 | 7.0               | 3.36            | 100.0 |
| 594      | 9/14/2011 15:31:19 | 14.36  | 46.07           | 29.90        | 8.59            | 7.90 | 7.8               | 3.26            | 101.0 |
| 595      | 9/14/2011 15:46:19 | 14.54  | 46.07           | 29.90        | 8.68            | 7.91 | 6.8               | 3.15            | 102.5 |
| 596      | 9/14/2011 16:01:19 | 14.91  | 46.12           | 29.94        | 8.43            | 7.91 | 8.0               | 3.06            | 100.3 |
| 597      | 9/14/2011 16:16:19 | 15.33  | 46.09           | 29.93        | 8.47            | 7.91 | 7.5               | 2.94            | 101.6 |
| 598      | 9/14/2011 16:31:19 | 15.42  | 46.10           | 29.94        | 8.55            | 7.93 | 8.3               | 2.83            | 102.7 |
| 599      | 9/14/2011 16:46:19 | 15.69  | 46.12           | 29.96        | 8.46            | 7.93 | 7.8               | 2.74            | 102.2 |
| 600      | 9/14/2011 17:01:19 | 15.79  | 46.14           | 29.97        | 8.84            | 7.94 | 6.7               | 2.63            | 107.0 |
| 601      | 9/14/2011 17:16:19 | 15.94  | 46.14           | 29.98        | 8.77            | 7.94 | 6.0               | 2.52            | 106.5 |
| 602      | 9/14/2011 17:31:19 | 16.10  | 46.15           | 29.99        | 8.86            | 7.95 | 6.1               | 2.41            | 107.9 |
| 603      | 9/14/2011 17:46:19 | 16.08  | 46.15           | 29.99        | 9.03            | 7.96 | 5.9               | 2.32            | 109.9 |
| 604      | 9/14/2011 18:01:19 | 16.13  | 46.11           | 29.96        | 9.03            | 7.96 | 5.6               | 2.21            | 110.1 |
| 605      | 9/14/2011 18:16:19 | 16.08  | 46.13           | 29.97        | 9.08            | 7.96 | 5.3               | 2.09            | 110.5 |
| 606      | 9/14/2011 18:31:19 | 16.17  | 46.14           | 29.98        | 9.00            | 7.96 | 5.6               | 1.99            | 109.8 |
| 607      | 9/14/2011 18:46:19 | 16.19  | 46.14           | 29.98        | 9.13            | 7.97 | 5.5               | 1.91            | 111.4 |
| 608      | 9/14/2011 19:01:19 | 16.21  | 46.10           | 29.95        | 9.20            | 7.98 | 5.4               | 1.83            | 112.3 |
| 609      | 9/14/2011 19:16:18 | 16.30  | 46.11           | 29.96        | 9.09            | 7.98 | 5.2               | 1.75            | 111.1 |
| 610      | 9/14/2011 19:31:18 | 16.46  | 46.14           | 29.98        | 9.01            | 7.98 | 5.1               | 1.70            | 110.5 |
| 611      | 9/14/2011 19:46:18 | 16.58  | 46.12           | 29.97        | 8.81            | 7.96 | 5.2               | 1.67            | 108.3 |
| 612      | 9/14/2011 20:01:19 | 16.67  | 46.20           | 30.03        | 8.65            | 7.95 | 4.8               | 1.66            | 106.6 |
| 613      | 9/14/2011 20:16:18 | 16.46  | 46.12           | 29.96        | 8.91            | 7.97 | 4.8               | 1.68            | 109.3 |
| 614      | 9/14/2011 20:31:19 | 16.82  | 46.21           | 30.03        | 8.71            | 7.96 | 4.3               | 1.71            | 107.6 |
| 615      | 9/14/2011 20:46:18 | 16.91  | 46.23           | 30.05        | 8.72            | 7.96 | 4.3               | 1.77            | 108.0 |
| 616      | 9/14/2011 21:01:19 | 17.10  | 46.26           | 30.08        | 8.77            | 7.96 | 5.4               | 1.84            | 109.0 |
| 617      | 9/14/2011 21:16:19 | 17.00  | 46.23           | 30.05        | 8.69            | 7.95 | 5.0               | 1.91            | 107.8 |
| 618      | 9/14/2011 21:31:19 | 17.15  | 46.17           | 30.01        | 8.40            | 7.92 | 7.4               | 2.00            | 104.5 |
| 619      | 9/14/2011 21:46:19 | 17.19  | 46.14           | 29.99        | 8.28            | 7.91 | 9.5               | 2.08            | 103.1 |
| 620      | 9/14/2011 22:01:19 | 16.95  | 46.16           | 30.00        | 8.35            | 7.92 | 7.0               | 2.16            | 103.5 |
| 621      | 9/14/2011 22:16:19 | 16.79  | 46.13           | 29.98        | 8.36            | 7.91 | 6.4               | 2.24            | 103.2 |
| 622      | 9/14/2011 22:31:19 | 16.71  | 46.17           | 30.00        | 8.33            | 7.91 | 6.2               | 2.32            | 102.8 |
| 623      | 9/14/2011 22:46:19 | 16.57  | 46.17           | 30.01        | 8.33            | 7.91 | 6.0               | 2.39            | 102.4 |
| 624      | 9/14/2011 23:01:18 | 16.27  | 46.07           | 29.93        | 8.06            | 7.89 | 6.1               | 2.48            | 98.5  |
| 625      | 9/14/2011 23:16:18 | 16.16  | 46.11           | 29.96        | 7.94            | 7.88 | 6.1               | 2.55            | 96.9  |
| 626      | 9/14/2011 23:31:18 | 16.06  | 46.10           | 29.95        | 7.85            | 7.87 | 5.6               | 2.63            | 95.5  |
| 627      | 9/14/2011 23:46:19 | 15.91  | 46.14           | 29.98        | 7.78            | 7.86 | 5.9               | 2.70            | 94.4  |
| 628      | 9/15/2011 00:01:19 | 15.64  | 46.09           | 29.93        | 7.80            | 7.86 | 6.5               | 2.77            | 94.1  |
| 629      | 9/15/2011 00:16:19 | 15.44  | 46.11           | 29.95        | 7.83            | 7.86 | 5.8               | 2.85            | 94.2  |
| 630      | 9/15/2011 00:31:19 | 15.34  | 46.08           | 29.92        | 7.83            | 7.86 | 6.0               | 2.92            | 93.9  |
| 631      | 9/15/2011 00:46:18 | 15.28  | 46.04           | 29.89        | 7.82            | 7.86 | 5.9               | 3.00            | 93.6  |
| 632      | 9/15/2011 01:01:18 | 15.06  | 46.06           | 29.90        | 7.85            | 7.85 | 6.7               | 3.06            | 93.7  |
| 633      | 9/15/2011 01:16:19 | 14.71  | 46.08           | 29.91        | 7.92            | 7.85 | 6.3               | 3.13            | 93.8  |
| 634      | 9/15/2011 01:31:19 | 14.45  | 46.06           | 29.89        | 7.95            | 7.85 | 5.8               | 3.19            | 93.6  |
| 635      | 9/15/2011 01:46:18 | 14.21  | 46.01           | 29.85        | 7.95            | 7.84 | 5.6               | 3.23            | 93.2  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%  |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                    |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |      |
| 636      | 9/15/2011 02:01:18 | 13.97  | 45.98  | 29.82        | 7.94    | 7.84 | 4.8        | 3.28            | 92.6 |
| 637      | 9/15/2011 02:16:19 | 13.79  | 46.08  | 29.89        | 7.91    | 7.84 | 4.0        | 3.31            | 92.0 |
| 638      | 9/15/2011 02:31:19 | 13.65  | 46.04  | 29.85        | 7.88    | 7.84 | 3.7        | 3.34            | 91.3 |
| 639      | 9/15/2011 02:46:19 | 13.77  | 46.12  | 29.91        | 7.80    | 7.84 | 4.2        | 3.33            | 90.6 |
| 640      | 9/15/2011 03:01:19 | 13.68  | 46.04  | 29.85        | 7.79    | 7.83 | 4.1        | 3.30            | 90.4 |
| 641      | 9/15/2011 03:16:19 | 13.90  | 46.05  | 29.87        | 7.76    | 7.84 | 4.3        | 3.27            | 90.4 |
| 642      | 9/15/2011 03:31:19 | 14.13  | 46.01  | 29.85        | 7.69    | 7.83 | 4.6        | 3.21            | 89.9 |
| 643      | 9/15/2011 03:46:19 | 14.69  | 46.09  | 29.92        | 7.49    | 7.83 | 6.6        | 3.14            | 88.7 |
| 644      | 9/15/2011 04:01:19 | 14.85  | 46.12  | 29.94        | 7.47    | 7.83 | 6.6        | 3.06            | 88.7 |
| 645      | 9/15/2011 04:16:19 | 14.87  | 46.10  | 29.93        | 7.46    | 7.83 | 6.4        | 2.97            | 88.6 |
| 646      | 9/15/2011 04:31:19 | 14.81  | 46.13  | 29.95        | 7.42    | 7.82 | 5.8        | 2.89            | 88.1 |
| 647      | 9/15/2011 04:46:19 | 15.02  | 46.11  | 29.93        | 7.38    | 7.83 | 5.9        | 2.80            | 88.0 |
| 648      | 9/15/2011 05:01:18 | 15.01  | 46.14  | 29.96        | 7.28    | 7.82 | 5.8        | 2.71            | 86.8 |
| 649      | 9/15/2011 05:16:18 | 15.29  | 46.18  | 29.99        | 7.18    | 7.82 | 5.9        | 2.63            | 86.1 |
| 650      | 9/15/2011 05:31:19 | 15.14  | 46.14  | 29.96        | 7.15    | 7.81 | 6.0        | 2.55            | 85.4 |
| 651      | 9/15/2011 05:46:19 | 15.15  | 46.08  | 29.92        | 7.09    | 7.80 | 6.7        | 2.46            | 84.7 |
| 652      | 9/15/2011 06:01:19 | 15.25  | 46.10  | 29.93        | 7.09    | 7.81 | 7.1        | 2.37            | 84.8 |
| 653      | 9/15/2011 06:16:19 | 15.47  | 46.18  | 30.00        | 6.99    | 7.81 | 7.0        | 2.30            | 84.1 |
| 654      | 9/15/2011 06:31:19 | 15.40  | 46.16  | 29.98        | 7.02    | 7.81 | 6.8        | 2.23            | 84.3 |
| 655      | 9/15/2011 06:46:19 | 15.40  | 46.16  | 29.98        | 7.08    | 7.81 | 11.7       | 2.16            | 85.0 |
| 656      | 9/15/2011 07:01:19 | 15.42  | 46.13  | 29.96        | 7.00    | 7.80 | 6.3        | 2.09            | 84.2 |
| 657      | 9/15/2011 07:16:19 | 15.72  | 46.21  | 30.02        | 7.09    | 7.83 | 6.4        | 2.05            | 85.7 |
| 658      | 9/15/2011 07:31:19 | 16.02  | 46.18  | 30.00        | 7.17    | 7.84 | 4.9        | 2.03            | 87.2 |
| 659      | 9/15/2011 07:46:18 | 16.25  | 46.15  | 29.99        | 7.26    | 7.85 | 3.8        | 2.01            | 88.7 |
| 660      | 9/15/2011 08:01:18 | 16.23  | 46.17  | 30.00        | 7.17    | 7.85 | 3.8        | 1.99            | 87.6 |
| 661      | 9/15/2011 08:16:19 | 16.30  | 46.23  | 30.05        | 7.27    | 7.86 | 4.0        | 2.03            | 89.0 |
| 662      | 9/15/2011 08:31:19 | 16.29  | 46.22  | 30.03        | 7.33    | 7.86 | 3.8        | 2.06            | 89.7 |
| 663      | 9/15/2011 08:46:18 | 16.35  | 46.22  | 30.04        | 7.37    | 7.86 | 3.9        | 2.10            | 90.3 |
| 664      | 9/15/2011 09:01:19 | 16.34  | 46.22  | 30.04        | 7.38    | 7.86 | 4.5        | 2.16            | 90.4 |
| 665      | 9/15/2011 09:16:19 | 16.31  | 46.21  | 30.03        | 7.39    | 7.86 | 4.9        | 2.23            | 90.4 |
| 666      | 9/15/2011 09:31:19 | 16.28  | 46.18  | 30.01        | 7.28    | 7.85 | 6.3        | 2.31            | 89.0 |
| 667      | 9/15/2011 09:46:19 | 16.19  | 46.19  | 30.01        | 7.28    | 7.84 | 7.0        | 2.39            | 88.9 |
| 668      | 9/15/2011 10:01:18 | 16.03  | 46.14  | 29.98        | 7.30    | 7.84 | 6.5        | 2.45            | 88.9 |
| 669      | 9/15/2011 10:16:18 | 15.91  | 46.08  | 29.93        | 7.27    | 7.83 | 5.8        | 2.54            | 88.2 |
| 670      | 9/15/2011 10:31:19 | 15.88  | 46.18  | 30.00        | 7.26    | 7.83 | 5.9        | 2.61            | 88.1 |
| 671      | 9/15/2011 10:46:19 | 15.74  | 46.16  | 29.99        | 7.30    | 7.83 | 5.5        | 2.70            | 88.3 |
| 672      | 9/15/2011 11:01:19 | 15.60  | 46.15  | 29.98        | 7.35    | 7.83 | 5.7        | 2.77            | 88.7 |
| 673      | 9/15/2011 11:16:19 | 15.45  | 46.11  | 29.95        | 7.43    | 7.83 | 5.8        | 2.85            | 89.4 |
| 674      | 9/15/2011 11:31:18 | 15.19  | 46.11  | 29.94        | 7.52    | 7.83 | 5.8        | 2.93            | 90.0 |
| 675      | 9/15/2011 11:46:19 | 14.92  | 46.12  | 29.94        | 7.57    | 7.83 | 6.3        | 3.01            | 90.0 |
| 676      | 9/15/2011 12:01:19 | 14.67  | 46.08  | 29.91        | 7.60    | 7.83 | 6.4        | 3.08            | 90.0 |
| 677      | 9/15/2011 12:16:18 | 14.54  | 46.01  | 29.85        | 7.62    | 7.82 | 6.3        | 3.16            | 89.9 |
| 678      | 9/15/2011 12:31:19 | 14.29  | 46.09  | 29.91        | 7.65    | 7.82 | 7.0        | 3.25            | 89.8 |
| 679      | 9/15/2011 12:46:19 | 13.84  | 46.08  | 29.88        | 7.75    | 7.82 | 7.0        | 3.31            | 90.2 |
| 680      | 9/15/2011 13:01:19 | 13.51  | 46.08  | 29.88        | 7.83    | 7.82 | 6.7        | 3.39            | 90.4 |
| 681      | 9/15/2011 13:16:19 | 13.29  | 46.06  | 29.86        | 7.87    | 7.82 | 5.6        | 3.46            | 90.6 |
| 682      | 9/15/2011 13:31:19 | 13.07  | 46.09  | 29.87        | 7.93    | 7.82 | 5.4        | 3.51            | 90.8 |
| 683      | 9/15/2011 13:46:19 | 12.83  | 46.07  | 29.85        | 7.99    | 7.82 | 4.3        | 3.56            | 91.0 |
| 684      | 9/15/2011 14:01:19 | 12.69  | 46.10  | 29.86        | 8.02    | 7.82 | 4.4        | 3.59            | 91.0 |
| 685      | 9/15/2011 14:16:19 | 12.77  | 46.07  | 29.85        | 8.06    | 7.83 | 6.8        | 3.61            | 91.7 |
| 686      | 9/15/2011 14:31:19 | 12.64  | 46.06  | 29.83        | 8.01    | 7.83 | 5.4        | 3.61            | 90.8 |
| 687      | 9/15/2011 14:46:19 | 12.93  | 46.09  | 29.87        | 7.96    | 7.83 | 5.9        | 3.59            | 90.9 |
| 688      | 9/15/2011 15:01:19 | 13.00  | 46.04  | 29.83        | 7.92    | 7.82 | 4.9        | 3.54            | 90.5 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 689      | 9/15/2011 15:16:18 | 13.39  | 46.02  | 29.83        | 8.01    | 7.84 | 5.4        | 3.47            | 92.3  |
| 690      | 9/15/2011 15:31:19 | 14.41  | 46.07  | 29.90        | 8.43    | 7.89 | 5.6        | 3.40            | 99.3  |
| 691      | 9/15/2011 15:46:19 | 14.45  | 46.08  | 29.91        | 8.51    | 7.89 | 6.1        | 3.30            | 100.2 |
| 692      | 9/15/2011 16:01:19 | 14.50  | 46.07  | 29.90        | 8.45    | 7.89 | 6.7        | 3.21            | 99.7  |
| 693      | 9/15/2011 16:16:19 | 14.52  | 46.10  | 29.92        | 8.73    | 7.91 | 5.7        | 3.11            | 103.0 |
| 694      | 9/15/2011 16:31:19 | 14.86  | 46.08  | 29.91        | 8.71    | 7.91 | 6.8        | 3.00            | 103.5 |
| 695      | 9/15/2011 16:46:19 | 14.88  | 46.09  | 29.92        | 8.94    | 7.93 | 6.8        | 2.91            | 106.3 |
| 696      | 9/15/2011 17:01:19 | 15.47  | 46.14  | 29.97        | 8.87    | 7.92 | 6.8        | 2.81            | 106.7 |
| 697      | 9/15/2011 17:16:19 | 15.57  | 46.12  | 29.96        | 8.77    | 7.94 | 7.1        | 2.70            | 105.7 |
| 698      | 9/15/2011 17:31:19 | 15.86  | 46.12  | 29.96        | 8.71    | 7.94 | 7.3        | 2.60            | 105.6 |
| 699      | 9/15/2011 17:46:19 | 16.05  | 46.15  | 29.98        | 8.89    | 7.95 | 6.5        | 2.49            | 108.2 |
| 700      | 9/15/2011 18:01:19 | 16.21  | 46.14  | 29.98        | 9.03    | 7.95 | 10.0       | 2.39            | 110.2 |
| 701      | 9/15/2011 18:16:19 | 16.17  | 46.15  | 29.99        | 8.93    | 7.95 | 6.5        | 2.30            | 108.9 |
| 702      | 9/15/2011 18:31:19 | 16.14  | 46.16  | 29.99        | 9.21    | 7.97 | 7.3        | 2.17            | 112.3 |
| 703      | 9/15/2011 18:46:19 | 16.17  | 46.10  | 29.95        | 9.07    | 7.96 | 6.0        | 2.07            | 110.6 |
| 704      | 9/15/2011 19:01:18 | 16.17  | 46.11  | 29.95        | 9.18    | 7.96 | 5.7        | 1.99            | 112.0 |
| 705      | 9/15/2011 19:16:19 | 16.10  | 46.17  | 30.00        | 9.18    | 7.97 | 5.5        | 1.88            | 111.8 |
| 706      | 9/15/2011 19:31:19 | 16.19  | 46.14  | 29.98        | 9.08    | 7.97 | 5.3        | 1.80            | 110.8 |
| 707      | 9/15/2011 19:46:19 | 16.21  | 46.14  | 29.98        | 8.93    | 7.96 | 5.8        | 1.74            | 109.0 |
| 708      | 9/15/2011 20:01:19 | 16.43  | 46.20  | 30.03        | 8.93    | 7.97 | 5.3        | 1.68            | 109.5 |
| 709      | 9/15/2011 20:16:19 | 16.61  | 46.21  | 30.03        | 8.82    | 7.96 | 5.4        | 1.64            | 108.6 |
| 710      | 9/15/2011 20:31:19 | 16.81  | 46.23  | 30.05        | 8.88    | 7.96 | 5.4        | 1.65            | 109.7 |
| 711      | 9/15/2011 20:46:19 | 16.75  | 46.19  | 30.02        | 8.72    | 7.96 | 4.5        | 1.64            | 107.6 |
| 712      | 9/15/2011 21:01:19 | 17.14  | 46.24  | 30.06        | 9.19    | 7.99 | 4.0        | 1.66            | 114.4 |
| 713      | 9/15/2011 21:16:18 | 17.01  | 46.19  | 30.03        | 9.22    | 7.98 | 4.1        | 1.72            | 114.4 |
| 714      | 9/15/2011 21:31:19 | 17.08  | 46.26  | 30.07        | 9.22    | 7.99 | 4.6        | 1.77            | 114.6 |
| 715      | 9/15/2011 21:46:19 | 17.06  | 46.25  | 30.07        | 9.23    | 7.98 | 4.4        | 1.83            | 114.7 |
| 716      | 9/15/2011 22:01:19 | 16.97  | 46.23  | 30.06        | 9.09    | 7.97 | 5.6        | 1.91            | 112.7 |
| 717      | 9/15/2011 22:16:19 | 17.22  | 46.13  | 29.98        | 8.70    | 7.94 | 8.9        | 1.98            | 108.3 |
| 718      | 9/15/2011 22:31:19 | 17.19  | 46.10  | 29.96        | 8.67    | 7.93 | 8.7        | 2.07            | 107.9 |
| 719      | 9/15/2011 22:46:19 | 16.98  | 46.16  | 30.00        | 8.69    | 7.93 | 6.7        | 2.14            | 107.7 |
| 720      | 9/15/2011 23:01:19 | 16.78  | 46.15  | 30.00        | 8.64    | 7.93 | 6.0        | 2.20            | 106.7 |
| 721      | 9/15/2011 23:16:18 | 16.71  | 46.15  | 29.99        | 8.61    | 7.93 | 6.2        | 2.29            | 106.2 |
| 722      | 9/15/2011 23:31:19 | 16.54  | 46.17  | 30.00        | 8.54    | 7.92 | 5.7        | 2.37            | 105.0 |
| 723      | 9/15/2011 23:46:19 | 16.21  | 46.14  | 29.98        | 8.20    | 7.89 | 6.0        | 2.44            | 100.1 |
| 724      | 9/16/2011 00:01:19 | 16.11  | 46.15  | 29.99        | 8.06    | 7.88 | 5.9        | 2.51            | 98.2  |
| 725      | 9/16/2011 00:16:19 | 16.00  | 46.14  | 29.97        | 7.97    | 7.87 | 5.7        | 2.59            | 96.9  |
| 726      | 9/16/2011 00:31:19 | 15.90  | 46.15  | 29.98        | 7.87    | 7.86 | 5.7        | 2.67            | 95.5  |
| 727      | 9/16/2011 00:46:19 | 15.71  | 46.14  | 29.97        | 7.86    | 7.86 | 5.8        | 2.74            | 95.0  |
| 728      | 9/16/2011 01:01:19 | 15.52  | 46.12  | 29.95        | 7.85    | 7.86 | 5.9        | 2.80            | 94.5  |
| 729      | 9/16/2011 01:16:19 | 15.37  | 46.11  | 29.95        | 7.85    | 7.85 | 5.3        | 2.87            | 94.3  |
| 730      | 9/16/2011 01:31:19 | 15.30  | 46.12  | 29.95        | 7.83    | 7.85 | 5.6        | 2.94            | 93.9  |
| 731      | 9/16/2011 01:46:19 | 15.15  | 46.02  | 29.88        | 7.84    | 7.85 | 7.9        | 3.00            | 93.7  |
| 732      | 9/16/2011 02:01:19 | 14.84  | 46.07  | 29.90        | 7.88    | 7.85 | 5.8        | 3.04            | 93.6  |
| 733      | 9/16/2011 02:16:19 | 14.65  | 46.02  | 29.87        | 7.89    | 7.84 | 6.0        | 3.11            | 93.3  |
| 734      | 9/16/2011 02:31:18 | 14.48  | 46.05  | 29.88        | 7.87    | 7.84 | 5.1        | 3.14            | 92.8  |
| 735      | 9/16/2011 02:46:19 | 14.46  | 46.05  | 29.88        | 7.83    | 7.84 | 4.3        | 3.17            | 92.3  |
| 736      | 9/16/2011 03:01:18 | 14.42  | 45.96  | 29.82        | 7.77    | 7.83 | 4.6        | 3.20            | 91.5  |
| 737      | 9/16/2011 03:16:19 | 14.17  | 46.16  | 29.95        | 7.78    | 7.83 | 3.5        | 3.21            | 91.1  |
| 738      | 9/16/2011 03:31:19 | 14.17  | 46.06  | 29.88        | 7.72    | 7.82 | 3.8        | 3.20            | 90.4  |
| 739      | 9/16/2011 03:46:19 | 14.50  | 45.98  | 29.83        | 7.74    | 7.84 | 4.6        | 3.18            | 91.2  |
| 740      | 9/16/2011 04:01:19 | 14.72  | 46.05  | 29.89        | 7.64    | 7.84 | 5.0        | 3.13            | 90.5  |
| 741      | 9/16/2011 04:16:19 | 15.25  | 46.14  | 29.97        | 7.30    | 7.81 | 6.8        | 3.07            | 87.4  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 742      | 9/16/2011 04:31:19 | 15.36  | 46.18  | 30.00        | 6.99    | 7.80 | 8.1        | 3.00            | 83.9  |
| 743      | 9/16/2011 04:46:19 | 15.31  | 46.06  | 29.90        | 7.00    | 7.80 | 7.4        | 2.93            | 83.9  |
| 744      | 9/16/2011 05:01:18 | 15.23  | 46.00  | 29.86        | 7.14    | 7.80 | 6.6        | 2.86            | 85.5  |
| 745      | 9/16/2011 05:16:19 | 15.09  | 46.12  | 29.94        | 7.16    | 7.80 | 6.5        | 2.76            | 85.5  |
| 746      | 9/16/2011 05:31:18 | 15.30  | 46.10  | 29.94        | 7.21    | 7.81 | 6.0        | 2.70            | 86.5  |
| 747      | 9/16/2011 05:46:19 | 15.31  | 46.12  | 29.95        | 7.19    | 7.81 | 5.9        | 2.62            | 86.2  |
| 748      | 9/16/2011 06:01:19 | 15.39  | 46.19  | 30.00        | 7.12    | 7.81 | 6.2        | 2.56            | 85.5  |
| 749      | 9/16/2011 06:16:19 | 15.36  | 46.04  | 29.89        | 7.09    | 7.80 | 6.2        | 2.48            | 85.0  |
| 750      | 9/16/2011 06:31:19 | 15.49  | 46.19  | 30.00        | 7.09    | 7.81 | 6.9        | 2.41            | 85.3  |
| 751      | 9/16/2011 06:46:19 | 15.42  | 46.09  | 29.93        | 7.06    | 7.80 | 6.6        | 2.36            | 84.9  |
| 752      | 9/16/2011 07:01:19 | 15.61  | 46.19  | 30.01        | 7.13    | 7.82 | 6.3        | 2.29            | 86.1  |
| 753      | 9/16/2011 07:16:19 | 15.54  | 46.14  | 29.97        | 7.12    | 7.81 | 6.2        | 2.23            | 85.8  |
| 754      | 9/16/2011 07:31:19 | 15.63  | 46.19  | 30.01        | 7.16    | 7.82 | 5.6        | 2.19            | 86.5  |
| 755      | 9/16/2011 07:46:19 | 15.82  | 46.20  | 30.02        | 7.32    | 7.84 | 5.2        | 2.16            | 88.7  |
| 756      | 9/16/2011 08:01:19 | 15.95  | 46.19  | 30.01        | 7.37    | 7.85 | 4.7        | 2.13            | 89.6  |
| 757      | 9/16/2011 08:16:19 | 16.06  | 46.21  | 30.02        | 7.45    | 7.85 | 4.2        | 2.11            | 90.7  |
| 758      | 9/16/2011 08:31:19 | 16.17  | 46.21  | 30.03        | 7.39    | 7.86 | 3.6        | 2.11            | 90.2  |
| 759      | 9/16/2011 08:46:19 | 16.23  | 46.20  | 30.02        | 7.55    | 7.87 | 3.7        | 2.14            | 92.2  |
| 760      | 9/16/2011 09:01:19 | 16.19  | 46.21  | 30.03        | 7.58    | 7.87 | 3.8        | 2.17            | 92.5  |
| 761      | 9/16/2011 09:16:18 | 16.22  | 46.17  | 30.00        | 7.64    | 7.87 | 4.1        | 2.20            | 93.3  |
| 762      | 9/16/2011 09:31:19 | 16.19  | 46.22  | 30.04        | 7.64    | 7.87 | 4.2        | 2.26            | 93.2  |
| 763      | 9/16/2011 09:46:19 | 16.12  | 46.14  | 29.98        | 7.62    | 7.86 | 5.4        | 2.34            | 92.8  |
| 764      | 9/16/2011 10:01:19 | 16.12  | 46.15  | 29.99        | 7.51    | 7.85 | 6.8        | 2.39            | 91.5  |
| 765      | 9/16/2011 10:16:19 | 16.03  | 46.13  | 29.97        | 7.46    | 7.85 | 7.1        | 2.45            | 90.7  |
| 766      | 9/16/2011 10:31:19 | 15.84  | 46.16  | 29.99        | 7.42    | 7.84 | 5.7        | 2.54            | 90.0  |
| 767      | 9/16/2011 10:46:19 | 15.80  | 46.17  | 29.99        | 7.39    | 7.83 | 6.0        | 2.61            | 89.5  |
| 768      | 9/16/2011 11:01:19 | 15.74  | 46.16  | 29.98        | 7.37    | 7.83 | 5.7        | 2.67            | 89.2  |
| 769      | 9/16/2011 11:16:19 | 15.61  | 46.16  | 29.99        | 7.39    | 7.83 | 5.5        | 2.74            | 89.1  |
| 770      | 9/16/2011 11:31:18 | 15.37  | 46.11  | 29.94        | 7.52    | 7.83 | 5.5        | 2.81            | 90.3  |
| 771      | 9/16/2011 11:46:18 | 15.26  | 46.02  | 29.88        | 7.57    | 7.83 | 5.5        | 2.89            | 90.6  |
| 772      | 9/16/2011 12:01:18 | 15.20  | 46.11  | 29.94        | 7.63    | 7.83 | 5.2        | 2.95            | 91.3  |
| 773      | 9/16/2011 12:16:19 | 15.08  | 46.14  | 29.96        | 7.67    | 7.84 | 5.3        | 3.03            | 91.5  |
| 774      | 9/16/2011 12:31:18 | 14.82  | 46.01  | 29.86        | 7.70    | 7.83 | 5.4        | 3.10            | 91.3  |
| 775      | 9/16/2011 12:46:18 | 14.59  | 46.05  | 29.88        | 7.73    | 7.82 | 5.4        | 3.17            | 91.3  |
| 776      | 9/16/2011 13:01:19 | 14.45  | 46.09  | 29.91        | 7.75    | 7.83 | 5.6        | 3.24            | 91.3  |
| 777      | 9/16/2011 13:16:19 | 14.17  | 46.09  | 29.90        | 7.80    | 7.82 | 5.3        | 3.32            | 91.4  |
| 778      | 9/16/2011 13:31:19 | 13.84  | 46.07  | 29.88        | 7.89    | 7.82 | 4.8        | 3.38            | 91.8  |
| 779      | 9/16/2011 13:46:19 | 13.44  | 46.03  | 29.84        | 8.00    | 7.82 | 4.9        | 3.44            | 92.3  |
| 780      | 9/16/2011 14:01:19 | 13.29  | 46.06  | 29.86        | 8.06    | 7.83 | 4.1        | 3.50            | 92.7  |
| 781      | 9/16/2011 14:16:19 | 13.17  | 46.07  | 29.86        | 8.10    | 7.83 | 4.2        | 3.53            | 92.9  |
| 782      | 9/16/2011 14:31:19 | 13.10  | 46.08  | 29.87        | 8.10    | 7.83 | 3.5        | 3.56            | 92.8  |
| 783      | 9/16/2011 14:46:18 | 13.03  | 46.01  | 29.82        | 8.02    | 7.82 | 3.1        | 3.58            | 91.7  |
| 784      | 9/16/2011 15:01:19 | 13.08  | 46.08  | 29.86        | 8.01    | 7.83 | 4.3        | 3.57            | 91.8  |
| 785      | 9/16/2011 15:16:19 | 13.07  | 46.08  | 29.86        | 8.07    | 7.83 | 27.8       | 3.54            | 92.4  |
| 786      | 9/16/2011 15:31:19 | 13.21  | 46.09  | 29.88        | 8.05    | 7.83 | 3.6        | 3.49            | 92.5  |
| 787      | 9/16/2011 15:46:19 | 14.11  | 46.09  | 29.90        | 8.27    | 7.87 | 4.7        | 3.43            | 96.7  |
| 788      | 9/16/2011 16:01:19 | 14.69  | 46.07  | 29.90        | 8.70    | 7.90 | 4.6        | 3.36            | 103.0 |
| 789      | 9/16/2011 16:16:19 | 14.91  | 46.08  | 29.91        | 8.81    | 7.91 | 5.1        | 3.27            | 104.8 |
| 790      | 9/16/2011 16:31:19 | 15.02  | 46.00  | 29.86        | 8.85    | 7.91 | 5.7        | 3.18            | 105.5 |
| 791      | 9/16/2011 16:46:19 | 14.92  | 46.08  | 29.91        | 9.10    | 7.93 | 5.1        | 3.08            | 108.3 |
| 792      | 9/16/2011 17:01:19 | 15.03  | 46.02  | 29.87        | 9.19    | 7.94 | 5.4        | 2.99            | 109.5 |
| 793      | 9/16/2011 17:16:19 | 15.29  | 46.05  | 29.90        | 9.32    | 7.95 | 4.9        | 2.91            | 111.7 |
| 794      | 9/16/2011 17:31:18 | 15.35  | 46.03  | 29.89        | 9.54    | 7.96 | 4.9        | 2.81            | 114.4 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 795      | 9/16/2011 17:46:19 | 15.74  | 46.10  | 29.94        | 9.48    | 7.97 | 5.5        | 2.71            | 114.6 |
| 796      | 9/16/2011 18:01:18 | 15.87  | 46.10  | 29.95        | 9.60    | 7.98 | 5.9        | 2.62            | 116.4 |
| 797      | 9/16/2011 18:16:19 | 16.25  | 46.15  | 29.98        | 9.11    | 7.95 | 6.6        | 2.53            | 111.3 |
| 798      | 9/16/2011 18:31:18 | 16.28  | 46.13  | 29.97        | 9.29    | 7.97 | 6.9        | 2.42            | 113.6 |
| 799      | 9/16/2011 18:46:19 | 16.08  | 46.12  | 29.96        | 9.36    | 7.98 | 6.2        | 2.30            | 113.9 |
| 800      | 9/16/2011 19:01:19 | 16.06  | 46.15  | 29.98        | 9.27    | 7.97 | 6.0        | 2.22            | 112.9 |
| 801      | 9/16/2011 19:16:18 | 15.67  | 46.07  | 29.92        | 9.29    | 7.97 | 5.9        | 2.11            | 112.1 |
| 802      | 9/16/2011 19:31:18 | 15.86  | 46.05  | 29.91        | 9.14    | 7.97 | 6.4        | 2.00            | 110.8 |
| 803      | 9/16/2011 19:46:18 | 15.87  | 46.12  | 29.96        | 8.95    | 7.96 | 6.5        | 1.91            | 108.5 |
| 804      | 9/16/2011 20:01:19 | 16.00  | 46.14  | 29.98        | 8.82    | 7.96 | 7.1        | 1.83            | 107.2 |
| 805      | 9/16/2011 20:16:18 | 16.19  | 46.07  | 29.93        | 8.70    | 7.95 | 8.1        | 1.77            | 106.1 |
| 806      | 9/16/2011 20:31:19 | 16.26  | 46.19  | 30.02        | 8.63    | 7.95 | 7.6        | 1.71            | 105.5 |
| 807      | 9/16/2011 20:46:19 | 16.51  | 46.18  | 30.01        | 8.76    | 7.96 | 7.9        | 1.65            | 107.6 |
| 808      | 9/16/2011 21:01:18 | 16.87  | 46.20  | 30.03        | 8.95    | 7.98 | 7.1        | 1.64            | 110.8 |
| 809      | 9/16/2011 21:16:18 | 17.11  | 46.23  | 30.05        | 9.13    | 8.00 | 5.7        | 1.65            | 113.5 |
| 810      | 9/16/2011 21:31:18 | 17.10  | 46.10  | 29.96        | 9.23    | 8.01 | 6.2        | 1.65            | 114.6 |
| 811      | 9/16/2011 21:46:19 | 17.22  | 46.26  | 30.08        | 9.58    | 8.02 | 6.2        | 1.67            | 119.4 |
| 812      | 9/16/2011 22:01:19 | 17.14  | 46.21  | 30.04        | 9.50    | 8.02 | 5.8        | 1.73            | 118.2 |
| 813      | 9/16/2011 22:16:19 | 17.21  | 46.22  | 30.05        | 9.69    | 8.03 | 5.7        | 1.80            | 120.7 |
| 814      | 9/16/2011 22:31:19 | 17.14  | 46.23  | 30.05        | 9.62    | 8.02 | 5.7        | 1.85            | 119.6 |
| 815      | 9/16/2011 22:46:19 | 17.21  | 46.16  | 30.00        | 9.37    | 8.00 | 6.7        | 1.91            | 116.6 |
| 816      | 9/16/2011 23:01:18 | 17.35  | 46.04  | 29.92        | 9.04    | 7.97 | 7.6        | 2.00            | 112.8 |
| 817      | 9/16/2011 23:16:19 | 17.36  | 46.05  | 29.93        | 8.98    | 7.96 | 8.0        | 2.07            | 112.0 |
| 818      | 9/16/2011 23:31:19 | 17.17  | 46.11  | 29.97        | 9.07    | 7.97 | 10.1       | 2.12            | 112.8 |
| 819      | 9/16/2011 23:46:19 | 17.02  | 46.12  | 29.97        | 9.05    | 7.96 | 6.0        | 2.20            | 112.2 |
| 820      | 9/17/2011 00:01:19 | 16.94  | 46.12  | 29.97        | 9.01    | 7.96 | 6.6        | 2.26            | 111.6 |
| 821      | 9/17/2011 00:16:18 | 16.86  | 46.00  | 29.89        | 9.00    | 7.96 | 6.4        | 2.33            | 111.2 |
| 822      | 9/17/2011 00:31:19 | 16.76  | 46.13  | 29.98        | 8.98    | 7.95 | 11.0       | 2.40            | 110.8 |
| 823      | 9/17/2011 00:46:19 | 16.52  | 46.10  | 29.96        | 8.63    | 7.92 | 7.6        | 2.47            | 106.0 |
| 824      | 9/17/2011 01:01:19 | 16.41  | 46.09  | 29.95        | 8.45    | 7.91 | 6.7        | 2.54            | 103.6 |
| 825      | 9/17/2011 01:16:18 | 16.36  | 46.04  | 29.91        | 8.34    | 7.90 | 7.2        | 2.61            | 102.0 |
| 826      | 9/17/2011 01:31:19 | 16.19  | 46.12  | 29.96        | 8.18    | 7.88 | 7.1        | 2.67            | 99.8  |
| 827      | 9/17/2011 01:46:19 | 16.02  | 46.06  | 29.92        | 8.09    | 7.87 | 6.0        | 2.73            | 98.4  |
| 828      | 9/17/2011 02:01:19 | 15.85  | 46.07  | 29.92        | 8.08    | 7.87 | 6.0        | 2.80            | 97.9  |
| 829      | 9/17/2011 02:16:19 | 15.70  | 46.10  | 29.94        | 8.08    | 7.87 | 5.0        | 2.85            | 97.6  |
| 830      | 9/17/2011 02:31:19 | 15.61  | 46.07  | 29.92        | 8.06    | 7.87 | 4.8        | 2.90            | 97.3  |
| 831      | 9/17/2011 02:46:19 | 15.55  | 46.09  | 29.93        | 8.04    | 7.87 | 4.6        | 2.95            | 96.8  |
| 832      | 9/17/2011 03:01:18 | 15.49  | 45.98  | 29.86        | 8.03    | 7.86 | 4.7        | 3.00            | 96.6  |
| 833      | 9/17/2011 03:16:18 | 15.27  | 45.99  | 29.85        | 8.03    | 7.86 | 4.5        | 3.02            | 96.1  |
| 834      | 9/17/2011 03:31:19 | 15.27  | 46.00  | 29.86        | 7.98    | 7.86 | 4.5        | 3.05            | 95.5  |
| 835      | 9/17/2011 03:46:18 | 15.12  | 46.02  | 29.88        | 7.94    | 7.85 | 4.2        | 3.07            | 94.8  |
| 836      | 9/17/2011 04:01:19 | 15.09  | 45.93  | 29.81        | 7.86    | 7.85 | 3.7        | 3.07            | 93.7  |
| 837      | 9/17/2011 04:16:18 | 15.09  | 46.02  | 29.88        | 7.84    | 7.85 | 4.1        | 3.07            | 93.6  |
| 838      | 9/17/2011 04:31:18 | 15.27  | 45.95  | 29.83        | 7.81    | 7.85 | 4.3        | 3.03            | 93.5  |
| 839      | 9/17/2011 04:46:18 | 15.38  | 46.06  | 29.91        | 7.79    | 7.85 | 4.8        | 3.00            | 93.5  |
| 840      | 9/17/2011 05:01:19 | 15.50  | 46.07  | 29.92        | 7.74    | 7.85 | 5.1        | 2.96            | 93.1  |
| 841      | 9/17/2011 05:16:19 | 15.63  | 46.13  | 29.97        | 7.54    | 7.85 | 6.7        | 2.89            | 91.0  |
| 842      | 9/17/2011 05:31:19 | 15.44  | 46.15  | 29.97        | 7.17    | 7.83 | 8.3        | 2.84            | 86.2  |
| 843      | 9/17/2011 05:46:18 | 15.30  | 46.18  | 29.99        | 6.94    | 7.80 | 8.4        | 2.78            | 83.2  |
| 844      | 9/17/2011 06:01:19 | 15.35  | 46.16  | 29.98        | 6.99    | 7.80 | 8.6        | 2.70            | 83.9  |
| 845      | 9/17/2011 06:16:19 | 15.34  | 46.18  | 29.99        | 7.09    | 7.80 | 8.4        | 2.63            | 85.1  |
| 846      | 9/17/2011 06:31:18 | 15.52  | 46.06  | 29.91        | 7.13    | 7.82 | 8.0        | 2.57            | 85.8  |
| 847      | 9/17/2011 06:46:19 | 15.63  | 46.15  | 29.98        | 7.22    | 7.83 | 7.2        | 2.52            | 87.1  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 848      | 9/17/2011 07:01:19 | 15.70  | 46.18  | 30.00        | 7.27    | 7.84 | 7.0        | 2.45            | 87.8  |
| 849      | 9/17/2011 07:16:18 | 15.67  | 46.13  | 29.96        | 7.29    | 7.84 | 7.7        | 2.40            | 88.1  |
| 850      | 9/17/2011 07:31:18 | 15.68  | 46.12  | 29.96        | 7.36    | 7.84 | 10.8       | 2.35            | 88.9  |
| 851      | 9/17/2011 07:46:19 | 15.74  | 46.17  | 30.00        | 7.42    | 7.85 | 11.0       | 2.31            | 89.8  |
| 852      | 9/17/2011 08:01:19 | 15.91  | 46.16  | 29.99        | 7.59    | 7.87 | 11.7       | 2.27            | 92.1  |
| 853      | 9/17/2011 08:16:19 | 15.99  | 46.19  | 30.01        | 7.69    | 7.88 | 16.3       | 2.23            | 93.5  |
| 854      | 9/17/2011 08:31:19 | 16.09  | 46.17  | 30.00        | 7.77    | 7.89 | 20.9       | 2.24            | 94.7  |
| 855      | 9/17/2011 08:46:18 | 16.15  | 46.15  | 29.99        | 7.77    | 7.89 | 48.4       | 2.23            | 94.8  |
| 856      | 9/17/2011 09:01:18 | 16.22  | 46.13  | 29.97        | 7.87    | 7.90 | 41.3       | 2.22            | 96.1  |
| 857      | 9/17/2011 09:16:19 | 16.29  | 46.20  | 30.03        | 7.97    | 7.90 | 18.1       | 2.24            | 97.5  |
| 858      | 9/17/2011 09:31:19 | 16.21  | 46.17  | 30.00        | 7.90    | 7.89 | 19.1       | 2.29            | 96.5  |
| 859      | 9/17/2011 09:46:19 | 16.23  | 46.18  | 30.01        | 7.92    | 7.89 | 15.9       | 2.32            | 96.8  |
| 860      | 9/17/2011 10:01:18 | 16.20  | 46.14  | 29.98        | 7.85    | 7.89 | 22.2       | 2.35            | 95.8  |
| 861      | 9/17/2011 10:16:18 | 16.22  | 46.15  | 29.99        | 7.88    | 7.88 | 7.9        | 2.41            | 96.2  |
| 862      | 9/17/2011 10:31:19 | 16.17  | 46.18  | 30.01        | 7.83    | 7.88 | 27.6       | 2.48            | 95.5  |
| 863      | 9/17/2011 10:46:19 | 16.14  | 46.14  | 29.98        | 7.76    | 7.87 | 44.3       | 2.53            | 94.6  |
| 864      | 9/17/2011 11:01:19 | 16.08  | 46.17  | 30.00        | 7.76    | 7.87 | 5.9        | 2.58            | 94.5  |
| 865      | 9/17/2011 11:16:19 | 15.96  | 46.14  | 29.98        | 7.71    | 7.86 | 6.0        | 2.65            | 93.7  |
| 866      | 9/17/2011 11:31:19 | 15.86  | 46.14  | 29.97        | 7.68    | 7.86 | 5.8        | 2.71            | 93.1  |
| 867      | 9/17/2011 11:46:19 | 15.79  | 46.12  | 29.96        | 7.68    | 7.85 | 6.0        | 2.77            | 92.9  |
| 868      | 9/17/2011 12:01:18 | 15.59  | 46.05  | 29.91        | 7.70    | 7.85 | 5.0        | 2.83            | 92.8  |
| 869      | 9/17/2011 12:16:18 | 15.46  | 46.05  | 29.90        | 7.83    | 7.85 | 4.9        | 2.90            | 94.1  |
| 870      | 9/17/2011 12:31:18 | 15.36  | 46.05  | 29.90        | 7.88    | 7.85 | 5.3        | 2.96            | 94.5  |
| 871      | 9/17/2011 12:46:19 | 15.28  | 46.08  | 29.92        | 7.89    | 7.85 | 5.1        | 3.03            | 94.6  |
| 872      | 9/17/2011 13:01:19 | 15.17  | 46.08  | 29.92        | 7.94    | 7.85 | 4.3        | 3.09            | 94.9  |
| 873      | 9/17/2011 13:16:19 | 14.86  | 46.06  | 29.90        | 7.96    | 7.84 | 4.6        | 3.16            | 94.6  |
| 874      | 9/17/2011 13:31:19 | 14.66  | 46.00  | 29.85        | 8.00    | 7.84 | 4.5        | 3.23            | 94.6  |
| 875      | 9/17/2011 13:46:19 | 14.41  | 46.06  | 29.89        | 8.03    | 7.84 | 4.5        | 3.28            | 94.5  |
| 876      | 9/17/2011 14:01:19 | 14.22  | 46.03  | 29.86        | 8.07    | 7.84 | 4.2        | 3.34            | 94.6  |
| 877      | 9/17/2011 14:16:19 | 13.97  | 46.02  | 29.85        | 8.14    | 7.84 | 4.2        | 3.40            | 94.9  |
| 878      | 9/17/2011 14:31:19 | 13.82  | 46.05  | 29.86        | 8.22    | 7.85 | 4.2        | 3.44            | 95.6  |
| 879      | 9/17/2011 14:46:19 | 13.71  | 46.00  | 29.82        | 8.26    | 7.85 | 4.1        | 3.48            | 95.8  |
| 880      | 9/17/2011 15:01:19 | 13.61  | 46.03  | 29.85        | 8.28    | 7.85 | 4.6        | 3.50            | 95.8  |
| 881      | 9/17/2011 15:16:18 | 13.93  | 46.03  | 29.85        | 8.35    | 7.86 | 5.2        | 3.52            | 97.3  |
| 882      | 9/17/2011 15:31:19 | 14.05  | 46.04  | 29.87        | 8.22    | 7.85 | 6.7        | 3.52            | 96.0  |
| 883      | 9/17/2011 15:46:18 | 13.82  | 46.01  | 29.84        | 8.10    | 7.84 | 8.8        | 3.48            | 94.2  |
| 884      | 9/17/2011 16:01:19 | 13.81  | 46.05  | 29.86        | 8.13    | 7.84 | 13.8       | 3.46            | 94.5  |
| 885      | 9/17/2011 16:16:19 | 14.40  | 45.84  | 29.73        | 8.30    | 7.87 | 15.3       | 3.40            | 97.6  |
| 886      | 9/17/2011 16:31:18 | 15.30  | 46.02  | 29.88        | 8.77    | 7.91 | 11.8       | 3.34            | 105.0 |
| 887      | 9/17/2011 16:46:18 | 15.45  | 46.02  | 29.88        | 8.86    | 7.92 | 4.9        | 3.26            | 106.5 |
| 888      | 9/17/2011 17:01:19 | 15.43  | 46.04  | 29.89        | 8.79    | 7.92 | 4.8        | 3.18            | 105.6 |
| 889      | 9/17/2011 17:16:19 | 15.58  | 46.01  | 29.87        | 8.97    | 7.93 | 5.3        | 3.10            | 108.1 |
| 890      | 9/17/2011 17:31:19 | 15.75  | 46.05  | 29.91        | 9.12    | 7.94 | 5.3        | 3.02            | 110.2 |
| 891      | 9/17/2011 17:46:19 | 15.77  | 46.02  | 29.89        | 9.30    | 7.95 | 4.8        | 2.92            | 112.5 |
| 892      | 9/17/2011 18:01:19 | 15.58  | 46.06  | 29.91        | 9.68    | 7.97 | 4.8        | 2.84            | 116.7 |
| 893      | 9/17/2011 18:16:19 | 15.96  | 46.03  | 29.89        | 9.89    | 7.99 | 4.9        | 2.74            | 120.1 |
| 894      | 9/17/2011 18:31:19 | 16.11  | 46.02  | 29.89        | 9.89    | 7.99 | 5.4        | 2.66            | 120.4 |
| 895      | 9/17/2011 18:46:19 | 16.33  | 46.06  | 29.93        | 9.82    | 7.99 | 5.7        | 2.57            | 120.1 |
| 896      | 9/17/2011 19:01:19 | 16.16  | 46.07  | 29.93        | 9.73    | 7.98 | 6.5        | 2.46            | 118.7 |
| 897      | 9/17/2011 19:16:18 | 16.19  | 45.97  | 29.85        | 9.72    | 7.99 | 5.6        | 2.37            | 118.6 |
| 898      | 9/17/2011 19:31:19 | 16.22  | 46.04  | 29.91        | 9.73    | 7.99 | 6.0        | 2.28            | 118.7 |
| 899      | 9/17/2011 19:46:19 | 16.13  | 46.06  | 29.92        | 9.55    | 7.98 | 5.7        | 2.17            | 116.4 |
| 900      | 9/17/2011 20:01:18 | 16.42  | 46.05  | 29.92        | 9.44    | 7.98 | 6.3        | 2.07            | 115.7 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 901      | 9/17/2011 20:16:18 | 16.41  | 46.00           | 29.88        | 9.27            | 7.97 | 7.2               | 1.99            | 113.5 |
| 902      | 9/17/2011 20:31:18 | 16.54  | 46.06           | 29.93        | 9.16            | 7.97 | 6.3               | 1.90            | 112.5 |
| 903      | 9/17/2011 20:46:19 | 16.73  | 46.16           | 30.00        | 9.11            | 7.97 | 6.3               | 1.83            | 112.4 |
| 904      | 9/17/2011 21:01:19 | 16.88  | 46.20           | 30.03        | 9.21            | 7.98 | 8.2               | 1.77            | 113.9 |
| 905      | 9/17/2011 21:16:19 | 17.06  | 46.17           | 30.01        | 9.31            | 7.99 | 5.8               | 1.72            | 115.6 |
| 906      | 9/17/2011 21:31:19 | 17.19  | 46.21           | 30.04        | 9.47            | 8.01 | 11.2              | 1.68            | 117.8 |
| 907      | 9/17/2011 21:46:18 | 17.41  | 46.16           | 30.00        | 9.68            | 8.02 | 5.2               | 1.69            | 121.0 |
| 908      | 9/17/2011 22:01:18 | 17.27  | 46.09           | 29.95        | 9.60            | 8.01 | 5.1               | 1.68            | 119.6 |
| 909      | 9/17/2011 22:16:18 | 17.50  | 46.15           | 30.00        | 10.00           | 8.05 | 4.0               | 1.70            | 125.3 |
| 910      | 9/17/2011 22:31:18 | 17.43  | 46.21           | 30.04        | 10.09           | 8.04 | 3.8               | 1.73            | 126.2 |
| 911      | 9/17/2011 22:46:18 | 17.50  | 46.18           | 30.02        | 10.28           | 8.06 | 4.0               | 1.77            | 128.7 |
| 912      | 9/17/2011 23:01:19 | 17.49  | 46.24           | 30.06        | 10.37           | 8.06 | 4.8               | 1.84            | 129.8 |
| 913      | 9/17/2011 23:16:18 | 17.44  | 46.19           | 30.03        | 10.24           | 8.05 | 5.6               | 1.87            | 128.1 |
| 914      | 9/17/2011 23:31:18 | 17.58  | 46.12           | 29.98        | 9.87            | 8.02 | 5.9               | 1.94            | 123.7 |
| 915      | 9/17/2011 23:46:18 | 17.64  | 45.94           | 29.85        | 9.65            | 8.01 | 6.2               | 2.01            | 121.0 |
| 916      | 9/18/2011 00:01:18 | 17.64  | 46.07           | 29.94        | 9.48            | 8.00 | 6.3               | 2.04            | 118.9 |
| 917      | 9/18/2011 00:16:19 | 17.57  | 46.11           | 29.97        | 9.51            | 8.00 | 6.2               | 2.12            | 119.2 |
| 918      | 9/18/2011 00:31:19 | 17.43  | 46.11           | 29.97        | 9.59            | 8.00 | 5.7               | 2.17            | 119.9 |
| 919      | 9/18/2011 00:46:18 | 17.31  | 46.09           | 29.95        | 9.54            | 7.99 | 5.2               | 2.24            | 119.0 |
| 920      | 9/18/2011 01:01:18 | 17.23  | 46.07           | 29.94        | 9.47            | 7.99 | 5.2               | 2.30            | 118.0 |
| 921      | 9/18/2011 01:16:19 | 17.13  | 46.14           | 29.99        | 9.40            | 7.98 | 5.9               | 2.36            | 116.9 |
| 922      | 9/18/2011 01:31:19 | 16.97  | 46.14           | 29.99        | 9.25            | 7.97 | 5.8               | 2.42            | 114.7 |
| 923      | 9/18/2011 01:46:19 | 16.82  | 46.15           | 29.99        | 8.96            | 7.95 | 5.7               | 2.49            | 110.7 |
| 924      | 9/18/2011 02:01:19 | 16.64  | 46.08           | 29.94        | 8.68            | 7.92 | 5.6               | 2.56            | 106.8 |
| 925      | 9/18/2011 02:16:19 | 16.56  | 46.07           | 29.93        | 8.57            | 7.92 | 5.4               | 2.61            | 105.3 |
| 926      | 9/18/2011 02:31:19 | 16.47  | 46.12           | 29.97        | 8.49            | 7.91 | 5.2               | 2.67            | 104.1 |
| 927      | 9/18/2011 02:46:19 | 16.37  | 46.13           | 29.97        | 8.43            | 7.90 | 5.0               | 2.73            | 103.2 |
| 928      | 9/18/2011 03:01:19 | 16.27  | 46.12           | 29.96        | 8.45            | 7.90 | 4.6               | 2.77            | 103.3 |
| 929      | 9/18/2011 03:16:19 | 16.13  | 46.12           | 29.97        | 8.42            | 7.90 | 4.8               | 2.83            | 102.6 |
| 930      | 9/18/2011 03:31:19 | 16.02  | 46.07           | 29.93        | 8.39            | 7.89 | 4.5               | 2.87            | 102.0 |
| 931      | 9/18/2011 03:46:19 | 15.96  | 46.08           | 29.94        | 8.34            | 7.89 | 4.3               | 2.90            | 101.3 |
| 932      | 9/18/2011 04:01:18 | 15.79  | 45.99           | 29.87        | 8.33            | 7.88 | 4.1               | 2.94            | 100.8 |
| 933      | 9/18/2011 04:16:19 | 15.76  | 46.00           | 29.87        | 8.24            | 7.88 | 8.9               | 2.95            | 99.6  |
| 934      | 9/18/2011 04:31:19 | 15.87  | 46.11           | 29.95        | 8.12            | 7.89 | 5.1               | 2.98            | 98.5  |
| 935      | 9/18/2011 04:46:19 | 15.74  | 46.06           | 29.92        | 8.14            | 7.89 | 5.1               | 2.99            | 98.4  |
| 936      | 9/18/2011 05:01:19 | 15.83  | 46.08           | 29.93        | 8.09            | 7.88 | 4.3               | 2.99            | 98.0  |
| 937      | 9/18/2011 05:16:19 | 15.76  | 46.06           | 29.91        | 8.07            | 7.88 | 4.2               | 2.96            | 97.6  |
| 938      | 9/18/2011 05:31:19 | 15.70  | 46.07           | 29.92        | 8.03            | 7.87 | 4.3               | 2.94            | 97.0  |
| 939      | 9/18/2011 05:46:19 | 15.87  | 46.07           | 29.92        | 8.01            | 7.88 | 4.9               | 2.90            | 97.1  |
| 940      | 9/18/2011 06:01:19 | 16.06  | 46.14           | 29.98        | 7.87            | 7.88 | 6.7               | 2.86            | 95.8  |
| 941      | 9/18/2011 06:16:18 | 16.07  | 46.08           | 29.94        | 7.91            | 7.89 | 6.5               | 2.81            | 96.3  |
| 942      | 9/18/2011 06:31:18 | 15.90  | 46.13           | 29.96        | 7.71            | 7.87 | 7.3               | 2.76            | 93.6  |
| 943      | 9/18/2011 06:46:19 | 15.79  | 46.18           | 30.01        | 7.54            | 7.86 | 7.8               | 2.70            | 91.3  |
| 944      | 9/18/2011 07:01:18 | 15.89  | 46.03           | 29.90        | 7.42            | 7.85 | 43.0              | 2.65            | 90.0  |
| 945      | 9/18/2011 07:16:19 | 15.84  | 46.19           | 30.01        | 7.35            | 7.85 | 75.4              | 2.60            | 89.1  |
| 946      | 9/18/2011 07:31:19 | 16.01  | 46.18           | 30.00        | 7.48            | 7.86 | 23.9              | 2.55            | 91.0  |
| 947      | 9/18/2011 07:46:19 | 16.00  | 46.19           | 30.01        | 7.59            | 7.87 | 43.3              | 2.51            | 92.3  |
| 948      | 9/18/2011 08:01:19 | 15.98  | 46.15           | 29.99        | 7.64            | 7.87 | 15.3              | 2.46            | 92.8  |
| 949      | 9/18/2011 08:16:19 | 16.15  | 46.17           | 30.00        | 7.87            | 7.89 | 6.0               | 2.43            | 96.0  |
| 950      | 9/18/2011 08:31:19 | 16.29  | 46.15           | 29.99        | 8.03            | 7.90 | 5.1               | 2.40            | 98.2  |
| 951      | 9/18/2011 08:46:18 | 16.46  | 46.07           | 29.93        | 8.25            | 7.92 | 13.4              | 2.38            | 101.2 |
| 952      | 9/18/2011 09:01:18 | 16.56  | 46.14           | 29.98        | 8.33            | 7.93 | 3.8               | 2.36            | 102.4 |
| 953      | 9/18/2011 09:16:18 | 16.58  | 46.13           | 29.98        | 8.36            | 7.93 | 5.3               | 2.35            | 102.8 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 954      | 9/18/2011 09:31:19 | 16.59  | 46.19  | 30.02        | 8.30    | 7.93 | 5.6        | 2.36            | 102.1 |
| 955      | 9/18/2011 09:46:19 | 16.57  | 46.18  | 30.01        | 8.24    | 7.92 | 5.7        | 2.37            | 101.4 |
| 956      | 9/18/2011 10:01:19 | 16.53  | 46.14  | 29.98        | 8.22    | 7.92 | 4.4        | 2.39            | 101.0 |
| 957      | 9/18/2011 10:16:19 | 16.55  | 46.16  | 29.99        | 8.18    | 7.91 | 4.5        | 2.42            | 100.6 |
| 958      | 9/18/2011 10:31:18 | 16.51  | 46.12  | 29.97        | 8.16    | 7.91 | 5.1        | 2.47            | 100.3 |
| 959      | 9/18/2011 10:46:19 | 16.49  | 46.13  | 29.98        | 8.09    | 7.91 | 5.9        | 2.49            | 99.3  |
| 960      | 9/18/2011 11:01:19 | 16.41  | 46.07  | 29.93        | 8.09    | 7.90 | 5.2        | 2.55            | 99.1  |
| 961      | 9/18/2011 11:16:19 | 16.41  | 46.14  | 29.98        | 8.05    | 7.90 | 5.2        | 2.60            | 98.7  |
| 962      | 9/18/2011 11:31:19 | 16.36  | 46.11  | 29.96        | 8.05    | 7.89 | 5.4        | 2.65            | 98.6  |
| 963      | 9/18/2011 11:46:19 | 16.27  | 46.06  | 29.92        | 8.04    | 7.89 | 4.8        | 2.70            | 98.3  |
| 964      | 9/18/2011 12:01:19 | 16.19  | 46.12  | 29.96        | 8.05    | 7.89 | 5.1        | 2.75            | 98.3  |
| 965      | 9/18/2011 12:16:19 | 16.02  | 46.01  | 29.88        | 8.03    | 7.88 | 5.2        | 2.81            | 97.7  |
| 966      | 9/18/2011 12:31:19 | 15.89  | 46.03  | 29.89        | 8.04    | 7.87 | 5.1        | 2.86            | 97.5  |
| 967      | 9/18/2011 12:46:19 | 15.74  | 46.01  | 29.88        | 8.17    | 7.88 | 4.3        | 2.92            | 98.7  |
| 968      | 9/18/2011 13:01:19 | 15.53  | 46.04  | 29.89        | 8.25    | 7.88 | 4.5        | 2.98            | 99.3  |
| 969      | 9/18/2011 13:16:19 | 15.42  | 45.97  | 29.85        | 8.23    | 7.87 | 6.3        | 3.03            | 98.8  |
| 970      | 9/18/2011 13:31:18 | 15.29  | 45.98  | 29.85        | 8.23    | 7.87 | 4.1        | 3.08            | 98.6  |
| 971      | 9/18/2011 13:46:19 | 15.19  | 46.02  | 29.88        | 8.28    | 7.87 | 4.0        | 3.15            | 99.0  |
| 972      | 9/18/2011 14:01:19 | 14.91  | 46.01  | 29.86        | 8.24    | 7.87 | 3.7        | 3.20            | 98.0  |
| 973      | 9/18/2011 14:16:19 | 14.76  | 46.01  | 29.86        | 8.24    | 7.87 | 3.7        | 3.26            | 97.7  |
| 974      | 9/18/2011 14:31:19 | 14.64  | 45.97  | 29.83        | 8.28    | 7.86 | 3.4        | 3.30            | 97.8  |
| 975      | 9/18/2011 14:46:19 | 14.56  | 46.01  | 29.86        | 8.31    | 7.87 | 3.6        | 3.36            | 98.1  |
| 976      | 9/18/2011 15:01:19 | 14.49  | 46.03  | 29.86        | 8.31    | 7.87 | 3.5        | 3.39            | 97.9  |
| 977      | 9/18/2011 15:16:19 | 14.35  | 46.01  | 29.85        | 8.29    | 7.86 | 3.1        | 3.43            | 97.4  |
| 978      | 9/18/2011 15:31:19 | 14.19  | 46.06  | 29.88        | 8.31    | 7.87 | 2.9        | 3.46            | 97.3  |
| 979      | 9/18/2011 15:46:19 | 14.18  | 46.00  | 29.84        | 8.23    | 7.87 | 2.6        | 3.47            | 96.4  |
| 980      | 9/18/2011 16:01:18 | 14.41  | 45.96  | 29.82        | 8.19    | 7.86 | 4.3        | 3.48            | 96.4  |
| 981      | 9/18/2011 16:16:18 | 14.20  | 45.98  | 29.82        | 8.20    | 7.86 | 3.7        | 3.47            | 96.1  |
| 982      | 9/18/2011 16:31:18 | 14.29  | 45.99  | 29.83        | 8.22    | 7.86 | 2.9        | 3.44            | 96.5  |
| 983      | 9/18/2011 16:46:18 | 14.45  | 45.93  | 29.80        | 8.16    | 7.86 | 2.9        | 3.40            | 96.1  |
| 984      | 9/18/2011 17:01:19 | 15.69  | 45.88  | 29.79        | 8.65    | 7.93 | 6.2        | 3.35            | 104.4 |
| 985      | 9/18/2011 17:16:19 | 15.62  | 46.04  | 29.90        | 8.81    | 7.93 | 4.1        | 3.28            | 106.2 |
| 986      | 9/18/2011 17:31:19 | 15.62  | 45.99  | 29.86        | 8.73    | 7.92 | 4.9        | 3.21            | 105.2 |
| 987      | 9/18/2011 17:46:19 | 15.64  | 46.05  | 29.90        | 8.71    | 7.92 | 4.8        | 3.13            | 105.1 |
| 988      | 9/18/2011 18:01:19 | 15.45  | 46.04  | 29.90        | 8.69    | 7.91 | 4.5        | 3.06            | 104.4 |
| 989      | 9/18/2011 18:16:18 | 15.45  | 45.88  | 29.78        | 8.68    | 7.91 | 4.3        | 2.97            | 104.3 |
| 990      | 9/18/2011 18:31:18 | 15.32  | 45.94  | 29.82        | 8.74    | 7.91 | 4.2        | 2.89            | 104.7 |
| 991      | 9/18/2011 18:46:19 | 15.73  | 46.02  | 29.89        | 8.82    | 7.93 | 4.5        | 2.81            | 106.6 |
| 992      | 9/18/2011 19:01:19 | 15.72  | 46.01  | 29.87        | 8.85    | 7.93 | 5.2        | 2.73            | 107.0 |
| 993      | 9/18/2011 19:16:19 | 15.74  | 46.04  | 29.90        | 8.80    | 7.93 | 5.3        | 2.64            | 106.4 |
| 994      | 9/18/2011 19:31:19 | 16.07  | 45.97  | 29.85        | 8.80    | 7.94 | 6.0        | 2.56            | 107.0 |
| 995      | 9/18/2011 19:46:19 | 16.15  | 46.06  | 29.92        | 8.76    | 7.94 | 5.6        | 2.47            | 106.8 |
| 996      | 9/18/2011 20:01:18 | 16.32  | 45.98  | 29.86        | 8.67    | 7.94 | 5.9        | 2.38            | 106.0 |
| 997      | 9/18/2011 20:16:18 | 15.96  | 46.01  | 29.88        | 8.45    | 7.91 | 6.3        | 2.29            | 102.5 |
| 998      | 9/18/2011 20:31:19 | 16.25  | 46.12  | 29.96        | 8.52    | 7.93 | 6.5        | 2.19            | 104.1 |
| 999      | 9/18/2011 20:46:19 | 16.55  | 46.13  | 29.98        | 8.63    | 7.95 | 6.7        | 2.11            | 106.0 |
| 1000     | 9/18/2011 21:01:19 | 16.54  | 46.14  | 29.99        | 8.47    | 7.94 | 6.6        | 2.03            | 104.1 |
| 1001     | 9/18/2011 21:16:19 | 16.66  | 46.16  | 30.00        | 8.50    | 7.94 | 6.4        | 1.96            | 104.7 |
| 1002     | 9/18/2011 21:31:19 | 16.76  | 46.18  | 30.01        | 8.58    | 7.95 | 5.6        | 1.88            | 105.9 |
| 1003     | 9/18/2011 21:46:19 | 16.97  | 46.15  | 30.00        | 8.75    | 7.98 | 5.7        | 1.83            | 108.4 |
| 1004     | 9/18/2011 22:01:19 | 17.09  | 46.21  | 30.04        | 8.83    | 7.98 | 5.2        | 1.80            | 109.8 |
| 1005     | 9/18/2011 22:16:19 | 17.42  | 46.25  | 30.07        | 9.28    | 8.02 | 4.7        | 1.76            | 116.1 |
| 1006     | 9/18/2011 22:31:19 | 17.46  | 46.24  | 30.06        | 9.24    | 8.02 | 8.4        | 1.74            | 115.6 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 1007     | 9/18/2011 22:46:19 | 17.47  | 46.25  | 30.07        | 9.19    | 8.02 | 5.1        | 1.74            | 115.0 |
| 1008     | 9/18/2011 23:01:18 | 17.44  | 46.19  | 30.03        | 9.19    | 8.02 | 3.8        | 1.75            | 115.0 |
| 1009     | 9/18/2011 23:16:18 | 17.48  | 46.20  | 30.03        | 9.49    | 8.04 | 4.1        | 1.76            | 118.8 |
| 1010     | 9/18/2011 23:31:19 | 17.45  | 46.20  | 30.04        | 9.49    | 8.04 | 4.6        | 1.80            | 118.7 |
| 1011     | 9/18/2011 23:46:19 | 17.50  | 46.27  | 30.08        | 9.70    | 8.05 | 4.3        | 1.84            | 121.5 |
| 1012     | 9/19/2011 00:01:19 | 17.47  | 46.20  | 30.03        | 9.73    | 8.05 | 4.5        | 1.88            | 121.8 |
| 1013     | 9/19/2011 00:16:19 | 17.44  | 46.26  | 30.08        | 9.64    | 8.05 | 4.8        | 1.93            | 120.7 |
| 1014     | 9/19/2011 00:31:19 | 17.44  | 46.21  | 30.04        | 9.53    | 8.03 | 5.3        | 1.99            | 119.2 |
| 1015     | 9/19/2011 00:46:18 | 17.57  | 46.06  | 29.93        | 9.12    | 8.01 | 6.3        | 2.03            | 114.2 |
| 1016     | 9/19/2011 01:01:19 | 17.56  | 46.13  | 29.98        | 9.05    | 8.00 | 6.2        | 2.08            | 113.4 |
| 1017     | 9/19/2011 01:16:19 | 17.54  | 46.02  | 29.91        | 9.03    | 8.00 | 7.2        | 2.14            | 113.0 |
| 1018     | 9/19/2011 01:31:19 | 17.51  | 46.13  | 29.98        | 9.04    | 8.00 | 6.6        | 2.20            | 113.3 |
| 1019     | 9/19/2011 01:46:19 | 17.42  | 46.15  | 30.00        | 9.11    | 8.00 | 6.0        | 2.26            | 113.9 |
| 1020     | 9/19/2011 02:01:19 | 17.33  | 46.13  | 29.98        | 9.07    | 7.99 | 5.9        | 2.30            | 113.1 |
| 1021     | 9/19/2011 02:16:19 | 17.23  | 46.14  | 29.99        | 9.07    | 7.99 | 5.5        | 2.37            | 113.0 |
| 1022     | 9/19/2011 02:31:19 | 17.12  | 46.14  | 29.99        | 8.98    | 7.97 | 6.2        | 2.43            | 111.6 |
| 1023     | 9/19/2011 02:46:19 | 17.04  | 46.14  | 29.99        | 8.88    | 7.97 | 6.3        | 2.49            | 110.1 |
| 1024     | 9/19/2011 03:01:19 | 16.85  | 46.15  | 30.00        | 8.70    | 7.94 | 5.5        | 2.54            | 107.5 |
| 1025     | 9/19/2011 03:16:19 | 16.76  | 46.10  | 29.96        | 8.53    | 7.93 | 7.1        | 2.59            | 105.3 |
| 1026     | 9/19/2011 03:31:18 | 16.64  | 46.12  | 29.97        | 8.45    | 7.92 | 7.5        | 2.64            | 104.0 |
| 1027     | 9/19/2011 03:46:18 | 16.46  | 46.03  | 29.90        | 8.39    | 7.91 | 8.3        | 2.69            | 102.9 |
| 1028     | 9/19/2011 04:01:18 | 16.35  | 46.10  | 29.95        | 8.37    | 7.91 | 4.9        | 2.73            | 102.5 |
| 1029     | 9/19/2011 04:16:19 | 16.32  | 46.12  | 29.96        | 8.35    | 7.91 | 4.3        | 2.78            | 102.2 |
| 1030     | 9/19/2011 04:31:18 | 16.22  | 46.10  | 29.95        | 8.37    | 7.91 | 4.1        | 2.82            | 102.2 |
| 1031     | 9/19/2011 04:46:19 | 16.09  | 46.08  | 29.93        | 8.31    | 7.90 | 4.2        | 2.84            | 101.2 |
| 1032     | 9/19/2011 05:01:19 | 16.01  | 46.02  | 29.89        | 8.30    | 7.90 | 6.3        | 2.86            | 100.8 |
| 1033     | 9/19/2011 05:16:19 | 15.97  | 46.04  | 29.90        | 8.27    | 7.90 | 4.1        | 2.89            | 100.5 |
| 1034     | 9/19/2011 05:31:19 | 15.94  | 46.05  | 29.91        | 8.19    | 7.90 | 3.8        | 2.90            | 99.4  |
| 1035     | 9/19/2011 05:46:19 | 16.17  | 46.05  | 29.91        | 8.18    | 7.90 | 5.2        | 2.90            | 99.7  |
| 1036     | 9/19/2011 06:01:19 | 15.90  | 45.95  | 29.84        | 8.17    | 7.89 | 4.0        | 2.91            | 99.1  |
| 1037     | 9/19/2011 06:16:19 | 15.95  | 45.99  | 29.87        | 8.05    | 7.89 | 5.6        | 2.90            | 97.7  |
| 1038     | 9/19/2011 06:31:19 | 15.90  | 46.01  | 29.88        | 8.03    | 7.89 | 4.0        | 2.88            | 97.4  |
| 1039     | 9/19/2011 06:46:19 | 16.04  | 46.12  | 29.96        | 7.89    | 7.88 | 10.1       | 2.85            | 95.9  |
| 1040     | 9/19/2011 07:01:19 | 16.24  | 46.13  | 29.97        | 7.86    | 7.89 | 6.0        | 2.82            | 96.0  |
| 1041     | 9/19/2011 07:16:19 | 16.29  | 46.07  | 29.93        | 7.81    | 7.88 | 9.0        | 2.80            | 95.5  |
| 1042     | 9/19/2011 07:31:18 | 16.35  | 46.06  | 29.92        | 7.72    | 7.88 | 7.3        | 2.74            | 94.4  |
| 1043     | 9/19/2011 07:46:19 | 16.42  | 46.13  | 29.97        | 7.77    | 7.89 | 6.8        | 2.70            | 95.3  |
| 1044     | 9/19/2011 08:01:19 | 16.47  | 46.11  | 29.96        | 7.53    | 7.88 | 6.4        | 2.67            | 92.4  |
| 1045     | 9/19/2011 08:16:18 | 16.47  | 46.03  | 29.90        | 7.45    | 7.88 | 9.0        | 2.63            | 91.4  |
| 1046     | 9/19/2011 08:31:18 | 16.48  | 46.08  | 29.94        | 7.57    | 7.88 | 7.0        | 2.58            | 92.8  |
| 1047     | 9/19/2011 08:46:18 | 16.49  | 46.05  | 29.92        | 7.49    | 7.88 | 7.8        | 2.55            | 91.9  |
| 1048     | 9/19/2011 09:01:19 | 16.55  | 46.13  | 29.98        | 7.58    | 7.89 | 6.2        | 2.53            | 93.2  |
| 1049     | 9/19/2011 09:16:18 | 16.64  | 46.11  | 29.96        | 7.73    | 7.90 | 5.4        | 2.50            | 95.2  |
| 1050     | 9/19/2011 09:31:19 | 16.72  | 46.12  | 29.97        | 7.79    | 7.91 | 6.7        | 2.48            | 96.1  |
| 1051     | 9/19/2011 09:46:19 | 16.74  | 46.16  | 30.00        | 7.80    | 7.91 | 5.7        | 2.49            | 96.3  |
| 1052     | 9/19/2011 10:01:19 | 16.76  | 46.17  | 30.01        | 7.86    | 7.91 | 4.6        | 2.46            | 97.0  |
| 1053     | 9/19/2011 10:16:19 | 16.63  | 46.15  | 29.99        | 7.62    | 7.89 | 5.6        | 2.47            | 93.8  |
| 1054     | 9/19/2011 10:31:19 | 16.70  | 46.08  | 29.94        | 7.77    | 7.90 | 4.5        | 2.47            | 95.8  |
| 1055     | 9/19/2011 10:46:19 | 16.70  | 46.13  | 29.98        | 7.92    | 7.91 | 4.5        | 2.52            | 97.7  |
| 1056     | 9/19/2011 11:01:19 | 16.65  | 46.14  | 29.99        | 7.91    | 7.90 | 5.4        | 2.53            | 97.4  |
| 1057     | 9/19/2011 11:16:19 | 16.60  | 46.14  | 29.99        | 8.00    | 7.90 | 4.7        | 2.54            | 98.4  |
| 1058     | 9/19/2011 11:31:19 | 16.57  | 46.13  | 29.98        | 8.00    | 7.90 | 4.8        | 2.58            | 98.4  |
| 1059     | 9/19/2011 11:46:19 | 16.50  | 46.08  | 29.94        | 7.92    | 7.89 | 5.8        | 2.64            | 97.3  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1060     | 9/19/2011 12:01:19 | 16.38  | 46.10  | 29.95        | 8.03    | 7.90 | 4.8        | 2.66            | 98.4  |
| 1061     | 9/19/2011 12:16:18 | 16.48  | 46.00  | 29.88        | 8.07    | 7.90 | 4.7        | 2.69            | 99.0  |
| 1062     | 9/19/2011 12:31:19 | 16.39  | 46.12  | 29.97        | 8.06    | 7.89 | 4.5        | 2.75            | 98.7  |
| 1063     | 9/19/2011 12:46:19 | 16.21  | 46.09  | 29.94        | 8.06    | 7.89 | 4.5        | 2.80            | 98.4  |
| 1064     | 9/19/2011 13:01:19 | 16.11  | 46.08  | 29.93        | 8.02    | 7.88 | 5.5        | 2.83            | 97.7  |
| 1065     | 9/19/2011 13:16:19 | 15.87  | 46.04  | 29.90        | 7.98    | 7.87 | 4.3        | 2.90            | 96.7  |
| 1066     | 9/19/2011 13:31:19 | 15.64  | 46.05  | 29.90        | 8.02    | 7.87 | 4.0        | 2.94            | 96.7  |
| 1067     | 9/19/2011 13:46:19 | 15.58  | 45.97  | 29.85        | 8.07    | 7.87 | 4.2        | 2.98            | 97.2  |
| 1068     | 9/19/2011 14:01:19 | 15.47  | 46.01  | 29.87        | 8.20    | 7.88 | 3.8        | 3.03            | 98.6  |
| 1069     | 9/19/2011 14:16:19 | 15.33  | 45.98  | 29.85        | 8.26    | 7.88 | 3.7        | 3.09            | 99.0  |
| 1070     | 9/19/2011 14:31:18 | 15.25  | 45.96  | 29.83        | 8.31    | 7.88 | 3.5        | 3.15            | 99.4  |
| 1071     | 9/19/2011 14:46:18 | 15.17  | 45.88  | 29.78        | 8.31    | 7.88 | 3.5        | 3.17            | 99.2  |
| 1072     | 9/19/2011 15:01:18 | 14.89  | 46.00  | 29.86        | 8.26    | 7.87 | 3.3        | 3.23            | 98.1  |
| 1073     | 9/19/2011 15:16:19 | 14.71  | 46.03  | 29.88        | 8.20    | 7.87 | 3.4        | 3.27            | 97.1  |
| 1074     | 9/19/2011 15:31:19 | 14.61  | 46.01  | 29.86        | 8.21    | 7.87 | 3.1        | 3.32            | 97.0  |
| 1075     | 9/19/2011 15:46:19 | 14.48  | 46.00  | 29.85        | 8.20    | 7.87 | 2.9        | 3.35            | 96.6  |
| 1076     | 9/19/2011 16:01:19 | 14.38  | 45.93  | 29.79        | 8.22    | 7.87 | 3.1        | 3.37            | 96.6  |
| 1077     | 9/19/2011 16:16:19 | 14.53  | 45.81  | 29.71        | 8.18    | 7.88 | 3.2        | 3.40            | 96.4  |
| 1078     | 9/19/2011 16:31:19 | 14.59  | 46.05  | 29.89        | 8.23    | 7.88 | 2.6        | 3.42            | 97.2  |
| 1079     | 9/19/2011 16:46:19 | 14.78  | 46.02  | 29.87        | 8.13    | 7.87 | 4.0        | 3.41            | 96.4  |
| 1080     | 9/19/2011 17:01:19 | 14.45  | 46.04  | 29.88        | 8.05    | 7.86 | 4.8        | 3.41            | 94.8  |
| 1081     | 9/19/2011 17:16:19 | 14.45  | 45.98  | 29.83        | 8.12    | 7.86 | 2.9        | 3.37            | 95.6  |
| 1082     | 9/19/2011 17:31:19 | 14.56  | 46.00  | 29.85        | 8.06    | 7.86 | 2.8        | 3.35            | 95.1  |
| 1083     | 9/19/2011 17:46:19 | 14.95  | 45.95  | 29.82        | 8.13    | 7.88 | 3.2        | 3.31            | 96.8  |
| 1084     | 9/19/2011 18:01:19 | 15.33  | 46.00  | 29.86        | 8.38    | 7.90 | 3.5        | 3.25            | 100.4 |
| 1085     | 9/19/2011 18:16:18 | 15.87  | 45.96  | 29.84        | 8.88    | 7.94 | 7.8        | 3.19            | 107.7 |
| 1086     | 9/19/2011 18:31:19 | 16.15  | 45.99  | 29.87        | 8.97    | 7.96 | 4.0        | 3.13            | 109.3 |
| 1087     | 9/19/2011 18:46:19 | 16.24  | 45.95  | 29.84        | 8.96    | 7.96 | 4.0        | 3.06            | 109.3 |
| 1088     | 9/19/2011 19:01:19 | 16.32  | 45.95  | 29.84        | 9.08    | 7.96 | 7.2        | 2.98            | 111.1 |
| 1089     | 9/19/2011 19:16:19 | 16.27  | 46.04  | 29.91        | 9.23    | 7.97 | 4.3        | 2.92            | 112.7 |
| 1090     | 9/19/2011 19:31:19 | 16.22  | 46.05  | 29.91        | 9.04    | 7.96 | 4.5        | 2.85            | 110.4 |
| 1091     | 9/19/2011 19:46:19 | 16.28  | 45.99  | 29.87        | 8.98    | 7.95 | 4.9        | 2.76            | 109.7 |
| 1092     | 9/19/2011 20:01:18 | 16.45  | 45.93  | 29.83        | 9.03    | 7.96 | 5.0        | 2.68            | 110.6 |
| 1093     | 9/19/2011 20:16:19 | 16.62  | 46.11  | 29.96        | 9.08    | 7.97 | 5.1        | 2.62            | 111.7 |
| 1094     | 9/19/2011 20:31:19 | 16.75  | 46.10  | 29.96        | 9.17    | 7.98 | 6.1        | 2.53            | 113.1 |
| 1095     | 9/19/2011 20:46:19 | 16.74  | 46.09  | 29.95        | 8.99    | 7.97 | 5.5        | 2.45            | 110.9 |
| 1096     | 9/19/2011 21:01:19 | 16.85  | 46.08  | 29.94        | 9.01    | 7.97 | 5.7        | 2.36            | 111.3 |
| 1097     | 9/19/2011 21:16:19 | 16.88  | 46.12  | 29.97        | 8.93    | 7.97 | 5.4        | 2.29            | 110.4 |
| 1098     | 9/19/2011 21:31:19 | 17.01  | 46.13  | 29.98        | 8.89    | 7.98 | 5.3        | 2.20            | 110.2 |
| 1099     | 9/19/2011 21:46:19 | 16.89  | 46.12  | 29.97        | 8.65    | 7.96 | 6.2        | 2.11            | 107.0 |
| 1100     | 9/19/2011 22:01:19 | 16.95  | 46.15  | 29.99        | 8.70    | 7.96 | 6.1        | 2.04            | 107.7 |
| 1101     | 9/19/2011 22:16:19 | 17.26  | 46.14  | 29.99        | 8.80    | 7.99 | 5.4        | 1.97            | 109.6 |
| 1102     | 9/19/2011 22:31:19 | 17.32  | 46.16  | 30.00        | 8.83    | 7.99 | 5.0        | 1.91            | 110.1 |
| 1103     | 9/19/2011 22:46:19 | 17.56  | 46.18  | 30.02        | 9.09    | 8.02 | 4.6        | 1.84            | 114.0 |
| 1104     | 9/19/2011 23:01:19 | 17.77  | 46.23  | 30.06        | 9.31    | 8.04 | 4.3        | 1.80            | 117.2 |
| 1105     | 9/19/2011 23:16:18 | 17.79  | 46.16  | 30.01        | 9.24    | 8.04 | 9.0        | 1.78            | 116.4 |
| 1106     | 9/19/2011 23:31:18 | 17.92  | 46.19  | 30.03        | 9.48    | 8.05 | 7.7        | 1.74            | 119.7 |
| 1107     | 9/19/2011 23:46:18 | 17.93  | 46.23  | 30.06        | 9.35    | 8.05 | 9.1        | 1.75            | 118.0 |
| 1108     | 9/20/2011 00:01:19 | 17.80  | 46.24  | 30.07        | 9.22    | 8.04 | 4.0        | 1.75            | 116.2 |
| 1109     | 9/20/2011 00:16:19 | 17.88  | 46.23  | 30.06        | 9.48    | 8.06 | 3.5        | 1.77            | 119.6 |
| 1110     | 9/20/2011 00:31:19 | 17.85  | 46.24  | 30.07        | 9.57    | 8.06 | 3.7        | 1.81            | 120.7 |
| 1111     | 9/20/2011 00:46:19 | 17.88  | 46.24  | 30.06        | 9.68    | 8.06 | 4.6        | 1.83            | 122.1 |
| 1112     | 9/20/2011 01:01:19 | 17.86  | 46.25  | 30.07        | 9.68    | 8.06 | 4.2        | 1.88            | 122.1 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 1113     | 9/20/2011 01:16:19 | 17.82  | 46.17  | 30.02        | 9.66    | 8.06 | 4.0        | 1.93            | 121.7 |
| 1114     | 9/20/2011 01:31:19 | 17.84  | 46.17  | 30.01        | 9.42    | 8.04 | 5.8        | 1.96            | 118.7 |
| 1115     | 9/20/2011 01:46:19 | 17.94  | 46.09  | 29.96        | 9.10    | 8.02 | 5.6        | 2.02            | 114.9 |
| 1116     | 9/20/2011 02:01:19 | 17.89  | 46.12  | 29.98        | 9.17    | 8.02 | 5.4        | 2.07            | 115.6 |
| 1117     | 9/20/2011 02:16:18 | 17.88  | 46.06  | 29.93        | 9.09    | 8.02 | 5.5        | 2.11            | 114.6 |
| 1118     | 9/20/2011 02:31:18 | 17.83  | 46.11  | 29.97        | 9.16    | 8.01 | 5.6        | 2.16            | 115.4 |
| 1119     | 9/20/2011 02:46:19 | 17.78  | 46.08  | 29.95        | 9.21    | 8.01 | 5.2        | 2.22            | 115.9 |
| 1120     | 9/20/2011 03:01:19 | 17.72  | 46.14  | 29.99        | 9.18    | 8.01 | 5.1        | 2.28            | 115.4 |
| 1121     | 9/20/2011 03:16:19 | 17.65  | 46.14  | 29.99        | 9.15    | 8.01 | 5.1        | 2.33            | 114.9 |
| 1122     | 9/20/2011 03:31:19 | 17.54  | 46.15  | 30.00        | 9.06    | 7.99 | 5.7        | 2.38            | 113.5 |
| 1123     | 9/20/2011 03:46:19 | 17.28  | 46.11  | 29.97        | 8.91    | 7.97 | 5.3        | 2.44            | 111.1 |
| 1124     | 9/20/2011 04:01:19 | 17.16  | 46.14  | 29.99        | 8.77    | 7.96 | 5.1        | 2.50            | 109.0 |
| 1125     | 9/20/2011 04:16:19 | 17.04  | 46.13  | 29.98        | 8.65    | 7.95 | 4.8        | 2.54            | 107.3 |
| 1126     | 9/20/2011 04:31:18 | 16.91  | 46.01  | 29.89        | 8.54    | 7.93 | 4.9        | 2.61            | 105.6 |
| 1127     | 9/20/2011 04:46:18 | 16.78  | 46.03  | 29.91        | 8.48    | 7.93 | 4.7        | 2.65            | 104.6 |
| 1128     | 9/20/2011 05:01:19 | 16.68  | 46.12  | 29.97        | 8.44    | 7.92 | 4.5        | 2.69            | 104.0 |
| 1129     | 9/20/2011 05:16:18 | 16.57  | 46.00  | 29.88        | 8.46    | 7.92 | 3.8        | 2.73            | 104.0 |
| 1130     | 9/20/2011 05:31:18 | 16.54  | 46.07  | 29.93        | 8.47    | 7.92 | 4.0        | 2.77            | 104.0 |
| 1131     | 9/20/2011 05:46:19 | 16.46  | 46.11  | 29.96        | 8.47    | 7.92 | 4.2        | 2.80            | 104.0 |
| 1132     | 9/20/2011 06:01:19 | 16.30  | 46.10  | 29.95        | 8.43    | 7.91 | 3.7        | 2.84            | 103.1 |
| 1133     | 9/20/2011 06:16:19 | 16.21  | 46.06  | 29.92        | 8.35    | 7.91 | 3.7        | 2.86            | 101.9 |
| 1134     | 9/20/2011 06:31:18 | 16.16  | 46.04  | 29.91        | 8.32    | 7.91 | 4.3        | 2.89            | 101.5 |
| 1135     | 9/20/2011 06:46:19 | 16.13  | 46.08  | 29.94        | 8.25    | 7.91 | 3.3        | 2.91            | 100.6 |
| 1136     | 9/20/2011 07:01:19 | 16.08  | 46.08  | 29.94        | 8.11    | 7.90 | 3.8        | 2.91            | 98.7  |
| 1137     | 9/20/2011 07:16:19 | 16.14  | 46.09  | 29.94        | 8.15    | 7.90 | 3.9        | 2.92            | 99.4  |
| 1138     | 9/20/2011 07:31:19 | 16.09  | 46.07  | 29.93        | 8.06    | 7.89 | 4.0        | 2.91            | 98.2  |
| 1139     | 9/20/2011 07:46:19 | 16.10  | 45.90  | 29.80        | 8.08    | 7.90 | 3.2        | 2.90            | 98.3  |
| 1140     | 9/20/2011 08:01:19 | 16.10  | 45.91  | 29.81        | 8.08    | 7.90 | 3.6        | 2.88            | 98.4  |
| 1141     | 9/20/2011 08:16:19 | 16.24  | 46.02  | 29.90        | 8.06    | 7.90 | 3.8        | 2.85            | 98.4  |
| 1142     | 9/20/2011 08:31:19 | 16.47  | 45.98  | 29.87        | 7.89    | 7.90 | 4.9        | 2.81            | 96.7  |
| 1143     | 9/20/2011 08:46:19 | 16.64  | 46.03  | 29.90        | 7.80    | 7.90 | 5.6        | 2.77            | 95.9  |
| 1144     | 9/20/2011 09:01:19 | 16.66  | 46.13  | 29.97        | 7.74    | 7.91 | 5.2        | 2.74            | 95.3  |
| 1145     | 9/20/2011 09:16:19 | 16.67  | 46.16  | 30.00        | 7.66    | 7.90 | 5.1        | 2.70            | 94.4  |
| 1146     | 9/20/2011 09:31:19 | 16.69  | 46.11  | 29.96        | 7.68    | 7.90 | 4.9        | 2.67            | 94.6  |
| 1147     | 9/20/2011 09:46:19 | 16.70  | 46.13  | 29.97        | 7.71    | 7.90 | 4.9        | 2.63            | 95.0  |
| 1148     | 9/20/2011 10:01:18 | 16.76  | 46.09  | 29.95        | 7.68    | 7.90 | 10.6       | 2.61            | 94.8  |
| 1149     | 9/20/2011 10:16:19 | 16.82  | 46.16  | 30.00        | 7.81    | 7.91 | 5.7        | 2.59            | 96.5  |
| 1150     | 9/20/2011 10:31:19 | 16.89  | 46.17  | 30.01        | 7.88    | 7.92 | 5.1        | 2.56            | 97.5  |
| 1151     | 9/20/2011 10:46:18 | 17.01  | 46.07  | 29.94        | 8.07    | 7.93 | 4.3        | 2.55            | 100.1 |
| 1152     | 9/20/2011 11:01:18 | 17.06  | 46.08  | 29.95        | 8.10    | 7.94 | 4.8        | 2.56            | 100.5 |
| 1153     | 9/20/2011 11:16:19 | 17.17  | 46.16  | 30.00        | 8.14    | 7.94 | 4.7        | 2.55            | 101.3 |
| 1154     | 9/20/2011 11:31:19 | 17.06  | 46.16  | 30.00        | 8.02    | 7.93 | 6.2        | 2.54            | 99.5  |
| 1155     | 9/20/2011 11:46:18 | 17.03  | 46.07  | 29.94        | 8.03    | 7.93 | 4.5        | 2.56            | 99.6  |
| 1156     | 9/20/2011 12:01:19 | 16.96  | 46.17  | 30.01        | 8.05    | 7.92 | 4.3        | 2.58            | 99.7  |
| 1157     | 9/20/2011 12:16:19 | 16.90  | 46.17  | 30.01        | 8.03    | 7.92 | 4.7        | 2.60            | 99.3  |
| 1158     | 9/20/2011 12:31:19 | 16.89  | 46.16  | 30.00        | 8.05    | 7.92 | 5.1        | 2.63            | 99.6  |
| 1159     | 9/20/2011 12:46:19 | 16.87  | 46.14  | 29.99        | 8.11    | 7.92 | 4.9        | 2.66            | 100.3 |
| 1160     | 9/20/2011 13:01:19 | 16.77  | 46.11  | 29.96        | 8.15    | 7.92 | 5.1        | 2.70            | 100.5 |
| 1161     | 9/20/2011 13:16:18 | 16.69  | 46.04  | 29.91        | 8.18    | 7.91 | 6.5        | 2.74            | 100.8 |
| 1162     | 9/20/2011 13:31:18 | 16.67  | 46.08  | 29.94        | 8.25    | 7.91 | 6.0        | 2.78            | 101.6 |
| 1163     | 9/20/2011 13:46:19 | 16.56  | 46.10  | 29.95        | 8.22    | 7.91 | 4.3        | 2.81            | 101.0 |
| 1164     | 9/20/2011 14:01:18 | 16.41  | 46.01  | 29.88        | 8.18    | 7.90 | 4.0        | 2.85            | 100.2 |
| 1165     | 9/20/2011 14:16:19 | 16.17  | 46.08  | 29.94        | 8.13    | 7.89 | 4.2        | 2.90            | 99.2  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1166     | 9/20/2011 14:31:19 | 15.88  | 46.05  | 29.91        | 8.09    | 7.88 | 4.0        | 2.93            | 98.1  |
| 1167     | 9/20/2011 14:46:19 | 15.70  | 46.09  | 29.93        | 8.12    | 7.88 | 4.0        | 2.98            | 98.1  |
| 1168     | 9/20/2011 15:01:18 | 15.57  | 45.92  | 29.81        | 8.17    | 7.88 | 3.6        | 3.03            | 98.4  |
| 1169     | 9/20/2011 15:16:19 | 15.44  | 46.03  | 29.89        | 8.20    | 7.88 | 3.7        | 3.07            | 98.6  |
| 1170     | 9/20/2011 15:31:19 | 15.51  | 46.06  | 29.91        | 8.36    | 7.89 | 3.2        | 3.14            | 100.7 |
| 1171     | 9/20/2011 15:46:19 | 15.39  | 46.01  | 29.87        | 8.33    | 7.89 | 2.9        | 3.18            | 100.0 |
| 1172     | 9/20/2011 16:01:19 | 14.93  | 46.00  | 29.86        | 8.10    | 7.86 | 4.5        | 3.23            | 96.3  |
| 1173     | 9/20/2011 16:16:19 | 14.72  | 46.03  | 29.87        | 8.12    | 7.86 | 3.5        | 3.27            | 96.1  |
| 1174     | 9/20/2011 16:31:19 | 14.88  | 45.91  | 29.79        | 8.19    | 7.87 | 3.3        | 3.31            | 97.3  |
| 1175     | 9/20/2011 16:46:19 | 15.05  | 46.08  | 29.92        | 8.34    | 7.88 | 2.7        | 3.33            | 99.5  |
| 1176     | 9/20/2011 17:01:19 | 15.16  | 46.02  | 29.87        | 8.33    | 7.89 | 3.1        | 3.34            | 99.5  |
| 1177     | 9/20/2011 17:16:19 | 14.98  | 45.86  | 29.75        | 8.32    | 7.88 | 2.6        | 3.38            | 99.0  |
| 1178     | 9/20/2011 17:31:18 | 14.86  | 45.99  | 29.85        | 8.16    | 7.87 | 3.2        | 3.38            | 96.9  |
| 1179     | 9/20/2011 17:46:19 | 14.97  | 45.98  | 29.84        | 8.06    | 7.87 | 4.9        | 3.38            | 95.9  |
| 1180     | 9/20/2011 18:01:19 | 14.80  | 46.01  | 29.86        | 7.93    | 7.86 | 3.2        | 3.38            | 94.1  |
| 1181     | 9/20/2011 18:16:19 | 14.55  | 46.02  | 29.86        | 7.99    | 7.86 | 2.6        | 3.36            | 94.3  |
| 1182     | 9/20/2011 18:31:19 | 14.69  | 45.99  | 29.84        | 7.99    | 7.86 | 2.6        | 3.33            | 94.6  |
| 1183     | 9/20/2011 18:46:19 | 14.87  | 45.97  | 29.83        | 8.03    | 7.86 | 3.2        | 3.29            | 95.3  |
| 1184     | 9/20/2011 19:01:18 | 15.39  | 45.90  | 29.79        | 8.29    | 7.89 | 4.5        | 3.25            | 99.4  |
| 1185     | 9/20/2011 19:16:19 | 15.46  | 45.95  | 29.83        | 8.39    | 7.90 | 3.6        | 3.20            | 100.9 |
| 1186     | 9/20/2011 19:31:19 | 15.97  | 46.01  | 29.88        | 8.75    | 7.94 | 6.2        | 3.13            | 106.2 |
| 1187     | 9/20/2011 19:46:19 | 16.32  | 46.02  | 29.89        | 8.95    | 7.97 | 4.5        | 3.05            | 109.5 |
| 1188     | 9/20/2011 20:01:19 | 16.42  | 45.97  | 29.86        | 8.89    | 7.96 | 4.5        | 2.98            | 108.9 |
| 1189     | 9/20/2011 20:16:19 | 16.61  | 46.03  | 29.91        | 9.04    | 7.98 | 4.6        | 2.92            | 111.2 |
| 1190     | 9/20/2011 20:31:19 | 16.64  | 46.04  | 29.91        | 8.96    | 7.97 | 4.6        | 2.84            | 110.3 |
| 1191     | 9/20/2011 20:46:19 | 16.60  | 46.02  | 29.90        | 8.82    | 7.96 | 4.6        | 2.77            | 108.4 |
| 1192     | 9/20/2011 21:01:19 | 16.40  | 46.04  | 29.91        | 8.71    | 7.95 | 4.5        | 2.69            | 106.7 |
| 1193     | 9/20/2011 21:16:19 | 16.56  | 46.05  | 29.92        | 8.65    | 7.95 | 4.6        | 2.61            | 106.3 |
| 1194     | 9/20/2011 21:31:18 | 16.78  | 45.98  | 29.87        | 8.67    | 7.96 | 4.6        | 2.54            | 106.9 |
| 1195     | 9/20/2011 21:46:19 | 16.80  | 46.08  | 29.94        | 8.61    | 7.96 | 4.8        | 2.45            | 106.3 |
| 1196     | 9/20/2011 22:01:18 | 16.78  | 46.10  | 29.95        | 8.60    | 7.95 | 5.1        | 2.37            | 106.2 |
| 1197     | 9/20/2011 22:16:18 | 16.93  | 46.09  | 29.95        | 8.62    | 7.96 | 5.2        | 2.30            | 106.7 |
| 1198     | 9/20/2011 22:31:19 | 16.98  | 46.13  | 29.98        | 8.54    | 7.96 | 5.4        | 2.20            | 105.8 |
| 1199     | 9/20/2011 22:46:19 | 17.10  | 46.13  | 29.98        | 8.52    | 7.97 | 5.6        | 2.12            | 105.8 |
| 1200     | 9/20/2011 23:01:19 | 17.28  | 46.14  | 29.99        | 8.58    | 7.97 | 5.4        | 2.04            | 107.0 |
| 1201     | 9/20/2011 23:16:18 | 17.25  | 46.08  | 29.94        | 8.49    | 7.97 | 5.3        | 1.98            | 105.8 |
| 1202     | 9/20/2011 23:31:18 | 17.49  | 46.14  | 29.99        | 8.62    | 7.99 | 5.0        | 1.92            | 107.9 |
| 1203     | 9/20/2011 23:46:18 | 17.62  | 46.15  | 30.00        | 8.76    | 8.00 | 4.8        | 1.86            | 109.9 |
| 1204     | 9/21/2011 00:01:18 | 17.76  | 46.20  | 30.04        | 8.82    | 8.01 | 4.5        | 1.81            | 111.1 |
| 1205     | 9/21/2011 00:16:19 | 17.95  | 46.25  | 30.08        | 9.07    | 8.04 | 6.4        | 1.79            | 114.6 |
| 1206     | 9/21/2011 00:31:19 | 18.04  | 46.21  | 30.04        | 9.16    | 8.05 | 4.0        | 1.76            | 116.0 |
| 1207     | 9/21/2011 00:46:18 | 18.09  | 46.26  | 30.08        | 9.20    | 8.05 | 3.9        | 1.75            | 116.5 |
| 1208     | 9/21/2011 01:01:19 | 18.07  | 46.27  | 30.09        | 8.89    | 8.04 | 4.4        | 1.75            | 112.6 |
| 1209     | 9/21/2011 01:16:19 | 18.04  | 46.20  | 30.04        | 9.33    | 8.06 | 3.5        | 1.77            | 118.0 |
| 1210     | 9/21/2011 01:31:19 | 18.03  | 46.27  | 30.08        | 9.32    | 8.06 | 3.5        | 1.77            | 118.0 |
| 1211     | 9/21/2011 01:46:19 | 17.98  | 46.24  | 30.07        | 9.28    | 8.05 | 4.2        | 1.82            | 117.3 |
| 1212     | 9/21/2011 02:01:19 | 18.02  | 46.24  | 30.07        | 9.47    | 8.06 | 3.8        | 1.85            | 119.8 |
| 1213     | 9/21/2011 02:16:19 | 18.00  | 46.25  | 30.08        | 9.47    | 8.06 | 3.9        | 1.89            | 119.8 |
| 1214     | 9/21/2011 02:31:19 | 17.97  | 46.26  | 30.08        | 9.42    | 8.05 | 4.3        | 1.94            | 119.1 |
| 1215     | 9/21/2011 02:46:19 | 18.03  | 46.18  | 30.02        | 9.18    | 8.04 | 5.7        | 1.98            | 116.1 |
| 1216     | 9/21/2011 03:01:19 | 18.02  | 46.17  | 30.01        | 9.11    | 8.03 | 6.7        | 2.04            | 115.2 |
| 1217     | 9/21/2011 03:16:19 | 18.01  | 46.11  | 29.97        | 8.96    | 8.02 | 5.9        | 2.08            | 113.3 |
| 1218     | 9/21/2011 03:31:18 | 17.98  | 46.08  | 29.95        | 8.93    | 8.01 | 6.0        | 2.15            | 112.8 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1219     | 9/21/2011 03:46:19 | 17.90  | 46.13  | 29.99        | 9.01    | 8.01 | 5.1        | 2.21            | 113.6 |
| 1220     | 9/21/2011 04:01:19 | 17.83  | 46.14  | 29.99        | 9.02    | 8.01 | 4.9        | 2.26            | 113.6 |
| 1221     | 9/21/2011 04:16:18 | 17.74  | 46.09  | 29.96        | 8.96    | 8.00 | 5.4        | 2.32            | 112.6 |
| 1222     | 9/21/2011 04:31:19 | 17.53  | 46.11  | 29.97        | 8.78    | 7.98 | 5.9        | 2.39            | 109.9 |
| 1223     | 9/21/2011 04:46:19 | 17.34  | 46.11  | 29.97        | 8.65    | 7.97 | 5.4        | 2.45            | 108.0 |
| 1224     | 9/21/2011 05:01:19 | 17.21  | 46.15  | 29.99        | 8.56    | 7.96 | 5.1        | 2.50            | 106.6 |
| 1225     | 9/21/2011 05:16:18 | 17.04  | 46.07  | 29.94        | 8.43    | 7.94 | 4.9        | 2.56            | 104.6 |
| 1226     | 9/21/2011 05:31:18 | 16.90  | 46.11  | 29.96        | 8.35    | 7.93 | 5.0        | 2.62            | 103.3 |
| 1227     | 9/21/2011 05:46:18 | 16.82  | 46.08  | 29.94        | 8.35    | 7.93 | 4.3        | 2.67            | 103.2 |
| 1228     | 9/21/2011 06:01:19 | 16.74  | 46.11  | 29.96        | 8.36    | 7.93 | 4.2        | 2.73            | 103.2 |
| 1229     | 9/21/2011 06:16:19 | 16.67  | 46.09  | 29.95        | 8.37    | 7.93 | 4.3        | 2.77            | 103.0 |
| 1230     | 9/21/2011 06:31:19 | 16.55  | 46.10  | 29.95        | 8.33    | 7.92 | 4.6        | 2.81            | 102.4 |
| 1231     | 9/21/2011 06:46:19 | 16.34  | 46.09  | 29.95        | 8.26    | 7.91 | 4.2        | 2.86            | 101.1 |
| 1232     | 9/21/2011 07:01:19 | 16.19  | 46.07  | 29.93        | 8.24    | 7.91 | 4.1        | 2.90            | 100.6 |
| 1233     | 9/21/2011 07:16:19 | 16.09  | 46.08  | 29.94        | 8.20    | 7.90 | 4.0        | 2.93            | 99.9  |
| 1234     | 9/21/2011 07:31:19 | 15.99  | 46.09  | 29.94        | 8.14    | 7.90 | 5.4        | 2.96            | 98.9  |
| 1235     | 9/21/2011 07:46:19 | 15.94  | 46.11  | 29.95        | 8.10    | 7.90 | 14.4       | 2.99            | 98.3  |
| 1236     | 9/21/2011 08:01:19 | 15.65  | 46.12  | 29.96        | 8.11    | 7.89 | 4.2        | 3.00            | 97.9  |
| 1237     | 9/21/2011 08:16:19 | 15.98  | 46.01  | 29.88        | 8.05    | 7.90 | 3.8        | 3.02            | 97.8  |
| 1238     | 9/21/2011 08:31:19 | 15.76  | 46.08  | 29.93        | 7.88    | 7.88 | 4.3        | 3.01            | 95.3  |
| 1239     | 9/21/2011 08:46:19 | 15.65  | 46.00  | 29.87        | 7.92    | 7.88 | 17.0       | 3.01            | 95.5  |
| 1240     | 9/21/2011 09:01:19 | 15.80  | 46.01  | 29.88        | 7.91    | 7.89 | 14.8       | 2.98            | 95.7  |
| 1241     | 9/21/2011 09:16:19 | 16.03  | 46.09  | 29.94        | 7.94    | 7.90 | 4.4        | 2.94            | 96.5  |
| 1242     | 9/21/2011 09:31:18 | 16.32  | 46.05  | 29.92        | 7.94    | 7.90 | 5.6        | 2.91            | 97.1  |
| 1243     | 9/21/2011 09:46:18 | 16.47  | 46.09  | 29.94        | 8.02    | 7.91 | 4.9        | 2.88            | 98.4  |
| 1244     | 9/21/2011 10:01:18 | 16.60  | 46.09  | 29.95        | 7.85    | 7.91 | 5.7        | 2.83            | 96.5  |
| 1245     | 9/21/2011 10:16:18 | 16.65  | 46.14  | 29.98        | 7.77    | 7.91 | 5.1        | 2.79            | 95.7  |
| 1246     | 9/21/2011 10:31:18 | 16.61  | 46.17  | 30.00        | 7.66    | 7.90 | 5.0        | 2.75            | 94.3  |
| 1247     | 9/21/2011 10:46:19 | 16.63  | 46.16  | 29.99        | 7.73    | 7.90 | 9.8        | 2.72            | 95.1  |
| 1248     | 9/21/2011 11:01:19 | 16.70  | 46.20  | 30.03        | 7.84    | 7.91 | 4.6        | 2.68            | 96.7  |
| 1249     | 9/21/2011 11:16:19 | 16.79  | 46.17  | 30.01        | 7.99    | 7.92 | 4.6        | 2.65            | 98.6  |
| 1250     | 9/21/2011 11:31:19 | 16.86  | 46.16  | 30.00        | 8.02    | 7.92 | 4.6        | 2.63            | 99.1  |
| 1251     | 9/21/2011 11:46:19 | 16.97  | 46.16  | 30.00        | 7.97    | 7.93 | 3.7        | 2.63            | 98.8  |
| 1252     | 9/21/2011 12:01:19 | 17.01  | 46.16  | 30.00        | 7.75    | 7.92 | 3.6        | 2.61            | 96.1  |
| 1253     | 9/21/2011 12:16:19 | 17.07  | 46.16  | 30.00        | 7.93    | 7.92 | 3.4        | 2.58            | 98.5  |
| 1254     | 9/21/2011 12:31:18 | 17.13  | 46.04  | 29.91        | 8.12    | 7.93 | 3.8        | 2.60            | 100.9 |
| 1255     | 9/21/2011 12:46:19 | 17.06  | 46.18  | 30.02        | 8.05    | 7.93 | 4.5        | 2.59            | 100.0 |
| 1256     | 9/21/2011 13:01:19 | 17.07  | 46.18  | 30.01        | 8.09    | 7.93 | 3.7        | 2.60            | 100.5 |
| 1257     | 9/21/2011 13:16:19 | 17.11  | 46.17  | 30.01        | 8.14    | 7.94 | 3.4        | 2.61            | 101.1 |
| 1258     | 9/21/2011 13:31:19 | 17.06  | 46.17  | 30.01        | 8.07    | 7.93 | 3.7        | 2.63            | 100.2 |
| 1259     | 9/21/2011 13:46:19 | 16.97  | 46.16  | 30.00        | 8.05    | 7.92 | 4.1        | 2.65            | 99.8  |
| 1260     | 9/21/2011 14:01:19 | 16.94  | 46.17  | 30.01        | 8.16    | 7.93 | 3.6        | 2.68            | 101.1 |
| 1261     | 9/21/2011 14:16:19 | 16.91  | 46.09  | 29.95        | 8.25    | 7.93 | 3.8        | 2.72            | 102.1 |
| 1262     | 9/21/2011 14:31:19 | 16.80  | 46.12  | 29.97        | 8.11    | 7.92 | 4.4        | 2.74            | 100.2 |
| 1263     | 9/21/2011 14:46:19 | 16.78  | 46.14  | 29.98        | 8.11    | 7.92 | 4.9        | 2.79            | 100.1 |
| 1264     | 9/21/2011 15:01:19 | 16.73  | 46.11  | 29.97        | 8.13    | 7.92 | 3.8        | 2.82            | 100.3 |
| 1265     | 9/21/2011 15:16:18 | 16.57  | 46.06  | 29.93        | 8.09    | 7.91 | 3.8        | 2.87            | 99.4  |
| 1266     | 9/21/2011 15:31:19 | 16.29  | 46.10  | 29.95        | 7.85    | 7.88 | 5.1        | 2.92            | 96.0  |
| 1267     | 9/21/2011 15:46:19 | 16.20  | 45.99  | 29.87        | 7.85    | 7.88 | 5.8        | 2.95            | 95.8  |
| 1268     | 9/21/2011 16:01:19 | 15.87  | 46.05  | 29.91        | 7.86    | 7.87 | 4.4        | 3.03            | 95.3  |
| 1269     | 9/21/2011 16:16:19 | 15.65  | 46.06  | 29.92        | 7.95    | 7.88 | 4.0        | 3.05            | 96.0  |
| 1270     | 9/21/2011 16:31:19 | 15.36  | 46.02  | 29.88        | 8.00    | 7.87 | 3.8        | 3.10            | 96.0  |
| 1271     | 9/21/2011 16:46:19 | 15.04  | 46.03  | 29.88        | 8.02    | 7.87 | 3.4        | 3.16            | 95.6  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    | pH   | NTU        |                 |       |
| 1272     | 9/21/2011 17:01:19 | 14.81  | 46.05  | 29.89        | 7.88    | 7.85 | 3.6        | 3.22            | 93.5  |
| 1273     | 9/21/2011 17:16:19 | 14.72  | 45.98  | 29.84        | 7.86    | 7.85 | 3.5        | 3.25            | 93.1  |
| 1274     | 9/21/2011 17:31:18 | 14.53  | 45.86  | 29.75        | 7.94    | 7.85 | 3.3        | 3.29            | 93.6  |
| 1275     | 9/21/2011 17:46:19 | 14.46  | 46.03  | 29.87        | 7.92    | 7.85 | 3.6        | 3.33            | 93.3  |
| 1276     | 9/21/2011 18:01:19 | 14.36  | 46.04  | 29.87        | 7.95    | 7.85 | 3.2        | 3.36            | 93.5  |
| 1277     | 9/21/2011 18:16:19 | 14.30  | 46.05  | 29.88        | 7.92    | 7.85 | 2.9        | 3.39            | 93.0  |
| 1278     | 9/21/2011 18:31:19 | 14.21  | 46.03  | 29.86        | 7.88    | 7.85 | 2.9        | 3.42            | 92.4  |
| 1279     | 9/21/2011 18:46:18 | 14.55  | 45.96  | 29.82        | 7.90    | 7.86 | 3.1        | 3.41            | 93.2  |
| 1280     | 9/21/2011 19:01:19 | 14.38  | 46.06  | 29.89        | 7.70    | 7.84 | 2.9        | 3.46            | 90.5  |
| 1281     | 9/21/2011 19:16:18 | 14.40  | 45.97  | 29.82        | 7.72    | 7.84 | 2.8        | 3.40            | 90.8  |
| 1282     | 9/21/2011 19:31:18 | 14.45  | 45.91  | 29.78        | 7.77    | 7.85 | 3.0        | 3.37            | 91.5  |
| 1283     | 9/21/2011 19:46:19 | 14.57  | 46.03  | 29.87        | 7.88    | 7.86 | 2.9        | 3.34            | 93.1  |
| 1284     | 9/21/2011 20:01:19 | 14.80  | 46.03  | 29.88        | 7.85    | 7.86 | 3.7        | 3.30            | 93.1  |
| 1285     | 9/21/2011 20:16:19 | 15.24  | 45.98  | 29.85        | 8.00    | 7.89 | 3.6        | 3.25            | 95.7  |
| 1286     | 9/21/2011 20:31:19 | 15.55  | 46.08  | 29.92        | 8.00    | 7.90 | 4.3        | 3.19            | 96.4  |
| 1287     | 9/21/2011 20:46:19 | 15.68  | 46.06  | 29.92        | 7.82    | 7.89 | 4.5        | 3.12            | 94.5  |
| 1288     | 9/21/2011 21:01:19 | 15.64  | 46.09  | 29.93        | 7.76    | 7.88 | 4.5        | 3.06            | 93.6  |
| 1289     | 9/21/2011 21:16:18 | 15.54  | 46.00  | 29.87        | 7.74    | 7.87 | 4.6        | 2.98            | 93.1  |
| 1290     | 9/21/2011 21:31:19 | 15.66  | 46.03  | 29.89        | 7.96    | 7.89 | 4.8        | 2.91            | 96.0  |
| 1291     | 9/21/2011 21:46:19 | 15.65  | 45.98  | 29.86        | 7.88    | 7.88 | 5.1        | 2.84            | 95.1  |
| 1292     | 9/21/2011 22:01:19 | 16.09  | 46.10  | 29.95        | 8.11    | 7.92 | 4.9        | 2.76            | 98.7  |
| 1293     | 9/21/2011 22:16:19 | 16.24  | 46.09  | 29.95        | 8.19    | 7.92 | 5.0        | 2.65            | 100.0 |
| 1294     | 9/21/2011 22:31:19 | 16.30  | 46.13  | 29.97        | 8.10    | 7.92 | 4.9        | 2.63            | 99.0  |
| 1295     | 9/21/2011 22:46:18 | 16.62  | 46.12  | 29.97        | 8.19    | 7.94 | 5.2        | 2.54            | 100.8 |
| 1296     | 9/21/2011 23:01:19 | 16.50  | 46.11  | 29.96        | 8.15    | 7.93 | 5.2        | 2.42            | 100.1 |
| 1297     | 9/21/2011 23:16:18 | 16.53  | 46.13  | 29.98        | 7.98    | 7.94 | 6.3        | 2.34            | 98.0  |
| 1298     | 9/21/2011 23:31:19 | 16.55  | 46.14  | 29.98        | 7.92    | 7.92 | 5.7        | 2.22            | 97.3  |
| 1299     | 9/21/2011 23:46:19 | 16.69  | 46.18  | 30.01        | 7.95    | 7.93 | 6.0        | 2.14            | 98.0  |
| 1300     | 9/22/2011 00:01:19 | 16.88  | 46.16  | 30.00        | 7.88    | 7.94 | 6.3        | 2.06            | 97.5  |
| 1301     | 9/22/2011 00:16:18 | 16.90  | 46.15  | 29.99        | 7.84    | 7.93 | 6.4        | 1.97            | 97.0  |
| 1302     | 9/22/2011 00:31:18 | 17.06  | 46.09  | 29.95        | 7.83    | 7.94 | 5.4        | 1.86            | 97.2  |
| 1303     | 9/22/2011 00:46:19 | 17.21  | 46.21  | 30.04        | 7.90    | 7.95 | 5.4        | 1.84            | 98.3  |
| 1304     | 9/22/2011 01:01:19 | 17.35  | 46.22  | 30.05        | 7.97    | 7.96 | 5.1        | 1.79            | 99.5  |
| 1305     | 9/22/2011 01:16:19 | 17.49  | 46.24  | 30.07        | 8.15    | 7.98 | 5.6        | 1.72            | 102.1 |
| 1306     | 9/22/2011 01:31:19 | 17.64  | 46.26  | 30.08        | 8.31    | 8.01 | 4.6        | 1.69            | 104.4 |
| 1307     | 9/22/2011 01:46:19 | 17.75  | 46.30  | 30.11        | 8.39    | 8.01 | 6.3        | 1.72            | 105.6 |
| 1308     | 9/22/2011 02:01:19 | 17.80  | 46.31  | 30.12        | 8.40    | 8.02 | 9.2        | 1.66            | 105.9 |
| 1309     | 9/22/2011 02:16:18 | 17.72  | 46.26  | 30.08        | 8.32    | 8.01 | 4.6        | 1.64            | 104.6 |
| 1310     | 9/22/2011 02:31:19 | 17.82  | 46.31  | 30.11        | 8.61    | 8.04 | 4.2        | 1.69            | 108.5 |
| 1311     | 9/22/2011 02:46:19 | 17.81  | 46.27  | 30.09        | 8.67    | 8.04 | 3.8        | 1.73            | 109.3 |
| 1312     | 9/22/2011 03:01:18 | 17.80  | 46.27  | 30.09        | 8.67    | 8.03 | 4.1        | 1.76            | 109.2 |
| 1313     | 9/22/2011 03:16:19 | 17.84  | 46.26  | 30.08        | 8.77    | 8.04 | 4.0        | 1.81            | 110.6 |
| 1314     | 9/22/2011 03:31:19 | 17.80  | 46.32  | 30.12        | 8.78    | 8.04 | 4.3        | 1.86            | 110.7 |
| 1315     | 9/22/2011 03:46:19 | 17.84  | 46.22  | 30.05        | 8.60    | 8.03 | 5.5        | 1.93            | 108.4 |
| 1316     | 9/22/2011 04:01:18 | 17.87  | 46.13  | 29.98        | 8.46    | 8.01 | 6.0        | 2.00            | 106.7 |
| 1317     | 9/22/2011 04:16:18 | 17.84  | 46.12  | 29.97        | 8.42    | 8.01 | 5.9        | 2.04            | 106.1 |
| 1318     | 9/22/2011 04:31:19 | 17.80  | 46.16  | 30.01        | 8.42    | 8.01 | 5.9        | 2.11            | 106.1 |
| 1319     | 9/22/2011 04:46:19 | 17.71  | 46.18  | 30.02        | 8.46    | 8.01 | 5.6        | 2.16            | 106.4 |
| 1320     | 9/22/2011 05:01:18 | 17.66  | 46.14  | 29.99        | 8.45    | 8.00 | 5.4        | 2.24            | 106.2 |
| 1321     | 9/22/2011 05:16:19 | 17.56  | 46.21  | 30.04        | 8.43    | 7.99 | 5.7        | 2.32            | 105.7 |
| 1322     | 9/22/2011 05:31:19 | 17.43  | 46.11  | 29.97        | 8.33    | 7.98 | 5.5        | 2.38            | 104.2 |
| 1323     | 9/22/2011 05:46:18 | 17.27  | 46.15  | 29.99        | 8.23    | 7.96 | 5.7        | 2.46            | 102.6 |
| 1324     | 9/22/2011 06:01:19 | 17.07  | 46.16  | 30.00        | 8.12    | 7.94 | 5.4        | 2.51            | 100.8 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%    |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|--------|
| 1325     | 9/22/2011 06:16:19 | 16.93  | 46.18           | 30.01        | 8.06            | 7.93 | 5.6               | 2.59            | 99.9   |
| 1326     | 9/22/2011 06:31:19 | 16.82  | 46.15           | 29.99        | 8.02            | 7.93 | 5.6               | 2.64            | 99.1   |
| 1327     | 9/22/2011 06:46:18 | 16.70  | 46.09           | 29.95        | 8.04            | 7.92 | 4.8               | 2.70            | 99.0   |
| 1328     | 9/22/2011 07:01:18 | 16.62  | 46.15           | 29.99        | 8.05            | 7.92 | 4.6               | 2.78            | 99.1   |
| 1329     | 9/22/2011 07:16:19 | 16.42  | 46.13           | 29.98        | 8.03            | 7.91 | 4.8               | 2.83            | 98.5   |
| 1330     | 9/22/2011 07:31:19 | 16.23  | 46.01           | 29.88        | 8.00            | 7.91 | 4.6               | 2.86            | 97.6   |
| 1331     | 9/22/2011 07:46:19 | 16.11  | 46.11           | 29.95        | 7.93            | 7.90 | 4.4               | 2.94            | 96.6   |
| 1332     | 9/22/2011 08:01:19 | 15.99  | 46.07           | 29.92        | 7.90            | 7.90 | 4.3               | 2.98            | 96.0   |
| 1333     | 9/22/2011 08:16:19 | 15.74  | 46.08           | 29.93        | 7.91            | 7.89 | 4.5               | 3.02            | 95.6   |
| 1334     | 9/22/2011 08:31:19 | 15.62  | 46.06           | 29.91        | 7.91            | 7.89 | 4.0               | 3.07            | 95.4   |
| 1335     | 9/22/2011 08:46:19 | 15.53  | 46.05           | 29.91        | 7.89            | 7.89 | 4.0               | 3.11            | 94.9   |
| 1336     | 9/22/2011 09:01:19 | 15.41  | 46.06           | 29.91        | 7.81            | 7.88 | 3.6               | 3.08            | 93.8   |
| 1337     | 9/22/2011 09:16:19 | 16.20  | 46.21           | 30.03        | 7.70            | 7.91 | 37.0              | 3.11            | 94.1   |
| 1338     | 9/22/2011 09:31:19 | 16.00  | 46.13           | 29.97        | 7.69            | 7.90 | 11.4              | 3.12            | 93.5   |
| 1339     | 9/22/2011 09:46:19 | 15.46  | 46.06           | 29.91        | 7.69            | 7.87 | 3.8               | 3.11            | 92.4   |
| 1340     | 9/22/2011 10:01:19 | 15.67  | 46.03           | 29.89        | 7.72            | 7.89 | 4.2               | 3.07            | 93.2   |
|          | Mean               | 15.84  | 46.11           | 29.95        | 8.20            | 7.90 | 6.48              | 2.64            | 99.46  |
|          | Minimum            | 12.51  | 45.69           | 29.60        | 6.75            | 7.78 | 2.60              | 1.41            | 81.40  |
|          | Maximum            | 18.12  | 46.37           | 30.15        | 10.52           | 8.09 | 176.50            | 3.65            | 130.80 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 0        | 10/6/2011 10:30:50 | 13.74  | 49.15           | 32.11        | 8.15            | 7.67 | 7.8               | 2.89            | 95.9  |
| 1        | 10/6/2011 10:45:50 | 13.78  | 49.18           | 32.13        | 8.19            | 7.69 | 6.3               | 2.92            | 96.5  |
| 2        | 10/6/2011 11:00:50 | 13.74  | 49.25           | 32.18        | 8.34            | 7.71 | 5.8               | 2.84            | 98.2  |
| 3        | 10/6/2011 11:15:49 | 13.77  | 48.92           | 31.94        | 8.17            | 7.72 | 5.9               | 2.78            | 96.2  |
| 4        | 10/6/2011 11:30:49 | 13.76  | 48.90           | 31.93        | 7.84            | 7.70 | 6.7               | 2.71            | 92.2  |
| 5        | 10/6/2011 11:45:50 | 13.84  | 49.01           | 32.01        | 7.77            | 7.69 | 5.1               | 2.65            | 91.6  |
| 6        | 10/6/2011 12:00:50 | 13.94  | 48.98           | 31.99        | 7.75            | 7.69 | 5.9               | 2.59            | 91.5  |
| 7        | 10/6/2011 12:15:50 | 14.05  | 48.96           | 31.98        | 7.77            | 7.70 | 4.9               | 2.52            | 92.0  |
| 8        | 10/6/2011 12:30:50 | 14.20  | 48.91           | 31.95        | 7.88            | 7.71 | 5.7               | 2.46            | 93.6  |
| 9        | 10/6/2011 12:45:49 | 14.35  | 48.67           | 31.78        | 8.07            | 7.73 | 5.2               | 2.39            | 95.9  |
| 10       | 10/6/2011 13:00:50 | 14.43  | 48.91           | 31.95        | 8.19            | 7.74 | 5.1               | 2.35            | 97.7  |
| 11       | 10/6/2011 13:15:50 | 14.57  | 48.90           | 31.95        | 8.41            | 7.75 | 5.6               | 2.28            | 100.6 |
| 12       | 10/6/2011 13:30:50 | 14.70  | 48.88           | 31.94        | 8.54            | 7.77 | 4.8               | 2.22            | 102.4 |
| 13       | 10/6/2011 13:45:51 | 14.86  | 48.93           | 31.98        | 8.73            | 7.79 | 4.7               | 2.19            | 105.0 |
| 14       | 10/6/2011 14:00:50 | 14.86  | 48.79           | 31.87        | 8.71            | 7.79 | 5.7               | 2.16            | 104.8 |
| 15       | 10/6/2011 14:15:50 | 14.94  | 48.85           | 31.92        | 8.77            | 7.79 | 6.0               | 2.10            | 105.7 |
| 16       | 10/6/2011 14:30:51 | 15.10  | 48.80           | 31.89        | 8.83            | 7.81 | 5.7               | 2.09            | 106.7 |
| 17       | 10/6/2011 14:45:51 | 15.15  | 48.75           | 31.85        | 8.73            | 7.81 | 5.4               | 2.08            | 105.6 |
| 18       | 10/6/2011 15:00:50 | 15.25  | 48.71           | 31.82        | 8.83            | 7.81 | 4.5               | 2.05            | 107.0 |
| 19       | 10/6/2011 15:15:50 | 15.11  | 48.76           | 31.86        | 8.83            | 7.80 | 5.7               | 2.08            | 106.7 |
| 20       | 10/6/2011 15:30:50 | 14.97  | 48.71           | 31.82        | 8.77            | 7.79 | 4.8               | 2.11            | 105.6 |
| 21       | 10/6/2011 15:45:50 | 14.80  | 48.59           | 31.73        | 8.53            | 7.78 | 4.6               | 2.10            | 102.3 |
| 22       | 10/6/2011 16:00:50 | 14.81  | 48.57           | 31.72        | 8.51            | 7.77 | 4.6               | 2.15            | 102.1 |
| 23       | 10/6/2011 16:15:50 | 14.65  | 48.60           | 31.73        | 8.39            | 7.76 | 5.0               | 2.21            | 100.4 |
| 24       | 10/6/2011 16:30:51 | 14.62  | 48.70           | 31.80        | 8.29            | 7.76 | 5.2               | 2.27            | 99.2  |
| 25       | 10/6/2011 16:45:50 | 14.75  | 48.41           | 31.60        | 8.35            | 7.76 | 5.1               | 2.33            | 100.0 |
| 26       | 10/6/2011 17:00:50 | 14.76  | 48.07           | 31.35        | 8.27            | 7.75 | 5.9               | 2.38            | 99.0  |
| 27       | 10/6/2011 17:15:50 | 14.71  | 48.31           | 31.52        | 8.21            | 7.75 | 5.0               | 2.45            | 98.2  |
| 28       | 10/6/2011 17:30:50 | 14.65  | 48.35           | 31.55        | 8.17            | 7.74 | 5.1               | 2.50            | 97.6  |
| 29       | 10/6/2011 17:45:50 | 14.47  | 48.62           | 31.75        | 8.07            | 7.74 | 4.6               | 2.55            | 96.2  |
| 30       | 10/6/2011 18:00:50 | 14.29  | 48.82           | 31.88        | 7.96            | 7.73 | 5.1               | 2.61            | 94.7  |
| 31       | 10/6/2011 18:15:50 | 14.13  | 48.89           | 31.93        | 7.92            | 7.73 | 4.5               | 2.67            | 93.9  |
| 32       | 10/6/2011 18:30:50 | 14.03  | 49.01           | 32.01        | 7.93            | 7.73 | 4.3               | 2.74            | 93.9  |
| 33       | 10/6/2011 18:45:50 | 13.94  | 48.95           | 31.96        | 7.94            | 7.73 | 4.3               | 2.81            | 93.7  |
| 34       | 10/6/2011 19:00:50 | 13.87  | 49.05           | 32.04        | 7.92            | 7.73 | 4.3               | 2.86            | 93.5  |
| 35       | 10/6/2011 19:15:50 | 13.85  | 49.07           | 32.06        | 7.89            | 7.73 | 4.2               | 2.92            | 93.1  |
| 36       | 10/6/2011 19:30:50 | 13.81  | 49.02           | 32.02        | 7.92            | 7.73 | 4.9               | 2.98            | 93.2  |
| 37       | 10/6/2011 19:45:50 | 13.68  | 49.04           | 32.02        | 7.99            | 7.73 | 4.1               | 3.03            | 93.9  |
| 38       | 10/6/2011 20:00:50 | 13.58  | 49.03           | 32.02        | 8.04            | 7.74 | 3.9               | 3.07            | 94.3  |
| 39       | 10/6/2011 20:15:50 | 13.51  | 49.09           | 32.06        | 8.06            | 7.74 | 3.7               | 3.11            | 94.4  |
| 40       | 10/6/2011 20:30:50 | 13.48  | 49.05           | 32.02        | 8.07            | 7.74 | 3.7               | 3.14            | 94.5  |
| 41       | 10/6/2011 20:45:50 | 13.46  | 49.12           | 32.08        | 8.00            | 7.74 | 3.1               | 3.17            | 93.6  |
| 42       | 10/6/2011 21:00:50 | 13.51  | 49.13           | 32.08        | 7.93            | 7.74 | 3.8               | 3.17            | 92.9  |
| 43       | 10/6/2011 21:15:50 | 13.44  | 49.14           | 32.09        | 7.98            | 7.74 | 4.2               | 3.16            | 93.3  |
| 44       | 10/6/2011 21:30:50 | 13.40  | 48.92           | 31.93        | 8.00            | 7.74 | 3.8               | 3.13            | 93.4  |
| 45       | 10/6/2011 21:45:50 | 13.54  | 49.18           | 32.12        | 7.89            | 7.73 | 4.6               | 3.09            | 92.5  |
| 46       | 10/6/2011 22:00:50 | 13.66  | 49.12           | 32.08        | 7.68            | 7.72 | 6.7               | 3.04            | 90.2  |
| 47       | 10/6/2011 22:15:50 | 13.77  | 49.05           | 32.04        | 7.53            | 7.71 | 7.5               | 2.96            | 88.6  |
| 48       | 10/6/2011 22:30:50 | 13.70  | 49.04           | 32.03        | 7.64            | 7.71 | 6.7               | 2.88            | 89.8  |
| 49       | 10/6/2011 22:45:50 | 13.77  | 49.01           | 32.01        | 7.69            | 7.72 | 6.5               | 2.81            | 90.5  |
| 50       | 10/6/2011 23:00:50 | 13.70  | 48.84           | 31.88        | 7.71            | 7.72 | 6.6               | 2.73            | 90.5  |
| 51       | 10/6/2011 23:15:50 | 14.21  | 48.66           | 31.76        | 7.82            | 7.74 | 8.1               | 2.64            | 92.7  |
| 52       | 10/6/2011 23:30:50 | 14.30  | 48.75           | 31.83        | 7.75            | 7.74 | 7.8               | 2.56            | 92.2  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|------|
| 53       | 10/6/2011 23:45:50 | 14.38  | 48.71           | 31.80        | 7.83            | 7.75 | 7.7               | 2.47            | 93.2 |
| 54       | 10/7/2011 00:00:50 | 14.14  | 48.42           | 31.59        | 7.62            | 7.73 | 8.6               | 2.37            | 90.1 |
| 55       | 10/7/2011 00:15:50 | 14.22  |                 |              | 7.79            | 7.73 | 8.7               | 2.28            | 91.5 |
| 56       | 10/7/2011 00:30:50 | 14.14  |                 |              | 7.88            | 7.73 | 9.6               | 2.19            | 91.1 |
| 57       | 10/7/2011 00:45:50 | 14.14  |                 |              | 7.85            | 7.74 | 10.2              | 2.10            | 91.5 |
| 58       | 10/7/2011 01:00:50 | 14.24  |                 |              | 8.15            | 7.75 | 10.7              | 2.00            | 92.4 |
| 59       | 10/7/2011 01:15:50 | 14.18  |                 |              | 8.06            | 7.75 | 9.6               | 1.90            | 92.4 |
| 60       | 10/7/2011 01:30:51 | 14.19  |                 |              | 7.86            | 7.76 | 9.6               | 1.79            | 92.4 |
| 61       | 10/7/2011 01:45:50 | 14.35  |                 |              | 8.11            | 7.79 | 9.9               | 1.73            | 95.0 |
| 62       | 10/7/2011 02:00:51 | 14.36  |                 |              | 8.32            | 7.81 | 10.3              | 1.64            | 96.0 |
| 63       | 10/7/2011 02:15:50 | 14.40  |                 |              | 8.64            | 7.83 | 10.2              | 1.58            | 97.3 |
| 64       | 10/7/2011 02:30:50 | 14.42  |                 |              | 8.42            | 7.83 | 10.9              | 1.53            | 97.0 |
| 65       | 10/7/2011 02:45:50 | 14.46  |                 |              | 8.29            | 7.83 | 11.2              | 1.49            | 97.1 |
| 66       | 10/7/2011 03:00:50 | 14.49  |                 |              | 8.71            | 7.84 | 10.0              | 1.46            | 97.2 |
| 67       | 10/7/2011 03:15:49 | 14.45  |                 |              | 8.58            | 7.84 | 9.3               | 1.46            | 97.0 |
| 68       | 10/7/2011 03:30:50 | 14.44  |                 |              | 8.61            | 7.83 | 9.9               | 1.46            | 97.6 |
| 69       | 10/7/2011 03:45:50 | 14.42  |                 |              | 8.34            | 7.83 | 9.2               | 1.48            | 97.3 |
| 70       | 10/7/2011 04:00:50 | 14.44  | 48.18           | 31.42        | 8.17            | 7.82 | 8.9               | 1.53            | 97.2 |
| 71       | 10/7/2011 04:15:50 | 14.45  | 48.05           | 31.32        | 8.20            | 7.82 | 8.7               | 1.57            | 97.5 |
| 72       | 10/7/2011 04:30:50 | 14.46  | 47.90           | 31.22        | 8.15            | 7.82 | 8.5               | 1.64            | 96.8 |
| 73       | 10/7/2011 04:45:50 | 14.50  | 47.26           | 30.76        | 8.11            | 7.81 | 8.2               | 1.70            | 96.2 |
| 74       | 10/7/2011 05:00:50 | 14.51  | 47.53           | 30.95        | 8.08            | 7.80 | 8.1               | 1.79            | 96.0 |
| 75       | 10/7/2011 05:15:50 | 14.51  | 47.31           | 30.79        | 8.05            | 7.79 | 8.0               | 1.86            | 95.5 |
| 76       | 10/7/2011 05:30:50 | 14.49  |                 |              | 8.03            | 7.79 | 7.6               | 1.93            | 94.9 |
| 77       | 10/7/2011 05:45:50 | 14.48  |                 |              | 8.07            | 7.78 | 7.5               | 2.00            | 94.6 |
| 78       | 10/7/2011 06:00:50 | 14.42  |                 |              | 7.97            | 7.77 | 7.8               | 2.10            | 94.0 |
| 79       | 10/7/2011 06:15:50 | 14.31  |                 |              | 7.94            | 7.75 | 6.7               | 2.18            | 92.5 |
| 80       | 10/7/2011 06:30:51 | 14.22  | 48.53           | 31.67        | 7.70            | 7.74 | 7.1               | 2.25            | 91.3 |
| 81       | 10/7/2011 06:45:50 | 14.20  |                 |              | 7.72            | 7.73 | 6.2               | 2.33            | 90.8 |
| 82       | 10/7/2011 07:00:50 | 14.18  | 48.52           | 31.66        | 7.66            | 7.73 | 6.0               | 2.42            | 90.8 |
| 83       | 10/7/2011 07:15:50 | 14.14  | 48.22           | 31.44        | 7.68            | 7.73 | 6.4               | 2.53            | 90.7 |
| 84       | 10/7/2011 07:30:50 | 14.04  | 48.27           | 31.47        | 7.67            | 7.72 | 6.3               | 2.74            | 90.5 |
| 85       | 10/7/2011 07:45:51 | 14.01  | 48.64           | 31.75        | 7.67            | 7.73 | 6.2               | 2.83            | 90.6 |
| 86       | 10/7/2011 08:00:51 | 13.92  | 48.68           | 31.77        | 7.67            | 7.72 | 6.9               | 2.90            | 90.4 |
| 87       | 10/7/2011 08:15:50 | 13.85  | 48.72           | 31.80        | 7.69            | 7.72 | 6.5               | 2.97            | 90.6 |
| 88       | 10/7/2011 08:30:50 | 13.70  | 48.91           | 31.93        | 7.78            | 7.73 | 7.8               | 3.04            | 91.5 |
| 89       | 10/7/2011 08:45:51 | 13.61  | 49.05           | 32.03        | 7.82            | 7.73 | 8.4               | 3.11            | 91.8 |
| 90       | 10/7/2011 09:00:51 | 13.49  | 48.93           | 31.94        | 7.93            | 7.74 | 7.7               | 3.18            | 92.7 |
| 91       | 10/7/2011 09:15:50 | 13.34  | 48.66           | 31.74        | 8.08            | 7.74 | 6.8               | 3.23            | 94.1 |
| 92       | 10/7/2011 09:30:50 | 13.24  | 48.91           | 31.92        | 8.17            | 7.75 | 6.5               | 3.28            | 95.1 |
| 93       | 10/7/2011 09:45:51 | 13.21  | 48.98           | 31.97        | 8.22            | 7.76 | 5.4               | 3.33            | 95.6 |
| 94       | 10/7/2011 10:00:50 | 13.19  | 48.18           | 31.39        | 8.25            | 7.75 | 5.0               | 3.35            | 95.6 |
| 95       | 10/7/2011 10:15:50 | 13.34  |                 |              | 8.23            | 7.75 | 5.0               | 3.36            | 93.8 |
| 96       | 10/7/2011 10:30:51 | 13.18  | 48.98           | 31.97        | 8.18            | 7.75 | 4.5               | 3.35            | 95.1 |
| 97       | 10/7/2011 10:45:50 | 13.21  | 48.97           | 31.95        | 8.16            | 7.75 | 4.9               | 3.31            | 95.0 |
| 98       | 10/7/2011 11:00:50 | 13.25  | 48.74           | 31.79        | 8.12            | 7.75 | 5.4               | 3.27            | 94.5 |
| 99       | 10/7/2011 11:15:50 | 13.64  | 48.51           | 31.64        | 7.99            | 7.74 | 5.2               | 3.21            | 93.6 |
| 100      | 10/7/2011 11:30:50 | 13.78  | 48.73           | 31.80        | 8.00            | 7.74 | 5.9               | 3.15            | 94.1 |
| 101      | 10/7/2011 11:45:50 | 13.87  | 48.49           | 31.63        | 8.16            | 7.75 | 6.2               | 3.06            | 96.0 |
| 102      | 10/7/2011 12:00:50 | 14.07  | 48.65           | 31.76        | 8.33            | 7.77 | 6.3               | 2.98            | 98.6 |
| 103      | 10/7/2011 12:15:51 | 14.18  | 48.54           | 31.67        | 8.22            | 7.76 | 7.0               | 2.90            | 97.4 |
| 104      | 10/7/2011 12:30:51 | 14.24  | 48.41           | 31.58        | 8.33            | 7.77 | 6.3               | 2.81            | 98.8 |
| 105      | 10/7/2011 12:45:50 | 14.26  | 48.41           | 31.58        | 7.96            | 7.74 | 6.7               | 2.73            | 94.3 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   | NTU        |                 |       |
| 106      | 10/7/2011 13:00:50 | 14.42  | 47.60  | 31.00        | 8.04    | 7.74 | 6.3        | 2.66            | 95.3  |
| 107      | 10/7/2011 13:15:50 | 14.63  | 48.33  | 31.53        | 8.15    | 7.76 | 5.9        | 2.57            | 97.3  |
| 108      | 10/7/2011 13:30:51 | 14.77  | 48.48  | 31.65        | 8.27    | 7.77 | 6.3        | 2.50            | 99.1  |
| 109      | 10/7/2011 13:45:51 | 14.95  | 48.44  | 31.62        | 8.50    | 7.79 | 5.6        | 2.42            | 102.2 |
| 110      | 10/7/2011 14:00:51 | 15.08  | 48.23  | 31.47        | 8.77    | 7.81 | 5.6        | 2.35            | 105.6 |
| 111      | 10/7/2011 14:15:50 | 15.24  | 48.27  | 31.51        | 8.94    | 7.82 | 5.4        | 2.27            | 108.1 |
| 112      | 10/7/2011 14:30:50 | 15.30  |        |              | 9.18    | 7.83 | 5.7        | 2.21            | 108.0 |
| 113      | 10/7/2011 14:45:50 | 15.41  |        |              | 9.51    | 7.84 | 5.4        | 2.15            | 110.4 |
| 114      | 10/7/2011 15:00:50 | 15.47  |        |              | 9.49    | 7.84 | 5.2        | 2.10            | 109.9 |
| 115      | 10/7/2011 15:15:50 | 15.62  |        |              | 9.07    | 7.85 | 5.4        | 2.06            | 110.0 |
| 116      | 10/7/2011 15:30:50 | 15.62  |        |              | 9.67    | 7.86 | 5.4        | 2.03            | 110.9 |
| 117      | 10/7/2011 15:45:50 | 15.65  |        |              | 9.51    | 7.85 | 4.9        | 2.04            | 109.7 |
| 118      | 10/7/2011 16:00:50 | 15.72  |        |              | 9.72    | 7.85 | 6.0        | 2.03            | 112.2 |
| 119      | 10/7/2011 16:15:50 | 15.53  |        |              | 9.10    | 7.85 | 5.1        | 2.03            | 109.9 |
| 120      | 10/7/2011 16:30:50 | 15.36  |        |              | 9.14    | 7.83 | 5.2        | 2.09            | 107.5 |
| 121      | 10/7/2011 16:45:51 | 15.28  |        |              | 9.31    | 7.83 | 5.4        | 2.13            | 106.2 |
| 122      | 10/7/2011 17:00:50 | 15.21  |        |              | 9.31    | 7.82 | 5.6        | 2.19            | 105.3 |
| 123      | 10/7/2011 17:15:50 | 15.17  |        |              | 9.16    | 7.81 | 5.9        | 2.26            | 103.9 |
| 124      | 10/7/2011 17:30:50 | 15.19  |        |              | 9.06    | 7.80 | 6.0        | 2.33            | 103.0 |
| 125      | 10/7/2011 17:45:50 | 15.14  |        |              | 8.56    | 7.79 | 6.3        | 2.38            | 102.3 |
| 126      | 10/7/2011 18:00:50 | 15.09  |        |              | 8.93    | 7.78 | 6.2        | 2.46            | 101.3 |
| 127      | 10/7/2011 18:15:50 | 14.97  |        |              | 8.91    | 7.77 | 5.7        | 2.53            | 100.2 |
| 128      | 10/7/2011 18:30:50 | 14.82  |        |              | 8.74    | 7.76 | 5.2        | 2.60            | 98.7  |
| 129      | 10/7/2011 18:45:51 | 14.67  |        |              | 8.71    | 7.75 | 5.4        | 2.67            | 97.3  |
| 130      | 10/7/2011 19:00:51 | 14.57  |        |              | 8.97    | 7.74 | 5.0        | 2.75            | 96.0  |
| 131      | 10/7/2011 19:15:50 | 14.42  |        |              | 8.90    | 7.73 | 5.1        | 2.81            | 94.9  |
| 132      | 10/7/2011 19:30:50 | 14.34  |        |              | 8.89    | 7.73 | 4.9        | 2.88            | 94.2  |
| 133      | 10/7/2011 19:45:51 | 14.31  |        |              | 8.76    | 7.73 | 5.1        | 2.94            | 94.0  |
| 134      | 10/7/2011 20:00:51 | 14.25  |        |              | 8.86    | 7.73 | 4.9        | 3.00            | 94.2  |
| 135      | 10/7/2011 20:15:50 | 14.13  |        |              | 8.98    | 7.73 | 5.1        | 3.08            | 94.5  |
| 136      | 10/7/2011 20:30:50 | 14.07  |        |              | 9.15    | 7.73 | 4.5        | 3.14            | 95.2  |
| 137      | 10/7/2011 20:45:50 | 14.01  |        |              | 9.21    | 7.74 | 5.1        | 3.20            | 95.6  |
| 138      | 10/7/2011 21:00:50 | 13.85  |        |              | 9.32    | 7.74 | 5.6        | 3.26            | 96.4  |
| 139      | 10/7/2011 21:15:51 | 13.78  |        |              | 9.43    | 7.75 | 5.8        | 3.30            | 96.6  |
| 140      | 10/7/2011 21:30:50 | 13.72  |        |              | 9.48    | 7.75 | 4.6        | 3.35            | 96.8  |
| 141      | 10/7/2011 21:45:50 | 13.66  |        |              | 9.48    | 7.75 | 4.0        | 3.37            | 96.7  |
| 142      | 10/7/2011 22:00:50 | 13.86  |        |              | 9.31    | 7.74 | 4.7        | 3.38            | 95.3  |
| 143      | 10/7/2011 22:15:51 | 13.69  |        |              | 9.34    | 7.74 | 5.0        | 3.39            | 95.1  |
| 144      | 10/7/2011 22:30:50 | 13.74  |        |              | 9.37    | 7.74 | 4.2        | 3.35            | 95.4  |
| 145      | 10/7/2011 22:45:50 | 13.75  |        |              | 9.35    | 7.74 | 4.2        | 3.31            | 95.3  |
| 146      | 10/7/2011 23:00:50 | 13.87  |        |              | 9.25    | 7.74 | 5.0        | 3.25            | 94.6  |
| 147      | 10/7/2011 23:15:50 | 14.30  |        |              | 8.91    | 7.77 | 7.1        | 3.18            | 91.8  |
| 148      | 10/7/2011 23:30:51 | 14.05  |        |              | 8.83    | 7.71 | 6.4        | 3.09            | 90.3  |
| 149      | 10/7/2011 23:45:50 | 13.95  |        |              | 8.93    | 7.71 | 6.2        | 3.00            | 91.2  |
| 150      | 10/8/2011 00:00:51 | 14.10  |        |              | 8.87    | 7.71 | 6.3        | 2.92            | 90.9  |
| 151      | 10/8/2011 00:15:50 | 14.14  |        |              | 8.82    | 7.71 | 6.6        | 2.82            | 90.5  |
| 152      | 10/8/2011 00:30:50 | 14.36  |        |              | 8.98    | 7.73 | 6.5        | 2.74            | 92.3  |
| 153      | 10/8/2011 00:45:50 | 14.34  |        |              | 8.87    | 7.72 | 7.2        | 2.65            | 90.6  |
| 154      | 10/8/2011 01:00:50 | 14.23  |        |              | 8.86    | 7.71 | 7.6        | 2.55            | 90.6  |
| 155      | 10/8/2011 01:15:50 | 14.39  |        |              | 8.97    | 7.73 | 7.5        | 2.46            | 91.9  |
| 156      | 10/8/2011 01:30:51 | 14.44  |        |              | 8.89    | 7.73 | 8.7        | 2.34            | 92.3  |
| 157      | 10/8/2011 01:45:49 | 14.47  |        |              | 9.07    | 7.76 | 9.0        | 2.25            | 93.5  |
| 158      | 10/8/2011 02:00:50 | 14.50  |        |              | 9.20    | 7.75 | 8.0        | 2.16            | 94.2  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 159      | 10/8/2011 02:15:51 | 14.56  |                 |              | 9.30            | 7.76 | 7.8               | 2.05            | 94.9  |
| 160      | 10/8/2011 02:30:50 | 14.55  |                 |              | 9.25            | 7.77 | 7.6               | 1.97            | 94.5  |
| 161      | 10/8/2011 02:45:50 | 14.62  |                 |              | 9.38            | 7.78 | 7.2               | 1.88            | 95.8  |
| 162      | 10/8/2011 03:00:50 | 14.80  |                 |              | 9.46            | 7.82 | 7.0               | 1.82            | 99.4  |
| 163      | 10/8/2011 03:15:51 | 14.88  |                 |              | 9.66            | 7.84 | 6.6               | 1.77            | 100.8 |
| 164      | 10/8/2011 03:30:50 | 14.92  |                 |              | 9.67            | 7.84 | 6.4               | 1.70            | 100.8 |
| 165      | 10/8/2011 03:45:50 | 14.95  |                 |              | 9.80            | 7.85 | 6.1               | 1.69            | 101.3 |
| 166      | 10/8/2011 04:00:50 | 14.95  |                 |              | 9.77            | 7.85 | 6.2               | 1.69            | 101.0 |
| 167      | 10/8/2011 04:15:50 | 14.92  |                 |              | 9.79            | 7.84 | 6.3               | 1.70            | 101.2 |
| 168      | 10/8/2011 04:30:50 | 14.92  |                 |              | 9.80            | 7.84 | 5.9               | 1.71            | 101.2 |
| 169      | 10/8/2011 04:45:50 | 14.88  |                 |              | 9.74            | 7.83 | 6.0               | 1.77            | 100.5 |
| 170      | 10/8/2011 05:00:50 | 14.91  |                 |              | 9.75            | 7.83 | 5.9               | 1.83            | 100.7 |
| 171      | 10/8/2011 05:15:51 | 14.88  |                 |              | 9.64            | 7.82 | 6.2               | 1.88            | 99.5  |
| 172      | 10/8/2011 05:30:51 | 14.88  |                 |              | 9.59            | 7.81 | 6.1               | 1.98            | 98.9  |
| 173      | 10/8/2011 05:45:50 | 14.86  |                 |              | 9.51            | 7.80 | 6.3               | 2.05            | 98.0  |
| 174      | 10/8/2011 06:00:51 | 14.83  |                 |              | 9.45            | 7.79 | 6.1               | 2.12            | 97.4  |
| 175      | 10/8/2011 06:15:50 | 14.81  |                 |              | 9.41            | 7.79 | 6.2               | 2.21            | 96.9  |
| 176      | 10/8/2011 06:30:50 | 14.76  |                 |              | 9.29            | 7.77 | 6.3               | 2.28            | 95.5  |
| 177      | 10/8/2011 06:45:50 | 14.67  |                 |              | 9.15            | 7.75 | 6.0               | 2.37            | 93.9  |
| 178      | 10/8/2011 07:00:50 | 14.58  |                 |              | 9.04            | 7.74 | 5.9               | 2.44            | 92.7  |
| 179      | 10/8/2011 07:15:50 | 14.50  |                 |              | 9.01            | 7.73 | 5.8               | 2.54            | 92.2  |
| 180      | 10/8/2011 07:30:50 | 14.44  |                 |              | 9.01            | 7.72 | 6.6               | 2.63            | 92.0  |
| 181      | 10/8/2011 07:45:50 | 14.39  |                 |              | 9.02            | 7.72 | 6.5               | 2.70            | 92.0  |
| 182      | 10/8/2011 08:00:50 | 14.33  |                 |              | 9.06            | 7.72 | 6.1               | 2.79            | 92.0  |
| 183      | 10/8/2011 08:15:50 | 14.26  |                 |              | 9.06            | 7.72 | 6.2               | 2.87            | 91.9  |
| 184      | 10/8/2011 08:30:50 | 14.14  |                 |              | 9.06            | 7.71 | 7.8               | 2.96            | 91.7  |
| 185      | 10/8/2011 08:45:50 | 14.08  |                 |              | 9.09            | 7.72 | 7.2               | 3.03            | 91.9  |
| 186      | 10/8/2011 09:00:50 | 13.94  |                 |              | 9.18            | 7.72 | 8.0               | 3.11            | 92.6  |
| 187      | 10/8/2011 09:15:51 | 13.80  |                 |              | 9.30            | 7.73 | 8.2               | 3.19            | 93.5  |
| 188      | 10/8/2011 09:30:50 | 13.68  |                 |              | 9.39            | 7.73 | 8.1               | 3.26            | 94.2  |
| 189      | 10/8/2011 09:45:51 | 13.57  |                 |              | 9.46            | 7.74 | 7.1               | 3.33            | 94.8  |
| 190      | 10/8/2011 10:00:50 | 13.42  |                 |              | 9.57            | 7.75 | 6.9               | 3.38            | 95.7  |
| 191      | 10/8/2011 10:15:50 | 13.35  |                 |              | 9.63            | 7.75 | 6.7               | 3.44            | 96.2  |
| 192      | 10/8/2011 10:30:50 | 13.29  |                 |              | 9.68            | 7.75 | 5.5               | 3.47            | 96.5  |
| 193      | 10/8/2011 10:45:50 | 13.26  |                 |              | 9.68            | 7.75 | 4.2               | 3.48            | 96.3  |
| 194      | 10/8/2011 11:00:51 | 13.30  |                 |              | 9.61            | 7.75 | 4.9               | 3.48            | 95.5  |
| 195      | 10/8/2011 11:15:51 | 13.31  |                 |              | 9.63            | 7.75 | 4.8               | 3.46            | 95.7  |
| 196      | 10/8/2011 11:30:51 | 13.35  |                 |              | 9.62            | 7.75 | 5.4               | 3.42            | 95.7  |
| 197      | 10/8/2011 11:45:51 | 13.56  |                 |              | 9.57            | 7.75 | 5.5               | 3.35            | 95.6  |
| 198      | 10/8/2011 12:00:51 | 14.14  |                 |              | 9.77            | 7.76 | 6.2               | 3.28            | 98.8  |
| 199      | 10/8/2011 12:15:50 | 14.22  |                 |              | 9.90            | 7.77 | 6.6               | 3.19            | 100.4 |
| 200      | 10/8/2011 12:30:50 | 14.22  |                 |              | 10.09           | 7.77 | 5.6               | 3.10            | 102.2 |
| 201      | 10/8/2011 12:45:50 | 14.28  |                 |              | 9.97            | 7.77 | 6.8               | 3.00            | 101.2 |
| 202      | 10/8/2011 13:00:50 | 14.42  |                 |              | 9.56            | 7.75 | 7.9               | 2.91            | 97.3  |
| 203      | 10/8/2011 13:15:50 | 14.54  |                 |              | 9.49            | 7.74 | 6.8               | 2.83            | 96.8  |
| 204      | 10/8/2011 13:30:50 | 14.70  |                 |              | 9.46            | 7.75 | 6.3               | 2.73            | 96.9  |
| 205      | 10/8/2011 13:45:50 | 14.86  |                 |              | 9.61            | 7.76 | 5.7               | 2.63            | 98.7  |
| 206      | 10/8/2011 14:00:50 | 15.05  |                 |              | 9.87            | 7.78 | 6.2               | 2.54            | 101.8 |
| 207      | 10/8/2011 14:15:50 | 15.16  |                 |              | 10.15           | 7.79 | 5.6               | 2.46            | 104.9 |
| 208      | 10/8/2011 14:30:50 | 15.37  |                 |              | 10.36           | 7.82 | 5.6               | 2.36            | 108.6 |
| 209      | 10/8/2011 14:45:50 | 15.53  |                 |              | 10.47           | 7.83 | 5.7               | 2.26            | 110.1 |
| 210      | 10/8/2011 15:00:51 | 15.57  |                 |              | 10.54           | 7.84 | 6.0               | 2.18            | 110.9 |
| 211      | 10/8/2011 15:15:50 | 15.71  |                 |              | 10.62           | 7.85 | 5.8               | 2.10            | 112.7 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 212      | 10/8/2011 15:30:51 | 15.75  |                 |              | 10.63           | 7.86 | 5.9               | 2.03            | 112.2 |
| 213      | 10/8/2011 15:45:50 | 15.87  |                 |              | 10.71           | 7.86 | 6.7               | 1.96            | 112.6 |
| 214      | 10/8/2011 16:00:50 | 15.89  |                 |              | 10.59           | 7.86 | 5.3               | 1.91            | 111.5 |
| 215      | 10/8/2011 16:15:50 | 16.00  |                 |              | 10.60           | 7.87 | 5.7               | 1.90            | 112.4 |
| 216      | 10/8/2011 16:30:50 | 15.98  |                 |              | 10.63           | 7.87 | 5.2               | 1.88            | 111.8 |
| 217      | 10/8/2011 16:45:49 | 16.11  |                 |              | 10.84           | 7.87 | 5.6               | 1.88            | 114.3 |
| 218      | 10/8/2011 17:00:51 | 15.88  |                 |              | 10.78           | 7.88 | 5.2               | 1.90            | 113.1 |
| 219      | 10/8/2011 17:15:50 | 15.80  |                 |              | 10.69           | 7.86 | 5.2               | 1.94            | 111.9 |
| 220      | 10/8/2011 17:30:50 | 15.75  |                 |              | 10.68           | 7.86 | 4.9               | 1.99            | 111.7 |
| 221      | 10/8/2011 17:45:50 | 15.72  |                 |              | 10.65           | 7.86 | 5.4               | 2.05            | 111.3 |
| 222      | 10/8/2011 18:00:50 | 15.67  |                 |              | 10.52           | 7.85 | 6.0               | 2.13            | 110.0 |
| 223      | 10/8/2011 18:15:50 | 15.71  |                 |              | 10.35           | 7.84 | 6.2               | 2.20            | 108.3 |
| 224      | 10/8/2011 18:30:50 | 15.63  |                 |              | 10.29           | 7.83 | 5.8               | 2.29            | 107.5 |
| 225      | 10/8/2011 18:45:50 | 15.60  |                 |              | 10.19           | 7.82 | 5.7               | 2.36            | 106.3 |
| 226      | 10/8/2011 19:00:50 | 15.46  |                 |              | 10.08           | 7.80 | 6.2               | 2.44            | 104.8 |
| 227      | 10/8/2011 19:15:50 | 15.32  |                 |              | 9.92            | 7.79 | 5.9               | 2.51            | 102.9 |
| 228      | 10/8/2011 19:30:50 | 15.14  |                 |              | 9.73            | 7.77 | 5.2               | 2.58            | 100.5 |
| 229      | 10/8/2011 19:45:50 | 15.01  |                 |              | 9.60            | 7.76 | 5.6               | 2.67            | 98.9  |
| 230      | 10/8/2011 20:00:50 | 14.82  |                 |              | 9.46            | 7.74 | 5.3               | 2.73            | 97.0  |
| 231      | 10/8/2011 20:15:51 | 14.78  |                 |              | 9.41            | 7.74 | 5.1               | 2.80            | 96.5  |
| 232      | 10/8/2011 20:30:50 | 14.73  |                 |              | 9.39            | 7.74 | 4.8               | 2.88            | 96.2  |
| 233      | 10/8/2011 20:45:51 | 14.68  |                 |              | 9.42            | 7.74 | 5.1               | 2.96            | 96.3  |
| 234      | 10/8/2011 21:00:50 | 14.56  |                 |              | 9.43            | 7.74 | 5.2               | 3.02            | 96.2  |
| 235      | 10/8/2011 21:15:50 | 14.47  |                 |              | 9.46            | 7.74 | 5.1               | 3.08            | 96.3  |
| 236      | 10/8/2011 21:30:50 | 14.39  |                 |              | 9.50            | 7.74 | 5.1               | 3.15            | 96.5  |
| 237      | 10/8/2011 21:45:50 | 14.22  |                 |              | 9.59            | 7.74 | 5.4               | 3.21            | 97.1  |
| 238      | 10/8/2011 22:00:50 | 14.09  |                 |              | 9.65            | 7.75 | 5.5               | 3.27            | 97.4  |
| 239      | 10/8/2011 22:15:50 | 14.03  |                 |              | 9.66            | 7.75 | 5.2               | 3.31            | 97.4  |
| 240      | 10/8/2011 22:30:50 | 13.99  |                 |              | 9.65            | 7.75 | 4.3               | 3.35            | 97.2  |
| 241      | 10/8/2011 22:45:50 | 13.95  |                 |              | 9.64            | 7.75 | 4.6               | 3.38            | 97.0  |
| 242      | 10/8/2011 23:00:51 | 14.02  |                 |              | 9.55            | 7.75 | 4.2               | 3.38            | 96.2  |
| 243      | 10/8/2011 23:15:51 | 13.97  |                 |              | 9.54            | 7.75 | 4.5               | 3.36            | 96.0  |
| 244      | 10/8/2011 23:30:51 | 13.96  |                 |              | 9.57            | 7.75 | 4.3               | 3.33            | 96.4  |
| 245      | 10/8/2011 23:45:51 | 14.13  |                 |              | 9.38            | 7.74 | 5.7               | 3.28            | 94.7  |
| 246      | 10/9/2011 00:00:51 | 14.18  |                 |              | 9.26            | 7.73 | 7.8               | 3.21            | 93.7  |
| 247      | 10/9/2011 00:15:51 | 14.20  |                 |              | 9.23            | 7.73 | 9.8               | 3.12            | 93.4  |
| 248      | 10/9/2011 00:30:51 | 14.16  |                 |              | 9.25            | 7.73 | 7.6               | 3.04            | 93.6  |
| 249      | 10/9/2011 00:45:51 | 14.13  |                 |              | 9.22            | 7.72 | 7.1               | 2.95            | 93.2  |
| 250      | 10/9/2011 01:00:51 | 14.17  |                 |              | 9.17            | 7.72 | 6.5               | 2.85            | 92.7  |
| 251      | 10/9/2011 01:15:50 | 14.28  |                 |              | 9.13            | 7.72 | 6.7               | 2.76            | 92.5  |
| 252      | 10/9/2011 01:30:50 | 14.37  |                 |              | 9.04            | 7.72 | 6.8               | 2.66            | 91.8  |
| 253      | 10/9/2011 01:45:51 | 14.46  |                 |              | 8.97            | 7.72 | 7.5               | 2.57            | 91.2  |
| 254      | 10/9/2011 02:00:50 | 14.48  |                 |              | 9.01            | 7.72 | 7.5               | 2.48            | 91.7  |
| 255      | 10/9/2011 02:15:50 | 14.71  |                 |              | 9.09            | 7.74 | 8.5               | 2.38            | 93.0  |
| 256      | 10/9/2011 02:30:50 | 14.72  |                 |              | 9.17            | 7.75 | 8.7               | 2.28            | 93.8  |
| 257      | 10/9/2011 02:45:50 | 14.81  |                 |              | 9.20            | 7.76 | 8.7               | 2.17            | 94.3  |
| 258      | 10/9/2011 03:00:50 | 14.87  |                 |              | 9.29            | 7.77 | 8.3               | 2.10            | 95.4  |
| 259      | 10/9/2011 03:15:51 | 14.90  |                 |              | 9.34            | 7.79 | 7.4               | 2.00            | 95.9  |
| 260      | 10/9/2011 03:30:50 | 14.94  |                 |              | 9.30            | 7.79 | 7.3               | 1.91            | 95.5  |
| 261      | 10/9/2011 03:45:51 | 15.04  |                 |              | 9.40            | 7.80 | 7.4               | 1.86            | 96.8  |
| 262      | 10/9/2011 04:00:50 | 15.17  |                 |              | 9.49            | 7.82 | 6.9               | 1.80            | 97.9  |
| 263      | 10/9/2011 04:15:50 | 15.28  |                 |              | 9.54            | 7.84 | 7.6               | 1.76            | 98.7  |
| 264      | 10/9/2011 04:30:50 | 15.36  |                 |              | 9.55            | 7.85 | 7.2               | 1.74            | 99.0  |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 265      | 10/9/2011 04:45:50 | 15.37  |                 |              | 9.54            | 7.86 | 6.7               | 1.74            | 98.9  |
| 266      | 10/9/2011 05:00:51 | 15.35  |                 |              | 9.61            | 7.86 | 6.8               | 1.76            | 99.5  |
| 267      | 10/9/2011 05:15:50 | 15.33  |                 |              | 9.61            | 7.85 | 6.5               | 1.78            | 99.5  |
| 268      | 10/9/2011 05:30:51 | 15.30  |                 |              | 9.50            | 7.83 | 6.5               | 1.84            | 98.3  |
| 269      | 10/9/2011 05:45:50 | 15.29  |                 |              | 9.50            | 7.83 | 6.2               | 1.99            | 98.3  |
| 270      | 10/9/2011 06:00:50 | 15.27  |                 |              | 9.40            | 7.82 | 6.8               | 2.07            | 97.2  |
| 271      | 10/9/2011 06:15:50 | 15.25  |                 |              | 9.38            | 7.81 | 7.2               | 2.14            | 97.0  |
| 272      | 10/9/2011 06:30:50 | 15.23  |                 |              | 9.35            | 7.80 | 6.8               | 2.22            | 96.6  |
| 273      | 10/9/2011 06:45:50 | 15.19  |                 |              | 9.28            | 7.79 | 7.1               | 2.31            | 95.8  |
| 274      | 10/9/2011 07:00:50 | 15.13  |                 |              | 9.24            | 7.78 | 7.1               | 2.38            | 95.2  |
| 275      | 10/9/2011 07:15:50 | 15.05  |                 |              | 9.15            | 7.76 | 7.1               | 2.47            | 94.2  |
| 276      | 10/9/2011 07:30:50 | 14.90  |                 |              | 9.10            | 7.75 | 6.9               | 2.55            | 93.4  |
| 277      | 10/9/2011 07:45:50 | 14.76  |                 |              | 9.16            | 7.73 | 6.2               | 2.64            | 93.7  |
| 278      | 10/9/2011 08:00:50 | 14.71  |                 |              | 9.15            | 7.73 | 6.4               | 2.72            | 93.5  |
| 279      | 10/9/2011 08:15:49 | 14.65  |                 |              | 9.16            | 7.73 | 6.5               | 2.80            | 93.5  |
| 280      | 10/9/2011 08:30:50 | 14.58  |                 |              | 9.19            | 7.73 | 6.5               | 2.88            | 93.6  |
| 281      | 10/9/2011 08:45:51 | 14.48  |                 |              | 9.22            | 7.73 | 6.9               | 2.96            | 93.8  |
| 282      | 10/9/2011 09:00:51 | 14.38  |                 |              | 9.24            | 7.73 | 7.5               | 3.05            | 93.7  |
| 283      | 10/9/2011 09:15:50 | 14.31  |                 |              | 9.26            | 7.73 | 8.4               | 3.12            | 93.8  |
| 284      | 10/9/2011 09:30:50 | 14.08  |                 |              | 9.35            | 7.73 | 10.4              | 3.20            | 94.2  |
| 285      | 10/9/2011 09:45:51 | 13.92  |                 |              | 9.43            | 7.74 | 8.8               | 3.29            | 94.8  |
| 286      | 10/9/2011 10:00:51 | 13.78  |                 |              | 9.50            | 7.74 | 7.5               | 3.37            | 95.1  |
| 287      | 10/9/2011 10:15:50 | 13.58  |                 |              | 9.58            | 7.74 | 8.1               | 3.45            | 95.6  |
| 288      | 10/9/2011 10:30:50 | 13.46  |                 |              | 9.65            | 7.75 | 8.1               | 3.50            | 95.9  |
| 289      | 10/9/2011 10:45:50 | 13.38  |                 |              | 9.68            | 7.75 | 6.6               | 3.56            | 96.1  |
| 290      | 10/9/2011 11:00:51 | 13.31  |                 |              | 9.69            | 7.76 | 4.8               | 3.60            | 96.1  |
| 291      | 10/9/2011 11:15:50 | 13.29  |                 |              | 9.68            | 7.76 | 4.0               | 3.64            | 95.8  |
| 292      | 10/9/2011 11:30:50 | 13.45  |                 |              | 9.62            | 7.75 | 5.2               | 3.63            | 95.6  |
| 293      | 10/9/2011 11:45:51 | 13.33  |                 |              | 9.58            | 7.75 | 5.6               | 3.61            | 95.0  |
| 294      | 10/9/2011 12:00:50 | 13.35  |                 |              | 9.62            | 7.75 | 5.1               | 3.58            | 95.4  |
| 295      | 10/9/2011 12:15:50 | 13.72  |                 |              | 9.65            | 7.75 | 5.4               | 3.52            | 96.5  |
| 296      | 10/9/2011 12:30:50 | 14.43  |                 |              | 9.98            | 7.77 | 8.2               | 3.42            | 101.3 |
| 297      | 10/9/2011 12:45:50 | 14.24  |                 |              | 10.14           | 7.78 | 6.4               | 3.32            | 102.6 |
| 298      | 10/9/2011 13:00:50 | 14.42  |                 |              | 10.03           | 7.78 | 7.1               | 3.25            | 101.8 |
| 299      | 10/9/2011 13:15:50 | 14.49  |                 |              | 9.63            | 7.76 | 8.5               | 3.13            | 98.5  |
| 300      | 10/9/2011 13:30:50 | 14.64  |                 |              | 9.70            | 7.76 | 7.8               | 3.03            | 98.9  |
| 301      | 10/9/2011 13:45:51 | 14.78  |                 |              | 9.65            | 7.76 | 7.1               | 2.92            | 98.9  |
| 302      | 10/9/2011 14:00:51 | 15.01  |                 |              | 9.73            | 7.77 | 6.7               | 2.83            | 100.0 |
| 303      | 10/9/2011 14:15:51 | 15.17  |                 |              | 9.80            | 7.78 | 7.2               | 2.74            | 101.1 |
| 304      | 10/9/2011 14:30:51 | 15.30  |                 |              | 9.97            | 7.79 | 6.2               | 2.63            | 103.1 |
| 305      | 10/9/2011 14:45:51 | 15.37  |                 |              | 10.15           | 7.80 | 6.7               | 2.52            | 105.1 |
| 306      | 10/9/2011 15:00:50 | 15.45  |                 |              | 10.45           | 7.82 | 5.6               | 2.44            | 108.4 |
| 307      | 10/9/2011 15:15:50 | 15.72  |                 |              | 10.94           | 7.84 | 6.3               | 2.32            | 114.2 |
| 308      | 10/9/2011 15:30:51 | 15.67  |                 |              | 10.58           | 7.84 | 7.0               | 2.23            | 110.3 |
| 309      | 10/9/2011 15:45:51 | 15.81  |                 |              | 10.85           | 7.86 | 6.5               | 2.13            | 113.4 |
| 310      | 10/9/2011 16:00:51 | 15.97  |                 |              | 10.94           | 7.87 | 5.9               | 2.05            | 114.7 |
| 311      | 10/9/2011 16:15:50 | 15.92  |                 |              | 10.82           | 7.87 | 6.0               | 1.97            | 113.4 |
| 312      | 10/9/2011 16:30:50 | 16.21  |                 |              | 11.16           | 7.89 | 5.8               | 1.90            | 117.8 |
| 313      | 10/9/2011 16:45:50 | 16.30  |                 |              | 11.25           | 7.91 | 5.8               | 1.85            | 118.8 |
| 314      | 10/9/2011 17:00:51 | 16.24  |                 |              | 11.14           | 7.92 | 5.7               | 1.83            | 117.5 |
| 315      | 10/9/2011 17:15:50 | 16.33  |                 |              | 11.17           | 7.92 | 5.4               | 1.83            | 118.0 |
| 316      | 10/9/2011 17:30:50 | 16.30  |                 |              | 11.24           | 7.92 | 5.6               | 1.82            | 118.7 |
| 317      | 10/9/2011 17:45:50 | 16.28  |                 |              | 11.22           | 7.91 | 6.3               | 1.83            | 118.5 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 318      | 10/9/2011 18:00:50  | 16.18  |                 |              | 11.08           | 7.89 | 5.8               | 1.91            | 116.7 |
| 319      | 10/9/2011 18:15:50  | 16.06  |                 |              | 10.87           | 7.88 | 5.7               | 1.97            | 114.2 |
| 320      | 10/9/2011 18:30:51  | 16.01  |                 |              | 10.74           | 7.87 | 6.2               | 2.04            | 112.7 |
| 321      | 10/9/2011 18:45:51  | 16.03  |                 |              | 10.50           | 7.86 | 6.3               | 2.10            | 110.2 |
| 322      | 10/9/2011 19:00:50  | 16.04  |                 |              | 10.32           | 7.84 | 6.8               | 2.19            | 108.4 |
| 323      | 10/9/2011 19:15:50  | 15.98  |                 |              | 10.25           | 7.83 | 6.8               | 2.29            | 107.5 |
| 324      | 10/9/2011 19:30:50  | 15.81  |                 |              | 10.24           | 7.82 | 7.2               | 2.39            | 107.1 |
| 325      | 10/9/2011 19:45:50  | 15.66  |                 |              | 10.11           | 7.81 | 6.2               | 2.43            | 105.4 |
| 326      | 10/9/2011 20:00:50  | 15.50  |                 |              | 9.95            | 7.79 | 6.0               | 2.51            | 103.3 |
| 327      | 10/9/2011 20:15:51  | 15.33  |                 |              | 9.75            | 7.77 | 6.0               | 2.63            | 100.9 |
| 328      | 10/9/2011 20:30:50  | 15.22  |                 |              | 9.63            | 7.76 | 5.7               | 2.68            | 99.4  |
| 329      | 10/9/2011 20:45:50  | 15.16  |                 |              | 9.59            | 7.75 | 5.6               | 2.78            | 98.8  |
| 330      | 10/9/2011 21:00:50  | 15.06  |                 |              | 9.55            | 7.75 | 5.9               | 2.85            | 98.3  |
| 331      | 10/9/2011 21:15:50  | 14.98  |                 |              | 9.57            | 7.75 | 5.9               | 2.93            | 98.3  |
| 332      | 10/9/2011 21:30:51  | 14.82  |                 |              | 9.57            | 7.75 | 6.7               | 3.00            | 97.9  |
| 333      | 10/9/2011 21:45:50  | 14.68  |                 |              | 9.57            | 7.75 | 7.1               | 3.11            | 97.7  |
| 334      | 10/9/2011 22:00:50  | 14.52  |                 |              | 9.59            | 7.74 | 7.8               | 3.13            | 97.7  |
| 335      | 10/9/2011 22:15:50  | 14.30  |                 |              | 9.62            | 7.75 | 7.6               | 3.25            | 97.6  |
| 336      | 10/9/2011 22:30:51  | 14.19  |                 |              | 9.65            | 7.75 | 6.8               | 3.30            | 97.5  |
| 337      | 10/9/2011 22:45:51  | 14.06  |                 |              | 9.67            | 7.75 | 5.9               | 3.37            | 97.5  |
| 338      | 10/9/2011 23:00:50  | 13.87  |                 |              | 9.76            | 7.75 | 5.3               | 3.42            | 97.9  |
| 339      | 10/9/2011 23:15:50  | 13.75  |                 |              | 9.83            | 7.75 | 5.2               | 3.48            | 98.3  |
| 340      | 10/9/2011 23:30:50  | 13.66  |                 |              | 9.83            | 7.75 | 4.5               | 3.48            | 98.1  |
| 341      | 10/9/2011 23:45:50  | 13.54  |                 |              | 9.78            | 7.75 | 3.9               | 3.49            | 97.4  |
| 342      | 10/10/2011 00:00:51 | 13.61  |                 |              | 9.79            | 7.75 | 4.8               | 3.47            | 97.6  |
| 343      | 10/10/2011 00:15:51 | 13.63  |                 |              | 9.80            | 7.75 | 4.1               | 3.45            | 97.8  |
| 344      | 10/10/2011 00:30:50 | 13.91  |                 |              | 9.60            | 7.74 | 4.9               | 3.40            | 96.4  |
| 345      | 10/10/2011 00:45:50 | 14.26  |                 |              | 9.43            | 7.74 | 5.6               | 3.32            | 95.4  |
| 346      | 10/10/2011 01:00:50 | 14.56  |                 |              | 9.23            | 7.73 | 6.6               | 3.25            | 93.9  |
| 347      | 10/10/2011 01:15:51 | 14.42  |                 |              | 9.27            | 7.73 | 5.9               | 3.16            | 94.1  |
| 348      | 10/10/2011 01:30:50 | 14.52  |                 |              | 9.26            | 7.73 | 6.3               | 3.07            | 94.1  |
| 349      | 10/10/2011 01:45:50 | 14.87  |                 |              | 9.21            | 7.74 | 6.3               | 2.98            | 94.4  |
| 350      | 10/10/2011 02:00:50 | 14.97  |                 |              | 9.25            | 7.74 | 6.6               | 2.92            | 94.9  |
| 351      | 10/10/2011 02:15:50 | 15.07  |                 |              | 9.22            | 7.74 | 6.2               | 2.81            | 94.9  |
| 352      | 10/10/2011 02:30:51 | 15.14  |                 |              | 9.18            | 7.74 | 5.9               | 2.72            | 94.6  |
| 353      | 10/10/2011 02:45:50 | 15.21  |                 |              | 9.17            | 7.74 | 6.1               | 2.64            | 94.6  |
| 354      | 10/10/2011 03:00:51 | 15.13  |                 |              | 8.98            | 7.72 | 7.2               | 2.52            | 92.5  |
| 355      | 10/10/2011 03:15:50 | 15.19  |                 |              | 9.10            | 7.73 | 6.3               | 2.43            | 93.9  |
| 356      | 10/10/2011 03:30:50 | 15.20  |                 |              | 9.13            | 7.73 | 6.8               | 2.34            | 94.2  |
| 357      | 10/10/2011 03:45:50 | 15.33  |                 |              | 9.13            | 7.74 | 6.7               | 2.25            | 94.4  |
| 358      | 10/10/2011 04:00:50 | 15.38  |                 |              | 9.19            | 7.75 | 7.3               | 2.21            | 94.8  |
| 359      | 10/10/2011 04:15:50 | 15.49  |                 |              | 9.23            | 7.76 | 6.7               | 2.13            | 95.4  |
| 360      | 10/10/2011 04:30:50 | 15.59  |                 |              | 9.33            | 7.77 | 5.7               | 2.07            | 96.7  |
| 361      | 10/10/2011 04:45:51 | 15.55  |                 |              | 9.30            | 7.77 | 6.2               | 1.99            | 96.2  |
| 362      | 10/10/2011 05:00:50 | 15.60  |                 |              | 9.27            | 7.77 | 6.3               | 1.96            | 96.0  |
| 363      | 10/10/2011 05:15:51 | 15.67  |                 |              | 9.34            | 7.78 | 5.9               | 1.94            | 96.9  |
| 364      | 10/10/2011 05:30:51 | 15.58  |                 |              | 9.22            | 7.77 | 5.6               | 1.94            | 95.5  |
| 365      | 10/10/2011 05:45:50 | 15.60  |                 |              | 9.29            | 7.77 | 5.6               | 1.97            | 96.2  |
| 366      | 10/10/2011 06:00:50 | 15.62  |                 |              | 9.32            | 7.78 | 5.2               | 1.99            | 96.6  |
| 367      | 10/10/2011 06:15:51 | 15.60  |                 |              | 9.32            | 7.77 | 6.0               | 2.07            | 96.6  |
| 368      | 10/10/2011 06:30:50 | 15.62  |                 |              | 9.35            | 7.78 | 6.0               | 2.13            | 97.0  |
| 369      | 10/10/2011 06:45:50 | 15.64  |                 |              | 9.22            | 7.76 | 6.7               | 2.22            | 95.7  |
| 370      | 10/10/2011 07:00:50 | 15.65  |                 |              | 9.14            | 7.76 | 6.7               | 2.31            | 94.9  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 371      | 10/10/2011 07:15:50 | 15.56  |                 |              | 9.21            | 7.76 | 6.2               | 2.38            | 95.3  |
| 372      | 10/10/2011 07:30:51 | 15.49  |                 |              | 9.20            | 7.76 | 6.7               | 2.48            | 95.1  |
| 373      | 10/10/2011 07:45:50 | 15.40  |                 |              | 9.16            | 7.75 | 6.7               | 2.54            | 94.5  |
| 374      | 10/10/2011 08:00:50 | 15.22  |                 |              | 9.12            | 7.73 | 6.2               | 2.64            | 93.8  |
| 375      | 10/10/2011 08:15:50 | 15.08  |                 |              | 9.21            | 7.73 | 6.7               | 2.72            | 94.4  |
| 376      | 10/10/2011 08:30:51 | 14.98  |                 |              | 9.30            | 7.74 | 6.2               | 2.81            | 95.1  |
| 377      | 10/10/2011 08:45:50 | 14.95  |                 |              | 9.32            | 7.74 | 6.8               | 2.90            | 95.3  |
| 378      | 10/10/2011 09:00:50 | 14.86  |                 |              | 9.31            | 7.73 | 7.6               | 2.97            | 95.0  |
| 379      | 10/10/2011 09:15:51 | 14.63  |                 |              | 9.32            | 7.73 | 7.6               | 3.07            | 94.7  |
| 380      | 10/10/2011 09:30:51 | 14.50  |                 |              | 9.34            | 7.73 | 8.1               | 3.16            | 94.7  |
| 381      | 10/10/2011 09:45:51 | 14.30  |                 |              | 9.42            | 7.73 | 9.2               | 3.25            | 95.0  |
| 382      | 10/10/2011 10:00:51 | 14.02  |                 |              | 9.57            | 7.74 | 9.3               | 3.34            | 95.9  |
| 383      | 10/10/2011 10:15:50 | 13.83  |                 |              | 9.67            | 7.74 | 8.4               | 3.43            | 96.5  |
| 384      | 10/10/2011 10:30:50 | 13.61  |                 |              | 9.80            | 7.74 | 6.9               | 3.51            | 97.2  |
| 385      | 10/10/2011 10:45:51 | 13.43  |                 |              | 9.88            | 7.74 | 6.3               | 3.58            | 97.6  |
| 386      | 10/10/2011 11:00:50 | 13.27  |                 |              | 9.97            | 7.74 | 5.9               | 3.65            | 98.2  |
| 387      | 10/10/2011 11:15:50 | 13.19  |                 |              | 10.00           | 7.75 | 4.9               | 3.70            | 98.3  |
| 388      | 10/10/2011 11:30:51 | 13.13  |                 |              | 10.01           | 7.75 | 4.3               | 3.74            | 98.3  |
| 389      | 10/10/2011 11:45:51 | 13.12  |                 |              | 9.89            | 7.74 | 3.9               | 3.75            | 97.1  |
| 390      | 10/10/2011 12:00:50 | 13.18  |                 |              | 9.90            | 7.74 | 4.5               | 3.75            | 97.3  |
| 391      | 10/10/2011 12:15:50 | 13.13  |                 |              | 9.96            | 7.74 | 4.3               | 3.72            | 97.8  |
| 392      | 10/10/2011 12:30:50 | 13.15  |                 |              | 9.94            | 7.74 | 4.9               | 3.68            | 97.6  |
| 393      | 10/10/2011 12:45:50 | 13.96  |                 |              | 9.75            | 7.74 | 5.9               | 3.61            | 97.4  |
| 394      | 10/10/2011 13:00:50 | 13.96  |                 |              | 9.72            | 7.74 | 7.8               | 3.52            | 97.2  |
| 395      | 10/10/2011 13:15:50 | 14.36  |                 |              | 9.77            | 7.75 | 6.0               | 3.43            | 98.5  |
| 396      | 10/10/2011 13:30:50 | 14.42  |                 |              | 9.67            | 7.75 | 7.3               | 3.33            | 97.6  |
| 397      | 10/10/2011 13:45:50 | 14.53  |                 |              | 9.54            | 7.74 | 8.1               | 3.22            | 96.5  |
| 398      | 10/10/2011 14:00:51 | 14.64  |                 |              | 9.51            | 7.74 | 7.3               | 3.12            | 96.5  |
| 399      | 10/10/2011 14:15:50 | 14.84  |                 |              | 9.46            | 7.74 | 6.7               | 3.01            | 96.3  |
| 400      | 10/10/2011 14:30:50 | 14.95  |                 |              | 9.43            | 7.74 | 6.7               | 2.91            | 96.3  |
| 401      | 10/10/2011 14:45:50 | 15.13  |                 |              | 9.47            | 7.75 | 7.0               | 2.80            | 97.1  |
| 402      | 10/10/2011 15:00:50 | 15.31  |                 |              | 9.56            | 7.76 | 7.4               | 2.69            | 98.4  |
| 403      | 10/10/2011 15:15:51 | 15.22  |                 |              | 9.84            | 7.77 | 7.0               | 2.59            | 101.1 |
| 404      | 10/10/2011 15:30:51 | 15.31  |                 |              | 10.09           | 7.79 | 7.3               | 2.46            | 103.9 |
| 405      | 10/10/2011 15:45:50 | 15.51  |                 |              | 9.93            | 7.79 | 7.2               | 2.36            | 102.7 |
| 406      | 10/10/2011 16:00:50 | 15.72  |                 |              | 9.97            | 7.80 | 8.3               | 2.25            | 103.6 |
| 407      | 10/10/2011 16:15:50 | 15.95  |                 |              | 10.06           | 7.81 | 9.6               | 2.14            | 105.0 |
| 408      | 10/10/2011 16:30:50 | 16.15  |                 |              | 10.07           | 7.82 | 8.2               | 2.04            | 105.6 |
| 409      | 10/10/2011 16:45:50 | 16.25  |                 |              | 10.08           | 7.83 | 7.6               | 1.96            | 105.8 |
| 410      | 10/10/2011 17:00:51 | 16.33  |                 |              | 10.15           | 7.84 | 7.2               | 1.87            | 106.7 |
| 411      | 10/10/2011 17:15:51 | 16.39  |                 |              | 10.15           | 7.84 | 9.0               | 1.81            | 107.0 |
| 412      | 10/10/2011 17:30:50 | 16.45  |                 |              | 10.09           | 7.84 | 8.2               | 1.77            | 106.4 |
| 413      | 10/10/2011 17:45:51 | 16.45  |                 |              | 10.00           | 7.84 | 7.0               | 1.73            | 105.5 |
| 414      | 10/10/2011 18:00:50 | 16.45  |                 |              | 9.88            | 7.84 | 7.1               | 1.73            | 104.1 |
| 415      | 10/10/2011 18:15:50 | 16.39  |                 |              | 9.99            | 7.83 | 7.9               | 1.75            | 105.2 |
| 416      | 10/10/2011 18:30:50 | 16.34  |                 |              | 9.97            | 7.83 | 6.7               | 1.79            | 105.0 |
| 417      | 10/10/2011 18:45:50 | 16.29  |                 |              | 9.90            | 7.82 | 8.0               | 1.85            | 104.2 |
| 418      | 10/10/2011 19:00:50 | 16.25  |                 |              | 9.83            | 7.81 | 7.8               | 1.92            | 103.2 |
| 419      | 10/10/2011 19:15:50 | 16.27  |                 |              | 9.65            | 7.80 | 8.5               | 2.01            | 101.7 |
| 420      | 10/10/2011 19:30:50 | 16.21  |                 |              | 9.66            | 7.80 | 8.2               | 2.10            | 101.5 |
| 421      | 10/10/2011 19:45:50 | 16.23  |                 |              | 9.48            | 7.78 | 7.5               | 2.19            | 99.7  |
| 422      | 10/10/2011 20:00:50 | 16.11  |                 |              | 9.55            | 7.78 | 6.7               | 2.28            | 100.1 |
| 423      | 10/10/2011 20:15:50 | 16.00  |                 |              | 9.51            | 7.78 | 6.3               | 2.37            | 99.5  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|------|
| 424      | 10/10/2011 20:30:50 | 15.76  |                 |              | 9.49            | 7.77 | 6.7               | 2.46            | 98.7 |
| 425      | 10/10/2011 20:45:50 | 15.58  |                 |              | 9.41            | 7.75 | 6.2               | 2.54            | 97.4 |
| 426      | 10/10/2011 21:00:51 | 15.53  |                 |              | 9.37            | 7.75 | 6.2               | 2.62            | 97.0 |
| 427      | 10/10/2011 21:15:51 | 15.52  |                 |              | 9.36            | 7.75 | 5.9               | 2.70            | 96.8 |
| 428      | 10/10/2011 21:30:50 | 15.43  |                 |              | 9.37            | 7.75 | 6.3               | 2.78            | 96.7 |
| 429      | 10/10/2011 21:45:50 | 15.35  |                 |              | 9.36            | 7.74 | 6.6               | 2.86            | 96.5 |
| 430      | 10/10/2011 22:00:50 | 15.16  |                 |              | 9.37            | 7.74 | 6.9               | 2.95            | 96.1 |
| 431      | 10/10/2011 22:15:50 | 15.01  |                 |              | 9.38            | 7.73 | 7.1               | 3.03            | 96.1 |
| 432      | 10/10/2011 22:30:51 | 14.86  |                 |              | 9.42            | 7.74 | 7.4               | 3.10            | 96.1 |
| 433      | 10/10/2011 22:45:51 | 14.63  |                 |              | 9.49            | 7.74 | 6.8               | 3.19            | 96.3 |
| 434      | 10/10/2011 23:00:51 | 14.51  |                 |              | 9.52            | 7.74 | 7.3               | 3.26            | 96.4 |
| 435      | 10/10/2011 23:15:50 | 14.36  |                 |              | 9.59            | 7.73 | 5.9               | 3.34            | 96.7 |
| 436      | 10/10/2011 23:30:50 | 14.19  |                 |              | 9.64            | 7.73 | 5.7               | 3.40            | 96.9 |
| 437      | 10/10/2011 23:45:50 | 14.07  |                 |              | 9.65            | 7.73 | 4.6               | 3.46            | 96.7 |
| 438      | 10/11/2011 00:00:50 | 13.99  |                 |              | 9.66            | 7.74 | 4.1               | 3.50            | 96.7 |
| 439      | 10/11/2011 00:15:51 | 13.86  |                 |              | 9.64            | 7.74 | 4.4               | 3.53            | 96.2 |
| 440      | 10/11/2011 00:30:50 | 14.02  |                 |              | 9.56            | 7.73 | 4.9               | 3.55            | 95.8 |
| 441      | 10/11/2011 00:45:50 | 13.91  |                 |              | 9.54            | 7.73 | 4.8               | 3.51            | 95.3 |
| 442      | 10/11/2011 01:00:51 | 13.90  |                 |              | 9.62            | 7.74 | 4.6               | 3.48            | 96.1 |
| 443      | 10/11/2011 01:15:50 | 13.99  |                 |              | 9.56            | 7.73 | 4.8               | 3.44            | 95.6 |
| 444      | 10/11/2011 01:30:50 | 14.33  |                 |              | 9.42            | 7.73 | 6.5               | 3.35            | 95.0 |
| 445      | 10/11/2011 01:45:50 | 14.71  |                 |              | 9.17            | 7.72 | 7.4               | 3.27            | 93.2 |
| 446      | 10/11/2011 02:00:50 | 14.72  |                 |              | 9.14            | 7.72 | 6.9               | 3.18            | 92.9 |
| 447      | 10/11/2011 02:15:50 | 14.99  |                 |              | 9.06            | 7.72 | 8.4               | 3.08            | 92.7 |
| 448      | 10/11/2011 02:30:50 | 15.13  |                 |              | 8.99            | 7.72 | 7.3               | 3.00            | 92.2 |
| 449      | 10/11/2011 02:45:50 | 15.21  |                 |              | 8.98            | 7.72 | 7.5               | 2.89            | 92.3 |
| 450      | 10/11/2011 03:00:50 | 15.33  |                 |              | 8.87            | 7.72 | 7.1               | 2.81            | 91.3 |
| 451      | 10/11/2011 03:15:51 | 15.44  |                 |              | 8.77            | 7.72 | 6.2               | 2.72            | 90.5 |
| 452      | 10/11/2011 03:30:50 | 15.45  |                 |              | 8.65            | 7.71 | 7.8               | 2.63            | 89.3 |
| 453      | 10/11/2011 03:45:50 | 15.48  |                 |              | 8.83            | 7.72 | 6.9               | 2.54            | 91.3 |
| 454      | 10/11/2011 04:00:50 | 15.51  |                 |              | 8.86            | 7.72 | 7.0               | 2.44            | 91.6 |
| 455      | 10/11/2011 04:15:50 | 15.62  |                 |              | 8.80            | 7.72 | 7.6               | 2.37            | 91.2 |
| 456      | 10/11/2011 04:30:50 | 15.72  |                 |              | 8.72            | 7.72 | 7.3               | 2.28            | 90.6 |
| 457      | 10/11/2011 04:45:51 | 15.85  |                 |              | 8.69            | 7.73 | 6.8               | 2.21            | 90.5 |
| 458      | 10/11/2011 05:00:50 | 15.91  |                 |              | 8.59            | 7.73 | 6.3               | 2.15            | 89.6 |
| 459      | 10/11/2011 05:15:50 | 15.97  |                 |              | 8.57            | 7.73 | 6.8               | 2.10            | 89.5 |
| 460      | 10/11/2011 05:30:50 | 16.04  |                 |              | 8.56            | 7.73 | 6.2               | 2.07            | 89.5 |
| 461      | 10/11/2011 05:45:50 | 16.08  |                 |              | 8.53            | 7.74 | 5.9               | 2.04            | 89.3 |
| 462      | 10/11/2011 06:00:50 | 16.09  |                 |              | 8.44            | 7.73 | 6.1               | 2.05            | 88.3 |
| 463      | 10/11/2011 06:15:51 | 16.01  |                 |              | 8.57            | 7.74 | 5.8               | 2.07            | 89.6 |
| 464      | 10/11/2011 06:30:51 | 15.96  |                 |              | 8.57            | 7.73 | 6.4               | 2.10            | 89.4 |
| 465      | 10/11/2011 06:45:50 | 15.97  |                 |              | 8.62            | 7.73 | 6.2               | 2.16            | 90.0 |
| 466      | 10/11/2011 07:00:51 | 15.91  |                 |              | 8.60            | 7.73 | 6.5               | 2.22            | 89.7 |
| 467      | 10/11/2011 07:15:50 | 15.89  |                 |              | 8.62            | 7.72 | 6.3               | 2.32            | 89.8 |
| 468      | 10/11/2011 07:30:49 | 15.86  |                 |              | 8.61            | 7.72 | 6.7               | 2.41            | 89.7 |
| 469      | 10/11/2011 07:45:50 | 15.81  |                 |              | 8.62            | 7.72 | 7.2               | 2.47            | 89.7 |
| 470      | 10/11/2011 08:00:51 | 15.73  |                 |              | 8.66            | 7.72 | 7.6               | 2.57            | 89.9 |
| 471      | 10/11/2011 08:15:50 | 15.62  |                 |              | 8.67            | 7.71 | 7.1               | 2.65            | 89.8 |
| 472      | 10/11/2011 08:30:50 | 15.41  |                 |              | 8.76            | 7.71 | 6.8               | 2.72            | 90.4 |
| 473      | 10/11/2011 08:45:51 | 15.29  |                 |              | 8.95            | 7.72 | 6.1               | 2.81            | 92.1 |
| 474      | 10/11/2011 09:00:51 | 15.26  |                 |              | 8.99            | 7.72 | 6.2               | 2.91            | 92.4 |
| 475      | 10/11/2011 09:15:50 | 15.18  |                 |              | 8.96            | 7.72 | 7.0               | 2.99            | 92.9 |
| 476      | 10/11/2011 09:30:51 | 15.07  |                 |              | 9.04            | 7.72 | 6.7               | 3.06            | 92.8 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 477      | 10/11/2011 09:45:51 | 14.88  |                 |              | 9.10            | 7.72 | 7.1               | 3.15            | 92.9  |
| 478      | 10/11/2011 10:00:51 | 14.75  |                 |              | 9.13            | 7.72 | 7.1               | 3.23            | 93.0  |
| 479      | 10/11/2011 10:15:50 | 14.55  |                 |              | 9.25            | 7.72 | 7.4               | 3.33            | 93.7  |
| 480      | 10/11/2011 10:30:51 | 14.30  |                 |              | 9.39            | 7.73 | 7.9               | 3.41            | 94.6  |
| 481      | 10/11/2011 10:45:50 | 14.17  |                 |              | 9.46            | 7.73 | 6.6               | 3.51            | 95.1  |
| 482      | 10/11/2011 11:00:51 | 14.08  |                 |              | 9.51            | 7.73 | 6.2               | 3.57            | 95.3  |
| 483      | 10/11/2011 11:15:49 | 13.95  |                 |              | 9.61            | 7.74 | 5.5               | 3.64            | 96.1  |
| 484      | 10/11/2011 11:30:50 | 13.82  |                 |              | 9.68            | 7.74 | 5.1               | 3.71            | 96.6  |
| 485      | 10/11/2011 11:45:51 | 13.68  |                 |              | 9.74            | 7.75 | 4.6               | 3.75            | 96.8  |
| 486      | 10/11/2011 12:00:51 | 13.64  |                 |              | 9.71            | 7.75 | 3.8               | 3.78            | 96.4  |
| 487      | 10/11/2011 12:15:51 | 13.65  |                 |              | 9.55            | 7.74 | 3.4               | 3.80            | 94.9  |
| 488      | 10/11/2011 12:30:51 | 13.65  |                 |              | 9.63            | 7.74 | 3.9               | 3.81            | 95.6  |
| 489      | 10/11/2011 12:45:50 | 13.65  |                 |              | 9.67            | 7.74 | 4.1               | 3.78            | 96.0  |
| 490      | 10/11/2011 13:00:50 | 13.68  |                 |              | 9.64            | 7.74 | 4.3               | 3.71            | 95.8  |
| 491      | 10/11/2011 13:15:50 | 14.43  |                 |              | 9.66            | 7.75 | 6.0               | 3.64            | 97.6  |
| 492      | 10/11/2011 13:30:51 | 15.12  |                 |              | 10.00           | 7.78 | 6.3               | 3.58            | 102.5 |
| 493      | 10/11/2011 13:45:51 | 15.05  |                 |              | 9.92            | 7.77 | 8.8               | 3.46            | 101.6 |
| 494      | 10/11/2011 14:00:50 | 15.17  |                 |              | 9.72            | 7.76 | 6.9               | 3.37            | 99.8  |
| 495      | 10/11/2011 14:15:51 | 15.19  |                 |              | 9.74            | 7.76 | 6.5               | 3.24            | 100.0 |
| 496      | 10/11/2011 14:30:51 | 15.37  |                 |              | 9.73            | 7.76 | 8.5               | 3.14            | 100.3 |
| 497      | 10/11/2011 14:45:51 | 15.47  |                 |              | 9.79            | 7.77 | 6.7               | 3.03            | 101.1 |
| 498      | 10/11/2011 15:00:51 | 15.81  |                 |              | 9.79            | 7.78 | 7.1               | 2.93            | 101.9 |
| 499      | 10/11/2011 15:15:51 | 15.96  |                 |              | 9.76            | 7.78 | 7.5               | 2.84            | 101.9 |
| 500      | 10/11/2011 15:30:51 | 16.18  |                 |              | 10.33           | 7.81 | 7.8               | 2.71            | 108.3 |
| 501      | 10/11/2011 15:45:50 | 16.20  |                 |              | 10.38           | 7.81 | 8.1               | 2.58            | 108.9 |
| 502      | 10/11/2011 16:00:51 | 16.33  |                 |              | 10.25           | 7.81 | 8.6               | 2.45            | 107.8 |
| 503      | 10/11/2011 16:15:50 | 16.45  |                 |              | 10.20           | 7.81 | 8.4               | 2.34            | 107.5 |
| 504      | 10/11/2011 16:30:50 | 16.64  |                 |              | 10.43           | 7.83 | 8.8               | 2.23            | 110.4 |
| 505      | 10/11/2011 16:45:50 | 16.77  |                 |              | 10.38           | 7.83 | 8.7               | 2.09            | 110.3 |
| 506      | 10/11/2011 17:00:50 | 16.94  |                 |              | 10.51           | 7.84 | 8.7               | 1.97            | 112.0 |
| 507      | 10/11/2011 17:15:50 | 17.02  |                 |              | 10.57           | 7.85 | 7.8               | 1.91            | 112.8 |
| 508      | 10/11/2011 17:30:50 | 17.04  |                 |              | 10.52           | 7.85 | 7.3               | 1.80            | 112.3 |
| 509      | 10/11/2011 17:45:50 | 17.14  |                 |              | 10.55           | 7.85 | 8.3               | 1.74            | 112.9 |
| 510      | 10/11/2011 18:00:50 | 17.31  |                 |              | 10.70           | 7.87 | 7.0               | 1.69            | 114.9 |
| 511      | 10/11/2011 18:15:51 | 17.35  |                 |              | 10.70           | 7.88 | 6.5               | 1.65            | 115.0 |
| 512      | 10/11/2011 18:30:51 | 17.44  |                 |              | 10.78           | 7.89 | 6.2               | 1.65            | 116.0 |
| 513      | 10/11/2011 18:45:50 | 17.40  |                 |              | 10.77           | 7.88 | 5.7               | 1.63            | 115.8 |
| 514      | 10/11/2011 19:00:49 | 17.36  |                 |              | 10.82           | 7.89 | 5.6               | 1.69            | 116.3 |
| 515      | 10/11/2011 19:15:50 | 17.28  |                 |              | 10.69           | 7.87 | 5.9               | 1.75            | 114.7 |
| 516      | 10/11/2011 19:30:50 | 17.25  |                 |              | 10.70           | 7.87 | 5.8               | 1.80            | 114.7 |
| 517      | 10/11/2011 19:45:50 | 17.23  |                 |              | 10.59           | 7.86 | 6.1               | 1.92            | 113.5 |
| 518      | 10/11/2011 20:00:50 | 17.31  |                 |              | 10.27           | 7.84 | 7.1               | 2.02            | 110.3 |
| 519      | 10/11/2011 20:15:50 | 17.27  |                 |              | 10.11           | 7.82 | 6.7               | 2.09            | 108.4 |
| 520      | 10/11/2011 20:30:50 | 17.10  |                 |              | 10.20           | 7.82 | 6.8               | 2.17            | 109.1 |
| 521      | 10/11/2011 20:45:50 | 17.03  |                 |              | 10.10           | 7.82 | 6.5               | 2.23            | 107.9 |
| 522      | 10/11/2011 21:00:50 | 16.87  |                 |              | 9.95            | 7.80 | 7.1               | 2.37            | 105.8 |
| 523      | 10/11/2011 21:15:50 | 16.69  |                 |              | 9.80            | 7.79 | 6.5               | 2.44            | 103.8 |
| 524      | 10/11/2011 21:30:50 | 16.58  |                 |              | 9.66            | 7.77 | 7.1               | 2.54            | 102.1 |
| 525      | 10/11/2011 21:45:50 | 16.38  |                 |              | 9.49            | 7.76 | 6.8               | 2.61            | 99.9  |
| 526      | 10/11/2011 22:00:50 | 16.27  |                 |              | 9.47            | 7.75 | 7.7               | 2.72            | 99.5  |
| 527      | 10/11/2011 22:15:50 | 16.18  |                 |              | 9.46            | 7.75 | 7.1               | 2.80            | 99.2  |
| 528      | 10/11/2011 22:30:50 | 16.04  |                 |              | 9.46            | 7.75 | 7.6               | 2.88            | 99.0  |
| 529      | 10/11/2011 22:45:51 | 15.84  |                 |              | 9.45            | 7.75 | 7.3               | 2.97            | 98.4  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 530      | 10/11/2011 23:00:50 | 15.71  |                 |              | 9.44            | 7.74 | 7.8               | 3.08            | 98.0  |
| 531      | 10/11/2011 23:15:50 | 15.45  |                 |              | 9.51            | 7.74 | 10.1              | 3.13            | 98.2  |
| 532      | 10/11/2011 23:30:50 | 15.29  |                 |              | 9.55            | 7.74 | 8.9               | 3.21            | 98.3  |
| 533      | 10/11/2011 23:45:51 | 15.13  |                 |              | 9.56            | 7.74 | 7.5               | 3.28            | 98.0  |
| 534      | 10/12/2011 00:00:50 | 14.87  |                 |              | 9.67            | 7.74 | 7.2               | 3.36            | 98.7  |
| 535      | 10/12/2011 00:15:51 | 14.67  |                 |              | 9.77            | 7.75 | 6.7               | 3.40            | 99.2  |
| 536      | 10/12/2011 00:30:51 | 14.59  |                 |              | 9.78            | 7.75 | 5.9               | 3.47            | 99.1  |
| 537      | 10/12/2011 00:45:50 | 14.41  |                 |              | 9.88            | 7.75 | 5.2               | 3.50            | 99.7  |
| 538      | 10/12/2011 01:00:50 | 14.33  |                 |              | 9.85            | 7.75 | 4.3               | 3.51            | 99.3  |
| 539      | 10/12/2011 01:15:50 | 14.38  |                 |              | 9.81            | 7.75 | 4.7               | 3.52            | 99.0  |
| 540      | 10/12/2011 01:30:50 | 14.34  |                 |              | 9.88            | 7.75 | 5.4               | 3.53            | 99.6  |
| 541      | 10/12/2011 01:45:50 | 14.39  |                 |              | 9.84            | 7.75 | 4.9               | 3.47            | 99.3  |
| 542      | 10/12/2011 02:00:50 | 14.92  |                 |              | 9.43            | 7.74 | 6.1               | 3.40            | 96.2  |
| 543      | 10/12/2011 02:15:50 | 15.11  |                 |              | 9.31            | 7.73 | 7.0               | 3.33            | 95.4  |
| 544      | 10/12/2011 02:30:50 | 15.18  |                 |              | 9.15            | 7.72 | 6.6               | 3.25            | 93.9  |
| 545      | 10/12/2011 02:45:50 | 15.09  |                 |              | 9.27            | 7.72 | 8.1               | 3.16            | 94.9  |
| 546      | 10/12/2011 03:00:51 | 15.42  |                 |              | 9.18            | 7.73 | 7.3               | 3.11            | 94.7  |
| 547      | 10/12/2011 03:15:50 | 15.58  |                 |              | 9.14            | 7.73 | 7.3               | 2.98            | 94.6  |
| 548      | 10/12/2011 03:30:50 | 15.74  |                 |              | 9.07            | 7.73 | 7.0               | 2.90            | 94.3  |
| 549      | 10/12/2011 03:45:50 | 15.76  |                 |              | 8.97            | 7.72 | 8.7               | 2.84            | 93.3  |
| 550      | 10/12/2011 04:00:50 | 15.81  |                 |              | 8.76            | 7.71 | 6.7               | 2.73            | 91.1  |
| 551      | 10/12/2011 04:15:50 | 15.84  |                 |              | 8.81            | 7.71 | 7.6               | 2.65            | 91.7  |
| 552      | 10/12/2011 04:30:50 | 15.85  |                 |              | 8.87            | 7.72 | 7.0               | 2.57            | 92.4  |
| 553      | 10/12/2011 04:45:50 | 15.99  |                 |              | 8.97            | 7.73 | 7.0               | 2.52            | 93.7  |
| 554      | 10/12/2011 05:00:51 | 16.11  |                 |              | 9.01            | 7.74 | 6.9               | 2.45            | 94.4  |
| 555      | 10/12/2011 05:15:50 | 16.08  |                 |              | 8.95            | 7.73 | 7.0               | 2.32            | 93.6  |
| 556      | 10/12/2011 05:30:50 | 16.18  |                 |              | 8.94            | 7.73 | 6.8               | 2.28            | 93.7  |
| 557      | 10/12/2011 05:45:50 | 16.24  |                 |              | 8.94            | 7.74 | 6.3               | 2.21            | 93.9  |
| 558      | 10/12/2011 06:00:50 | 16.33  |                 |              | 8.92            | 7.74 | 6.0               | 2.20            | 93.8  |
| 559      | 10/12/2011 06:15:50 | 16.33  |                 |              | 8.81            | 7.74 | 6.0               | 2.18            | 92.7  |
| 560      | 10/12/2011 06:30:51 | 16.42  |                 |              | 8.87            | 7.75 | 5.7               | 2.15            | 93.4  |
| 561      | 10/12/2011 06:45:51 | 16.35  |                 |              | 8.82            | 7.74 | 5.6               | 2.18            | 92.8  |
| 562      | 10/12/2011 07:00:50 | 16.33  |                 |              | 8.89            | 7.74 | 5.6               | 2.18            | 93.5  |
| 563      | 10/12/2011 07:15:50 | 16.29  |                 |              | 8.85            | 7.74 | 5.7               | 2.24            | 93.1  |
| 564      | 10/12/2011 07:30:50 | 16.27  |                 |              | 8.89            | 7.74 | 6.4               | 2.30            | 93.5  |
| 565      | 10/12/2011 07:45:50 | 16.25  |                 |              | 8.88            | 7.73 | 6.8               | 2.40            | 93.3  |
| 566      | 10/12/2011 08:00:50 | 16.21  |                 |              | 8.80            | 7.72 | 7.1               | 2.46            | 92.3  |
| 567      | 10/12/2011 08:15:50 | 16.17  |                 |              | 8.74            | 7.72 | 6.9               | 2.56            | 91.7  |
| 568      | 10/12/2011 08:30:50 | 16.12  |                 |              | 8.82            | 7.72 | 7.8               | 2.64            | 92.3  |
| 569      | 10/12/2011 08:45:50 | 15.95  |                 |              | 8.83            | 7.71 | 7.0               | 2.72            | 92.2  |
| 570      | 10/12/2011 09:00:50 | 15.81  |                 |              | 8.88            | 7.71 | 6.9               | 2.79            | 92.4  |
| 571      | 10/12/2011 09:15:51 | 15.69  |                 |              | 9.08            | 7.73 | 6.6               | 2.88            | 94.2  |
| 572      | 10/12/2011 09:30:51 | 15.61  |                 |              | 9.13            | 7.73 | 6.7               | 2.95            | 94.6  |
| 573      | 10/12/2011 09:45:50 | 15.55  |                 |              | 9.17            | 7.73 | 6.6               | 3.06            | 94.9  |
| 574      | 10/12/2011 10:00:50 | 15.39  |                 |              | 9.24            | 7.73 | 7.6               | 3.13            | 95.3  |
| 575      | 10/12/2011 10:15:50 | 15.17  |                 |              | 9.33            | 7.73 | 7.2               | 3.21            | 95.8  |
| 576      | 10/12/2011 10:30:50 | 15.01  |                 |              | 9.41            | 7.73 | 7.8               | 3.28            | 96.2  |
| 577      | 10/12/2011 10:45:50 | 14.74  |                 |              | 9.55            | 7.73 | 9.1               | 3.38            | 97.1  |
| 578      | 10/12/2011 11:00:51 | 14.46  |                 |              | 9.74            | 7.74 | 8.5               | 3.46            | 98.5  |
| 579      | 10/12/2011 11:15:50 | 14.33  |                 |              | 9.82            | 7.75 | 6.5               | 3.57            | 99.1  |
| 580      | 10/12/2011 11:30:51 | 14.11  |                 |              | 9.96            | 7.75 | 6.1               | 3.61            | 99.9  |
| 581      | 10/12/2011 11:45:50 | 14.00  |                 |              | 10.03           | 7.75 | 6.0               | 3.68            | 100.4 |
| 582      | 10/12/2011 12:00:51 | 13.88  |                 |              | 10.11           | 7.76 | 6.7               | 3.73            | 101.0 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 583      | 10/12/2011 12:15:50 | 13.85  |                 |              | 10.14           | 7.76 | 5.5               | 3.74            | 101.2 |
| 584      | 10/12/2011 12:30:51 | 13.67  |                 |              | 10.26           | 7.76 | 5.4               | 3.79            | 102.0 |
| 585      | 10/12/2011 12:45:50 | 13.76  |                 |              | 10.12           | 7.76 | 8.0               | 3.80            | 100.7 |
| 586      | 10/12/2011 13:00:51 | 13.77  |                 |              | 10.16           | 7.76 | 4.3               | 3.78            | 101.2 |
| 587      | 10/12/2011 13:15:50 | 13.74  |                 |              | 10.22           | 7.76 | 4.8               | 3.73            | 101.7 |
| 588      | 10/12/2011 13:30:51 | 13.90  |                 |              | 10.09           | 7.76 | 4.5               | 3.70            | 100.8 |
| 589      | 10/12/2011 13:45:50 | 14.80  |                 |              | 10.12           | 7.77 | 5.3               | 3.64            | 103.1 |
| 590      | 10/12/2011 14:00:50 | 15.07  |                 |              | 10.45           | 7.79 | 7.5               | 3.53            | 107.0 |
| 591      | 10/12/2011 14:15:50 | 14.96  |                 |              | 10.56           | 7.79 | 7.8               | 3.45            | 108.0 |
| 592      | 10/12/2011 14:30:51 | 15.35  |                 |              | 10.03           | 7.77 | 8.4               | 3.35            | 103.4 |
| 593      | 10/12/2011 14:45:50 | 15.58  |                 |              | 9.96            | 7.77 | 6.6               | 3.25            | 103.1 |
| 594      | 10/12/2011 15:00:50 | 15.70  |                 |              | 9.57            | 7.77 | 7.4               | 3.11            | 102.7 |
| 595      | 10/12/2011 15:15:50 | 15.84  |                 |              | 9.95            | 7.77 | 6.8               | 3.00            | 103.7 |
| 596      | 10/12/2011 15:30:50 | 16.07  |                 |              | 9.98            | 7.78 | 7.5               | 2.91            | 104.5 |
| 597      | 10/12/2011 15:45:50 | 16.21  |                 |              | 10.03           | 7.79 | 7.6               | 2.80            | 105.3 |
| 598      | 10/12/2011 16:00:50 | 16.28  |                 |              | 10.43           | 7.81 | 6.8               | 2.67            | 109.6 |
| 599      | 10/12/2011 16:15:50 | 16.33  |                 |              | 10.21           | 7.80 | 7.8               | 2.56            | 107.5 |
| 600      | 10/12/2011 16:30:51 | 16.38  |                 |              | 10.47           | 7.82 | 7.8               | 2.42            | 110.3 |
| 601      | 10/12/2011 16:45:50 | 16.56  |                 |              | 10.43           | 7.82 | 8.2               | 2.31            | 110.4 |
| 602      | 10/12/2011 17:00:50 | 16.67  |                 |              | 10.56           | 7.83 | 9.2               | 2.20            | 111.9 |
| 603      | 10/12/2011 17:15:51 | 16.72  |                 |              | 10.60           | 7.84 | 8.0               | 2.08            | 112.5 |
| 604      | 10/12/2011 17:30:50 | 16.84  |                 |              | 10.58           | 7.84 | 8.5               | 1.93            | 112.6 |
| 605      | 10/12/2011 17:45:51 | 16.92  |                 |              | 10.52           | 7.85 | 8.3               | 1.84            | 112.1 |
| 606      | 10/12/2011 18:00:50 | 16.97  |                 |              | 10.43           | 7.84 | 7.9               | 1.77            | 111.3 |
| 607      | 10/12/2011 18:15:50 | 17.03  |                 |              | 10.49           | 7.85 | 11.2              | 1.68            | 112.0 |
| 608      | 10/12/2011 18:30:50 | 17.18  |                 |              | 10.59           | 7.86 | 8.2               | 1.59            | 113.4 |
| 609      | 10/12/2011 18:45:50 | 17.25  |                 |              | 10.59           | 7.86 | 8.7               | 1.60            | 113.6 |
| 610      | 10/12/2011 19:00:50 | 17.29  |                 |              | 10.76           | 7.88 | 7.1               | 1.55            | 115.5 |
| 611      | 10/12/2011 19:15:50 | 17.28  |                 |              | 10.65           | 7.87 | 6.3               | 1.57            | 114.3 |
| 612      | 10/12/2011 19:30:50 | 17.25  |                 |              | 10.70           | 7.87 | 6.2               | 1.61            | 114.8 |
| 613      | 10/12/2011 19:45:50 | 17.20  |                 |              | 10.73           | 7.87 | 5.7               | 1.67            | 115.1 |
| 614      | 10/12/2011 20:00:50 | 17.18  |                 |              | 10.74           | 7.87 | 6.2               | 1.72            | 115.1 |
| 615      | 10/12/2011 20:15:50 | 17.16  |                 |              | 10.73           | 7.87 | 7.1               | 1.79            | 114.8 |
| 616      | 10/12/2011 20:30:50 | 17.13  |                 |              | 10.57           | 7.85 | 6.5               | 1.91            | 113.1 |
| 617      | 10/12/2011 20:45:50 | 17.11  |                 |              | 10.27           | 7.83 | 7.1               | 1.96            | 109.9 |
| 618      | 10/12/2011 21:00:50 | 17.05  |                 |              | 10.30           | 7.83 | 6.6               | 2.08            | 110.0 |
| 619      | 10/12/2011 21:15:50 | 17.02  |                 |              | 10.22           | 7.82 | 6.5               | 2.16            | 109.1 |
| 620      | 10/12/2011 21:30:50 | 16.98  |                 |              | 10.11           | 7.81 | 7.1               | 2.25            | 107.8 |
| 621      | 10/12/2011 21:45:51 | 16.84  |                 |              | 9.99            | 7.80 | 6.8               | 2.35            | 106.2 |
| 622      | 10/12/2011 22:00:50 | 16.73  |                 |              | 9.86            | 7.79 | 6.3               | 2.43            | 104.6 |
| 623      | 10/12/2011 22:15:50 | 16.61  |                 |              | 9.71            | 7.78 | 6.9               | 2.54            | 102.8 |
| 624      | 10/12/2011 22:30:50 | 16.46  |                 |              | 9.62            | 7.77 | 7.0               | 2.63            | 101.5 |
| 625      | 10/12/2011 22:45:50 | 16.37  |                 |              | 9.61            | 7.76 | 6.7               | 2.71            | 101.2 |
| 626      | 10/12/2011 23:00:50 | 16.31  |                 |              | 9.62            | 7.76 | 7.3               | 2.81            | 101.1 |
| 627      | 10/12/2011 23:15:50 | 16.14  |                 |              | 9.60            | 7.76 | 7.6               | 2.89            | 100.6 |
| 628      | 10/12/2011 23:30:50 | 15.96  |                 |              | 9.60            | 7.75 | 7.0               | 2.97            | 100.2 |
| 629      | 10/12/2011 23:45:51 | 15.81  |                 |              | 9.59            | 7.75 | 7.9               | 3.04            | 99.8  |
| 630      | 10/13/2011 00:00:50 | 15.57  |                 |              | 9.69            | 7.75 | 9.1               | 3.11            | 100.3 |
| 631      | 10/13/2011 00:15:50 | 15.43  |                 |              | 9.71            | 7.75 | 7.4               | 3.18            | 100.2 |
| 632      | 10/13/2011 00:30:50 | 15.10  |                 |              | 9.86            | 7.75 | 6.7               | 3.26            | 101.0 |
| 633      | 10/13/2011 00:45:50 | 14.84  |                 |              | 9.98            | 7.76 | 6.8               | 3.33            | 101.8 |
| 634      | 10/13/2011 01:00:51 | 14.58  |                 |              | 10.13           | 7.76 | 6.0               | 3.37            | 102.6 |
| 635      | 10/13/2011 01:15:51 | 14.41  |                 |              | 10.22           | 7.77 | 5.7               | 3.42            | 103.2 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 636      | 10/13/2011 01:30:51 | 14.23  |                 |              | 10.33           | 7.77 | 5.2               | 3.45            | 103.8 |
| 637      | 10/13/2011 01:45:51 | 14.28  |                 |              | 10.22           | 7.77 | 5.6               | 3.45            | 102.9 |
| 638      | 10/13/2011 02:00:50 | 14.18  |                 |              | 10.23           | 7.76 | 4.5               | 3.45            | 102.8 |
| 639      | 10/13/2011 02:15:51 | 14.19  |                 |              | 10.27           | 7.77 | 4.8               | 3.43            | 103.2 |
| 640      | 10/13/2011 02:30:50 | 14.52  |                 |              | 10.03           | 7.76 | 4.9               | 3.37            | 101.5 |
| 641      | 10/13/2011 02:45:50 | 15.22  |                 |              | 9.49            | 7.75 | 6.7               | 3.30            | 97.5  |
| 642      | 10/13/2011 03:00:50 | 15.17  |                 |              | 9.60            | 7.75 | 7.7               | 3.24            | 98.6  |
| 643      | 10/13/2011 03:15:51 | 15.36  |                 |              | 9.42            | 7.74 | 6.7               | 3.16            | 97.0  |
| 644      | 10/13/2011 03:30:51 | 15.37  |                 |              | 9.34            | 7.74 | 7.4               | 3.06            | 96.2  |
| 645      | 10/13/2011 03:45:51 | 15.50  |                 |              | 9.27            | 7.74 | 7.3               | 2.98            | 95.8  |
| 646      | 10/13/2011 04:00:51 | 15.70  |                 |              | 9.14            | 7.73 | 6.7               | 2.92            | 94.9  |
| 647      | 10/13/2011 04:15:51 | 15.75  |                 |              | 9.09            | 7.73 | 6.6               | 2.82            | 94.5  |
| 648      | 10/13/2011 04:30:50 | 15.89  |                 |              | 8.97            | 7.73 | 6.6               | 2.73            | 93.5  |
| 649      | 10/13/2011 04:45:50 | 15.79  |                 |              | 8.86            | 7.72 | 7.2               | 2.66            | 92.1  |
| 650      | 10/13/2011 05:00:50 | 15.82  |                 |              | 8.84            | 7.72 | 6.8               | 2.58            | 92.0  |
| 651      | 10/13/2011 05:15:50 | 15.89  |                 |              | 8.92            | 7.72 | 6.3               | 2.51            | 93.1  |
| 652      | 10/13/2011 05:30:50 | 16.01  |                 |              | 9.06            | 7.73 | 6.6               | 2.44            | 94.7  |
| 653      | 10/13/2011 05:45:50 | 16.05  |                 |              | 9.04            | 7.74 | 6.5               | 2.37            | 94.5  |
| 654      | 10/13/2011 06:00:50 | 16.05  |                 |              | 9.02            | 7.74 | 5.9               | 2.32            | 94.3  |
| 655      | 10/13/2011 06:15:50 | 16.10  |                 |              | 8.94            | 7.74 | 6.1               | 2.27            | 93.6  |
| 656      | 10/13/2011 06:30:49 | 16.16  |                 |              | 8.89            | 7.74 | 5.9               | 2.23            | 93.2  |
| 657      | 10/13/2011 06:45:50 | 16.22  |                 |              | 8.86            | 7.74 | 5.2               | 2.22            | 93.1  |
| 658      | 10/13/2011 07:00:50 | 16.17  |                 |              | 8.74            | 7.74 | 5.4               | 2.21            | 91.7  |
| 659      | 10/13/2011 07:15:50 | 16.12  |                 |              | 8.82            | 7.73 | 5.4               | 2.22            | 92.4  |
| 660      | 10/13/2011 07:30:50 | 16.12  |                 |              | 8.86            | 7.73 | 5.4               | 2.23            | 92.9  |
| 661      | 10/13/2011 07:45:50 | 16.10  |                 |              | 8.87            | 7.73 | 6.2               | 2.30            | 92.9  |
| 662      | 10/13/2011 08:00:50 | 16.11  |                 |              | 9.00            | 7.74 | 6.2               | 2.36            | 94.3  |
| 663      | 10/13/2011 08:15:51 | 16.00  |                 |              | 8.92            | 7.73 | 7.1               | 2.43            | 93.2  |
| 664      | 10/13/2011 08:30:51 | 15.95  |                 |              | 8.84            | 7.72 | 7.2               | 2.49            | 92.3  |
| 665      | 10/13/2011 08:45:51 | 15.95  |                 |              | 8.85            | 7.72 | 7.1               | 2.59            | 92.5  |
| 666      | 10/13/2011 09:00:51 | 15.93  |                 |              | 8.94            | 7.72 | 7.1               | 2.68            | 93.3  |
| 667      | 10/13/2011 09:15:50 | 15.78  |                 |              | 9.02            | 7.72 | 6.7               | 2.75            | 93.9  |
| 668      | 10/13/2011 09:30:50 | 15.69  |                 |              | 9.09            | 7.72 | 6.6               | 2.82            | 94.5  |
| 669      | 10/13/2011 09:45:50 | 15.57  |                 |              | 9.34            | 7.74 | 6.2               | 2.92            | 96.7  |
| 670      | 10/13/2011 10:00:51 | 15.45  |                 |              | 9.42            | 7.74 | 5.9               | 2.99            | 97.3  |
| 671      | 10/13/2011 10:15:50 | 15.38  |                 |              | 9.49            | 7.74 | 6.5               | 3.08            | 97.9  |
| 672      | 10/13/2011 10:30:50 | 15.07  |                 |              | 9.65            | 7.74 | 7.0               | 3.14            | 98.9  |
| 673      | 10/13/2011 10:45:50 | 14.77  |                 |              | 9.79            | 7.74 | 8.1               | 3.24            | 99.6  |
| 674      | 10/13/2011 11:00:50 | 14.51  |                 |              | 9.96            | 7.75 | 9.9               | 3.31            | 100.7 |
| 675      | 10/13/2011 11:15:50 | 14.35  |                 |              | 10.04           | 7.75 | 8.1               | 3.40            | 101.3 |
| 676      | 10/13/2011 11:30:50 | 14.31  |                 |              | 10.10           | 7.76 | 6.9               | 3.48            | 101.8 |
| 677      | 10/13/2011 11:45:50 | 14.20  |                 |              | 10.17           | 7.76 | 6.0               | 3.55            | 102.3 |
| 678      | 10/13/2011 12:00:51 | 14.07  |                 |              | 10.26           | 7.76 | 5.2               | 3.64            | 102.8 |
| 679      | 10/13/2011 12:15:50 | 13.88  |                 |              | 10.33           | 7.77 | 5.8               | 3.67            | 103.1 |
| 680      | 10/13/2011 12:30:50 | 13.74  |                 |              | 10.38           | 7.77 | 4.3               | 3.74            | 103.3 |
| 681      | 10/13/2011 12:45:50 | 13.73  |                 |              | 10.37           | 7.77 | 6.0               | 3.77            | 103.2 |
|          | Mean                | 14.99  | 48.69           | 31.78        | 9.35            | 7.77 | 6.5               | 2.68            | 98.7  |
|          | Minimum             | 13.12  | 47.26           | 30.76        | 7.53            | 7.67 | 3.1               | 1.46            | 88.3  |
|          | Maximum             | 17.44  | 49.25           | 32.18        | 11.25           | 7.92 | 11.2              | 3.81            | 118.8 |

| Parameter | Criteria | Source |
|-----------|----------|--------|
|-----------|----------|--------|



sonde #3

Indian Island Long-Term Deployment Water Quality Data

| Sample #            |  | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%                                                                          |
|---------------------|--|-------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|------------------------------------------------------------------------------|
| Dissolved<br>Oxygen |  | 6.0 mg/L (min)    |        |                 |              |                 |    |                   |                 | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH                  |  | 7.0 - 8.5 (range) |        |                 |              |                 |    |                   |                 | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

Conductivity Probe malfunction during deployment

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 0        | 10/13/2011 13:16:19 | 13.88  | 49.82  | 32.60        | 9.02    | 7.87 | 4.0        | 3.64   | 106.8 |
| 1        | 10/13/2011 13:31:19 | 13.83  | 49.86  | 32.63        | 9.04    | 7.88 | 4.0        | 3.62   | 106.9 |
| 2        | 10/13/2011 13:46:19 | 13.81  | 49.87  | 32.63        | 8.94    | 7.89 | 3.7        | 3.58   | 105.7 |
| 3        | 10/13/2011 14:01:19 | 14.74  | 49.51  | 32.40        | 9.07    | 7.90 | 5.6        | 3.52   | 109.1 |
| 4        | 10/13/2011 14:16:19 | 15.03  | 49.44  | 32.35        | 9.35    | 7.92 | 5.5        | 3.44   | 113.1 |
| 5        | 10/13/2011 14:31:19 | 15.16  | 49.32  | 32.27        | 9.54    | 7.93 | 6.2        | 3.33   | 115.7 |
| 6        | 10/13/2011 14:46:19 | 15.52  | 49.12  | 32.13        | 9.24    | 7.92 | 6.8        | 3.24   | 112.8 |
| 7        | 10/13/2011 15:01:19 | 15.49  | 49.00  | 32.04        | 8.94    | 7.90 | 7.1        | 3.13   | 109.0 |
| 8        | 10/13/2011 15:16:19 | 15.63  | 48.96  | 32.02        | 8.97    | 7.91 | 6.9        | 3.03   | 109.6 |
| 9        | 10/13/2011 15:31:19 | 15.57  | 48.98  | 32.03        | 8.91    | 7.90 | 6.6        | 2.92   | 108.8 |
| 10       | 10/13/2011 15:46:19 | 15.93  | 48.82  | 31.92        | 8.90    | 7.91 | 6.7        | 2.82   | 109.3 |
| 11       | 10/13/2011 16:01:19 | 16.22  | 48.67  | 31.81        | 9.09    | 7.93 | 6.7        | 2.69   | 112.3 |
| 12       | 10/13/2011 16:16:19 | 16.34  | 48.58  | 31.75        | 9.14    | 7.93 | 6.4        | 2.59   | 113.0 |
| 13       | 10/13/2011 16:31:19 | 16.26  | 48.76  | 31.88        | 9.47    | 7.95 | 6.7        | 2.47   | 117.1 |
| 14       | 10/13/2011 16:46:19 | 16.45  | 48.54  | 31.72        | 9.23    | 7.94 | 8.7        | 2.34   | 114.5 |
| 15       | 10/13/2011 17:01:19 | 16.55  | 48.49  | 31.69        | 9.34    | 7.94 | 7.1        | 2.23   | 115.9 |
| 16       | 10/13/2011 17:16:19 | 16.76  | 48.33  | 31.57        | 9.29    | 7.95 | 7.5        | 2.10   | 115.7 |
| 17       | 10/13/2011 17:31:19 | 16.81  | 48.34  | 31.58        | 9.37    | 7.96 | 8.8        | 1.99   | 116.9 |
| 18       | 10/13/2011 17:46:19 | 16.89  | 48.27  | 31.53        | 9.40    | 7.96 | 7.8        | 1.86   | 117.4 |
| 19       | 10/13/2011 18:01:19 | 16.97  | 48.22  | 31.50        | 9.45    | 7.97 | 7.9        | 1.74   | 118.1 |
| 20       | 10/13/2011 18:16:19 | 17.01  | 48.13  | 31.43        | 9.36    | 7.97 | 8.7        | 1.65   | 117.1 |
| 21       | 10/13/2011 18:31:19 | 17.09  | 48.01  | 31.35        | 9.35    | 7.97 | 7.5        | 1.55   | 117.1 |
| 22       | 10/13/2011 18:46:19 | 17.17  | 47.91  | 31.27        | 9.35    | 7.97 | 7.6        | 1.48   | 117.3 |
| 23       | 10/13/2011 19:01:19 | 17.24  | 47.81  | 31.20        | 9.38    | 7.97 | 7.0        | 1.42   | 117.6 |
| 24       | 10/13/2011 19:16:19 | 17.40  | 47.65  | 31.08        | 9.63    | 7.99 | 6.7        | 1.39   | 121.1 |
| 25       | 10/13/2011 19:31:19 | 17.42  | 47.62  | 31.06        | 9.65    | 8.00 | 6.0        | 1.37   | 121.4 |
| 26       | 10/13/2011 19:46:19 | 17.39  | 47.58  | 31.04        | 9.60    | 8.00 | 5.9        | 1.38   | 120.7 |
| 27       | 10/13/2011 20:01:19 | 17.34  | 47.64  | 31.08        | 9.71    | 8.00 | 5.2        | 1.43   | 122.0 |
| 28       | 10/13/2011 20:16:19 | 17.33  | 47.62  | 31.06        | 9.74    | 8.00 | 5.6        | 1.47   | 122.3 |
| 29       | 10/13/2011 20:31:19 | 17.31  | 47.64  | 31.08        | 9.76    | 8.00 | 5.7        | 1.55   | 122.5 |
| 30       | 10/13/2011 20:46:19 | 17.28  | 47.38  | 30.89        | 9.62    | 7.98 | 6.4        | 1.63   | 120.6 |
| 31       | 10/13/2011 21:01:19 | 17.25  | 47.55  | 31.02        | 9.49    | 7.97 | 5.7        | 1.70   | 119.0 |
| 32       | 10/13/2011 21:16:19 | 17.22  | 47.54  | 31.01        | 9.40    | 7.96 | 6.0        | 1.80   | 117.8 |
| 33       | 10/13/2011 21:31:19 | 17.21  | 47.39  | 30.89        | 9.25    | 7.95 | 6.1        | 1.88   | 115.8 |
| 34       | 10/13/2011 21:46:19 | 17.18  | 47.55  | 31.01        | 9.23    | 7.95 | 6.2        | 1.96   | 115.6 |
| 35       | 10/13/2011 22:01:19 | 17.14  | 47.60  | 31.05        | 9.15    | 7.94 | 6.3        | 2.04   | 114.5 |
| 36       | 10/13/2011 22:16:19 | 17.00  | 47.83  | 31.21        | 9.01    | 7.93 | 6.3        | 2.12   | 112.5 |
| 37       | 10/13/2011 22:31:19 | 16.91  | 47.93  | 31.28        | 8.90    | 7.91 | 6.5        | 2.22   | 111.0 |
| 38       | 10/13/2011 22:46:19 | 16.84  | 47.98  | 31.32        | 8.83    | 7.91 | 6.3        | 2.31   | 110.0 |
| 39       | 10/13/2011 23:01:19 | 16.68  | 48.20  | 31.48        | 8.67    | 7.89 | 6.5        | 2.39   | 107.8 |
| 40       | 10/13/2011 23:16:19 | 16.62  | 48.32  | 31.57        | 8.63    | 7.89 | 6.4        | 2.48   | 107.3 |
| 41       | 10/13/2011 23:31:19 | 16.54  | 48.41  | 31.63        | 8.62    | 7.89 | 6.5        | 2.57   | 107.0 |
| 42       | 10/13/2011 23:46:19 | 16.35  | 48.48  | 31.68        | 8.61    | 7.88 | 6.5        | 2.64   | 106.4 |
| 43       | 10/14/2011 00:01:19 | 16.14  | 48.51  | 31.69        | 8.56    | 7.88 | 6.8        | 2.72   | 105.5 |
| 44       | 10/14/2011 00:16:19 | 16.00  | 48.62  | 31.77        | 8.55    | 7.87 | 7.1        | 2.80   | 105.2 |
| 45       | 10/14/2011 00:31:19 | 15.80  | 48.75  | 31.87        | 8.61    | 7.88 | 7.4        | 2.87   | 105.5 |
| 46       | 10/14/2011 00:46:19 | 15.67  | 48.85  | 31.93        | 8.62    | 7.88 | 6.8        | 2.95   | 105.4 |
| 47       | 10/14/2011 01:01:19 | 15.50  | 48.91  | 31.98        | 8.62    | 7.87 | 6.2        | 3.01   | 105.0 |
| 48       | 10/14/2011 01:16:19 | 15.25  | 49.09  | 32.11        | 8.65    | 7.87 | 6.1        | 3.07   | 104.9 |
| 49       | 10/14/2011 01:31:19 | 14.89  | 49.33  | 32.27        | 8.67    | 7.87 | 6.1        | 3.13   | 104.6 |
| 50       | 10/14/2011 01:46:19 | 14.68  | 49.48  | 32.37        | 8.70    | 7.87 | 5.5        | 3.18   | 104.6 |
| 51       | 10/14/2011 02:01:19 | 14.58  | 49.56  | 32.43        | 8.75    | 7.88 | 4.5        | 3.21   | 105.0 |
| 52       | 10/14/2011 02:16:19 | 14.53  | 49.59  | 32.45        | 8.74    | 7.88 | 4.1        | 3.24   | 104.8 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 53       | 10/14/2011 02:31:19 | 14.57  | 49.57  | 32.44        | 8.61    | 7.87 | 4.0        | 3.24   | 103.3 |
| 54       | 10/14/2011 02:46:19 | 14.51  | 49.60  | 32.46        | 8.62    | 7.87 | 4.4        | 3.22   | 103.3 |
| 55       | 10/14/2011 03:01:19 | 14.51  | 49.58  | 32.44        | 8.66    | 7.87 | 4.7        | 3.17   | 103.7 |
| 56       | 10/14/2011 03:16:19 | 15.26  | 49.02  | 32.05        | 8.35    | 7.86 | 6.0        | 3.12   | 101.3 |
| 57       | 10/14/2011 03:31:19 | 15.44  | 48.90  | 31.97        | 8.35    | 7.85 | 6.6        | 3.05   | 101.6 |
| 58       | 10/14/2011 03:46:19 | 15.68  | 48.64  | 31.78        | 8.05    | 7.84 | 7.2        | 2.98   | 98.3  |
| 59       | 10/14/2011 04:01:19 | 15.50  | 48.88  | 31.96        | 8.21    | 7.84 | 6.0        | 2.90   | 100.1 |
| 60       | 10/14/2011 04:16:19 | 15.49  | 48.85  | 31.94        | 8.20    | 7.84 | 5.7        | 2.83   | 99.9  |
| 61       | 10/14/2011 04:31:19 | 15.83  | 48.63  | 31.78        | 8.20    | 7.86 | 6.6        | 2.75   | 100.5 |
| 62       | 10/14/2011 04:46:19 | 15.89  | 48.56  | 31.73        | 8.07    | 7.85 | 6.7        | 2.68   | 98.9  |
| 63       | 10/14/2011 05:01:19 | 16.00  | 48.46  | 31.66        | 8.08    | 7.85 | 6.0        | 2.61   | 99.2  |
| 64       | 10/14/2011 05:16:19 | 16.04  | 48.41  | 31.62        | 8.02    | 7.84 | 5.9        | 2.54   | 98.6  |
| 65       | 10/14/2011 05:31:19 | 15.97  | 48.41  | 31.62        | 7.84    | 7.83 | 6.3        | 2.47   | 96.2  |
| 66       | 10/14/2011 05:46:19 | 16.03  | 48.35  | 31.58        | 7.84    | 7.83 | 6.1        | 2.42   | 96.3  |
| 67       | 10/14/2011 06:01:19 | 16.08  | 48.30  | 31.54        | 8.00    | 7.85 | 5.7        | 2.36   | 98.3  |
| 68       | 10/14/2011 06:16:19 | 16.13  | 48.17  | 31.45        | 8.02    | 7.85 | 5.7        | 2.30   | 98.7  |
| 69       | 10/14/2011 06:31:19 | 16.22  | 48.07  | 31.38        | 8.00    | 7.84 | 5.1        | 2.26   | 98.5  |
| 70       | 10/14/2011 06:46:19 | 16.32  | 47.99  | 31.32        | 8.04    | 7.85 | 4.8        | 2.22   | 99.1  |
| 71       | 10/14/2011 07:01:19 | 16.39  | 47.90  | 31.26        | 7.98    | 7.86 | 4.7        | 2.19   | 98.5  |
| 72       | 10/14/2011 07:16:19 | 16.41  | 47.86  | 31.23        | 8.03    | 7.86 | 4.8        | 2.18   | 99.2  |
| 73       | 10/14/2011 07:31:19 | 16.31  | 47.82  | 31.20        | 7.87    | 7.85 | 4.8        | 2.19   | 97.0  |
| 74       | 10/14/2011 07:46:19 | 16.31  | 47.90  | 31.26        | 7.93    | 7.85 | 5.1        | 2.21   | 97.8  |
| 75       | 10/14/2011 08:01:19 | 16.25  | 47.97  | 31.31        | 7.93    | 7.84 | 4.9        | 2.22   | 97.7  |
| 76       | 10/14/2011 08:16:19 | 16.23  | 48.03  | 31.35        | 7.95    | 7.84 | 6.2        | 2.27   | 98.0  |
| 77       | 10/14/2011 08:31:19 | 16.21  | 48.08  | 31.38        | 7.97    | 7.85 | 5.9        | 2.34   | 98.1  |
| 78       | 10/14/2011 08:46:19 | 16.11  | 47.97  | 31.30        | 7.96    | 7.84 | 6.8        | 2.40   | 97.7  |
| 79       | 10/14/2011 09:01:19 | 16.08  | 47.88  | 31.24        | 7.92    | 7.84 | 6.3        | 2.46   | 97.1  |
| 80       | 10/14/2011 09:16:19 | 16.05  | 48.02  | 31.34        | 7.98    | 7.84 | 6.0        | 2.54   | 97.9  |
| 81       | 10/14/2011 09:31:19 | 16.02  | 48.31  | 31.55        | 8.05    | 7.84 | 5.9        | 2.61   | 98.8  |
| 82       | 10/14/2011 09:46:19 | 15.84  | 48.52  | 31.70        | 8.10    | 7.84 | 5.6        | 2.67   | 99.1  |
| 83       | 10/14/2011 10:01:19 | 15.74  | 48.64  | 31.78        | 8.17    | 7.84 | 5.2        | 2.75   | 99.9  |
| 84       | 10/14/2011 10:16:19 | 15.61  | 48.79  | 31.90        | 8.32    | 7.85 | 5.4        | 2.82   | 101.5 |
| 85       | 10/14/2011 10:31:19 | 15.44  | 48.91  | 31.98        | 8.38    | 7.85 | 5.2        | 2.89   | 102.0 |
| 86       | 10/14/2011 10:46:19 | 15.36  | 49.02  | 32.05        | 8.44    | 7.86 | 4.9        | 2.97   | 102.6 |
| 87       | 10/14/2011 11:01:19 | 15.22  | 49.14  | 32.14        | 8.50    | 7.86 | 5.4        | 3.05   | 103.0 |
| 88       | 10/14/2011 11:16:19 | 14.88  | 49.34  | 32.28        | 8.51    | 7.86 | 6.8        | 3.13   | 102.6 |
| 89       | 10/14/2011 11:31:19 | 14.74  | 49.44  | 32.35        | 8.55    | 7.87 | 6.6        | 3.21   | 102.9 |
| 90       | 10/14/2011 11:46:19 | 14.54  | 49.56  | 32.43        | 8.60    | 7.87 | 6.0        | 3.28   | 103.1 |
| 91       | 10/14/2011 12:01:19 | 14.36  | 49.67  | 32.51        | 8.61    | 7.87 | 5.1        | 3.37   | 102.9 |
| 92       | 10/14/2011 12:16:19 | 14.31  | 49.71  | 32.53        | 8.63    | 7.87 | 4.3        | 3.43   | 103.1 |
| 93       | 10/14/2011 12:31:19 | 14.21  | 49.81  | 32.60        | 8.63    | 7.87 | 4.2        | 3.49   | 102.9 |
| 94       | 10/14/2011 12:46:19 | 14.01  | 49.92  | 32.68        | 8.61    | 7.87 | 3.7        | 3.54   | 102.3 |
| 95       | 10/14/2011 13:01:19 | 13.92  | 49.96  | 32.70        | 8.58    | 7.87 | 3.4        | 3.59   | 101.7 |
| 96       | 10/14/2011 13:16:19 | 13.83  | 50.02  | 32.74        | 8.57    | 7.87 | 3.2        | 3.62   | 101.5 |
| 97       | 10/14/2011 13:31:19 | 13.82  | 50.02  | 32.75        | 8.49    | 7.87 | 3.2        | 3.63   | 100.5 |
| 98       | 10/14/2011 13:46:19 | 13.91  | 49.99  | 32.73        | 8.47    | 7.87 | 3.6        | 3.62   | 100.4 |
| 99       | 10/14/2011 14:01:19 | 13.85  | 50.03  | 32.75        | 8.49    | 7.87 | 3.3        | 3.60   | 100.5 |
| 100      | 10/14/2011 14:16:19 | 13.96  | 49.97  | 32.71        | 8.50    | 7.87 | 3.6        | 3.55   | 100.9 |
| 101      | 10/14/2011 14:31:19 | 15.17  | 49.52  | 32.42        | 9.05    | 7.91 | 4.6        | 3.48   | 109.9 |
| 102      | 10/14/2011 14:46:19 | 15.38  | 49.44  | 32.36        | 9.35    | 7.92 | 5.6        | 3.40   | 113.9 |
| 103      | 10/14/2011 15:01:19 | 15.47  | 49.40  | 32.33        | 9.28    | 7.92 | 5.4        | 3.32   | 113.3 |
| 104      | 10/14/2011 15:16:19 | 15.62  | 49.19  | 32.18        | 9.13    | 7.91 | 5.7        | 3.22   | 111.7 |
| 105      | 10/14/2011 15:31:19 | 15.62  | 49.16  | 32.16        | 9.06    | 7.91 | 6.2        | 3.11   | 110.8 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 106      | 10/14/2011 15:46:19 | 15.88  | 49.09  | 32.11        | 9.14    | 7.92 | 7.3        | 3.02            | 112.3 |
| 107      | 10/14/2011 16:01:19 | 15.92  | 49.02  | 32.07        | 9.13    | 7.91 | 5.4        | 2.91            | 112.2 |
| 108      | 10/14/2011 16:16:19 | 16.08  | 48.91  | 31.99        | 9.19    | 7.92 | 5.9        | 2.80            | 113.3 |
| 109      | 10/14/2011 16:31:19 | 16.32  | 48.75  | 31.88        | 9.23    | 7.92 | 5.7        | 2.69            | 114.3 |
| 110      | 10/14/2011 16:46:19 | 16.43  | 48.67  | 31.82        | 9.24    | 7.92 | 6.4        | 2.58            | 114.6 |
| 111      | 10/14/2011 17:01:19 | 16.43  | 48.68  | 31.83        | 9.14    | 7.92 | 6.8        | 2.46            | 113.3 |
| 112      | 10/14/2011 17:16:19 | 16.40  | 48.73  | 31.86        | 9.40    | 7.94 | 6.7        | 2.34            | 116.5 |
| 113      | 10/14/2011 17:31:19 | 16.64  | 48.51  | 31.70        | 9.36    | 7.94 | 7.3        | 2.22            | 116.4 |
| 114      | 10/14/2011 17:46:19 | 16.65  | 48.53  | 31.72        | 9.39    | 7.94 | 7.4        | 2.11            | 116.8 |
| 115      | 10/14/2011 18:01:19 | 16.77  | 48.45  | 31.66        | 9.42    | 7.95 | 7.9        | 1.99            | 117.5 |
| 116      | 10/14/2011 18:16:19 | 16.94  | 48.32  | 31.57        | 9.44    | 7.96 | 7.8        | 1.87            | 118.0 |
| 117      | 10/14/2011 18:31:19 | 16.96  | 48.28  | 31.54        | 9.47    | 7.96 | 7.3        | 1.76            | 118.4 |
| 118      | 10/14/2011 18:46:19 | 16.98  | 48.26  | 31.52        | 9.43    | 7.96 | 7.3        | 1.65            | 118.0 |
| 119      | 10/14/2011 19:01:19 | 17.04  | 48.19  | 31.48        | 9.38    | 7.96 | 9.6        | 1.56            | 117.5 |
| 120      | 10/14/2011 19:16:19 | 17.18  | 48.03  | 31.36        | 9.43    | 7.96 | 7.4        | 1.48            | 118.3 |
| 121      | 10/14/2011 19:31:19 | 17.28  | 47.91  | 31.28        | 9.54    | 7.98 | 7.4        | 1.42            | 119.9 |
| 122      | 10/14/2011 19:46:19 | 17.35  | 47.85  | 31.23        | 9.53    | 7.98 | 6.6        | 1.38            | 119.8 |
| 123      | 10/14/2011 20:01:19 | 17.43  | 47.76  | 31.16        | 9.67    | 7.99 | 6.0        | 1.37            | 121.7 |
| 124      | 10/14/2011 20:16:19 | 17.40  | 47.74  | 31.15        | 9.58    | 7.99 | 5.6        | 1.37            | 120.5 |
| 125      | 10/14/2011 20:31:19 | 17.38  | 47.76  | 31.17        | 9.73    | 7.99 | 5.1        | 1.40            | 122.4 |
| 126      | 10/14/2011 20:46:19 | 17.37  | 47.75  | 31.16        | 9.74    | 7.99 | 5.1        | 1.44            | 122.5 |
| 127      | 10/14/2011 21:01:19 | 17.31  | 47.79  | 31.19        | 9.72    | 7.99 | 5.9        | 1.50            | 122.2 |
| 128      | 10/14/2011 21:16:19 | 17.29  | 47.80  | 31.19        | 9.73    | 7.99 | 5.9        | 1.58            | 122.2 |
| 129      | 10/14/2011 21:31:19 | 17.27  | 47.62  | 31.07        | 9.55    | 7.97 | 6.2        | 1.65            | 119.8 |
| 130      | 10/14/2011 21:46:19 | 17.25  | 47.66  | 31.09        | 9.54    | 7.97 | 6.5        | 1.73            | 119.6 |
| 131      | 10/14/2011 22:01:19 | 17.24  | 47.62  | 31.06        | 9.42    | 7.96 | 6.1        | 1.81            | 118.2 |
| 132      | 10/14/2011 22:16:19 | 17.23  | 47.57  | 31.03        | 9.35    | 7.95 | 5.9        | 1.89            | 117.2 |
| 133      | 10/14/2011 22:31:19 | 17.21  | 47.66  | 31.09        | 9.34    | 7.95 | 6.2        | 1.98            | 117.1 |
| 134      | 10/14/2011 22:46:19 | 17.17  | 47.76  | 31.17        | 9.31    | 7.94 | 6.1        | 2.05            | 116.6 |
| 135      | 10/14/2011 23:01:19 | 17.07  | 47.92  | 31.28        | 9.20    | 7.94 | 6.0        | 2.14            | 115.2 |
| 136      | 10/14/2011 23:16:19 | 16.98  | 47.98  | 31.32        | 9.11    | 7.93 | 6.2        | 2.23            | 113.8 |
| 137      | 10/14/2011 23:31:19 | 16.82  | 48.25  | 31.52        | 8.92    | 7.91 | 5.9        | 2.31            | 111.3 |
| 138      | 10/14/2011 23:46:19 | 16.72  | 48.41  | 31.63        | 8.85    | 7.90 | 6.0        | 2.39            | 110.2 |
| 139      | 10/15/2011 00:01:19 | 16.67  | 48.46  | 31.67        | 8.82    | 7.90 | 5.7        | 2.48            | 109.8 |
| 140      | 10/15/2011 00:16:19 | 16.58  | 48.49  | 31.69        | 8.82    | 7.90 | 6.1        | 2.56            | 109.6 |
| 141      | 10/15/2011 00:31:19 | 16.41  | 48.57  | 31.74        | 8.76    | 7.89 | 6.3        | 2.63            | 108.6 |
| 142      | 10/15/2011 00:46:19 | 16.24  | 48.64  | 31.79        | 8.71    | 7.88 | 6.0        | 2.70            | 107.6 |
| 143      | 10/15/2011 01:01:19 | 16.13  | 48.70  | 31.84        | 8.67    | 7.89 | 5.9        | 2.78            | 106.9 |
| 144      | 10/15/2011 01:16:19 | 15.97  | 48.80  | 31.90        | 8.67    | 7.88 | 6.3        | 2.85            | 106.6 |
| 145      | 10/15/2011 01:31:19 | 15.78  | 48.92  | 31.99        | 8.68    | 7.88 | 5.8        | 2.91            | 106.4 |
| 146      | 10/15/2011 01:46:19 | 15.68  | 48.97  | 32.03        | 8.66    | 7.88 | 5.5        | 2.97            | 106.0 |
| 147      | 10/15/2011 02:01:19 | 15.46  | 49.13  | 32.14        | 8.65    | 7.88 | 4.8        | 3.03            | 105.4 |
| 148      | 10/15/2011 02:16:19 | 15.16  | 49.32  | 32.27        | 8.61    | 7.88 | 4.6        | 3.08            | 104.4 |
| 149      | 10/15/2011 02:31:19 | 14.94  | 49.48  | 32.38        | 8.59    | 7.88 | 4.1        | 3.11            | 103.8 |
| 150      | 10/15/2011 02:46:19 | 14.82  | 49.56  | 32.44        | 8.58    | 7.88 | 3.4        | 3.15            | 103.4 |
| 151      | 10/15/2011 03:01:19 | 14.77  | 49.62  | 32.48        | 8.46    | 7.88 | 3.3        | 3.16            | 101.9 |
| 152      | 10/15/2011 03:16:19 | 14.83  | 49.56  | 32.44        | 8.49    | 7.88 | 4.0        | 3.16            | 102.4 |
| 153      | 10/15/2011 03:31:19 | 14.75  | 49.61  | 32.47        | 8.50    | 7.87 | 3.7        | 3.13            | 102.4 |
| 154      | 10/15/2011 03:46:19 | 14.96  | 49.47  | 32.38        | 8.49    | 7.87 | 3.7        | 3.10            | 102.6 |
| 155      | 10/15/2011 04:01:19 | 15.44  | 49.07  | 32.09        | 8.45    | 7.87 | 4.9        | 3.05            | 102.9 |
| 156      | 10/15/2011 04:16:19 | 15.56  | 49.01  | 32.05        | 8.43    | 7.87 | 4.9        | 2.98            | 102.9 |
| 157      | 10/15/2011 04:31:19 | 15.81  | 48.67  | 31.81        | 8.11    | 7.85 | 6.1        | 2.92            | 99.3  |
| 158      | 10/15/2011 04:46:19 | 15.72  | 48.86  | 31.95        | 8.23    | 7.85 | 5.9        | 2.84            | 100.8 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 159      | 10/15/2011 05:01:19 | 15.68  | 48.90  | 31.98        | 8.24    | 7.85 | 5.6        | 2.79            | 100.8 |
| 160      | 10/15/2011 05:16:19 | 15.75  | 48.82  | 31.92        | 8.19    | 7.85 | 5.8        | 2.72            | 100.2 |
| 161      | 10/15/2011 05:31:19 | 15.84  | 48.72  | 31.84        | 8.12    | 7.85 | 5.9        | 2.64            | 99.5  |
| 162      | 10/15/2011 05:46:19 | 16.02  | 48.58  | 31.75        | 8.09    | 7.85 | 5.7        | 2.59            | 99.4  |
| 163      | 10/15/2011 06:01:19 | 16.07  | 48.54  | 31.72        | 8.00    | 7.85 | 5.9        | 2.52            | 98.5  |
| 164      | 10/15/2011 06:16:19 | 16.13  | 48.48  | 31.67        | 7.95    | 7.85 | 5.8        | 2.46            | 97.9  |
| 165      | 10/15/2011 06:31:19 | 16.11  | 48.46  | 31.66        | 7.99    | 7.84 | 5.7        | 2.41            | 98.4  |
| 166      | 10/15/2011 06:46:19 | 16.18  | 48.40  | 31.62        | 8.05    | 7.85 | 6.0        | 2.36            | 99.3  |
| 167      | 10/15/2011 07:01:19 | 16.30  | 48.30  | 31.55        | 8.18    | 7.86 | 5.2        | 2.33            | 101.0 |
| 168      | 10/15/2011 07:16:19 | 16.37  | 48.19  | 31.47        | 8.22    | 7.87 | 5.4        | 2.27            | 101.6 |
| 169      | 10/15/2011 07:31:19 | 16.44  | 48.12  | 31.41        | 8.21    | 7.87 | 4.7        | 2.26            | 101.6 |
| 170      | 10/15/2011 07:46:19 | 16.50  | 48.05  | 31.37        | 8.22    | 7.87 | 4.7        | 2.25            | 101.8 |
| 171      | 10/15/2011 08:01:19 | 16.49  | 48.01  | 31.34        | 8.08    | 7.87 | 4.3        | 2.25            | 100.0 |
| 172      | 10/15/2011 08:16:19 | 16.42  | 48.04  | 31.36        | 8.14    | 7.87 | 4.3        | 2.26            | 100.6 |
| 173      | 10/15/2011 08:31:19 | 16.36  | 48.14  | 31.43        | 8.11    | 7.87 | 4.6        | 2.29            | 100.2 |
| 174      | 10/15/2011 08:46:19 | 16.30  | 48.19  | 31.47        | 8.04    | 7.85 | 5.4        | 2.33            | 99.2  |
| 175      | 10/15/2011 09:01:19 | 16.31  | 48.23  | 31.49        | 8.15    | 7.86 | 4.8        | 2.38            | 100.6 |
| 176      | 10/15/2011 09:16:19 | 16.28  | 48.28  | 31.53        | 8.19    | 7.86 | 5.4        | 2.44            | 101.1 |
| 177      | 10/15/2011 09:31:19 | 16.22  | 48.16  | 31.44        | 8.13    | 7.86 | 5.7        | 2.50            | 100.1 |
| 178      | 10/15/2011 09:46:19 | 16.19  | 48.22  | 31.49        | 8.15    | 7.85 | 5.3        | 2.57            | 100.4 |
| 179      | 10/15/2011 10:01:19 | 16.14  | 48.42  | 31.63        | 8.20    | 7.86 | 5.2        | 2.64            | 101.0 |
| 180      | 10/15/2011 10:16:19 | 15.96  | 48.61  | 31.76        | 8.19    | 7.86 | 5.4        | 2.71            | 100.6 |
| 181      | 10/15/2011 10:31:19 | 15.80  | 48.75  | 31.87        | 8.23    | 7.86 | 4.8        | 2.78            | 100.8 |
| 182      | 10/15/2011 10:46:19 | 15.64  | 48.95  | 32.01        | 8.40    | 7.87 | 5.2        | 2.85            | 102.7 |
| 183      | 10/15/2011 11:01:19 | 15.54  | 49.03  | 32.06        | 8.43    | 7.87 | 4.6        | 2.91            | 102.9 |
| 184      | 10/15/2011 11:16:19 | 15.40  | 49.14  | 32.14        | 8.48    | 7.87 | 4.5        | 2.99            | 103.2 |
| 185      | 10/15/2011 11:31:19 | 15.29  | 49.26  | 32.23        | 8.51    | 7.88 | 4.1        | 3.06            | 103.4 |
| 186      | 10/15/2011 11:46:19 | 15.08  | 49.40  | 32.32        | 8.53    | 7.88 | 4.8        | 3.14            | 103.3 |
| 187      | 10/15/2011 12:01:19 | 14.87  | 49.54  | 32.42        | 8.52    | 7.88 | 4.7        | 3.22            | 102.8 |
| 188      | 10/15/2011 12:16:19 | 14.70  | 49.65  | 32.50        | 8.53    | 7.88 | 4.5        | 3.29            | 102.6 |
| 189      | 10/15/2011 12:31:19 | 14.58  | 49.74  | 32.56        | 8.52    | 7.88 | 4.2        | 3.36            | 102.4 |
| 190      | 10/15/2011 12:46:19 | 14.43  | 49.83  | 32.62        | 8.50    | 7.88 | 3.9        | 3.43            | 101.8 |
| 191      | 10/15/2011 13:01:19 | 14.27  | 49.91  | 32.68        | 8.49    | 7.88 | 3.2        | 3.49            | 101.4 |
| 192      | 10/15/2011 13:16:19 | 14.21  | 49.97  | 32.72        | 8.47    | 7.88 | 3.1        | 3.53            | 101.0 |
| 193      | 10/15/2011 13:31:19 | 14.09  | 50.03  | 32.76        | 8.40    | 7.88 | 2.8        | 3.57            | 100.0 |
| 194      | 10/15/2011 13:46:19 | 14.03  | 50.07  | 32.79        | 8.42    | 7.88 | 2.6        | 3.60            | 100.1 |
| 195      | 10/15/2011 14:01:19 | 14.11  | 50.06  | 32.78        | 8.33    | 7.88 | 2.6        | 3.62            | 99.2  |
| 196      | 10/15/2011 14:16:19 | 14.07  | 50.05  | 32.77        | 8.24    | 7.87 | 2.9        | 3.61            | 98.0  |
| 197      | 10/15/2011 14:31:19 | 14.02  | 50.08  | 32.80        | 8.30    | 7.87 | 2.6        | 3.57            | 98.7  |
| 198      | 10/15/2011 14:46:19 | 14.17  | 50.02  | 32.75        | 8.33    | 7.88 | 3.2        | 3.53            | 99.3  |
| 199      | 10/15/2011 15:01:19 | 14.98  | 49.75  | 32.58        | 8.72    | 7.90 | 3.6        | 3.47            | 105.5 |
| 200      | 10/15/2011 15:16:19 | 15.21  | 49.73  | 32.57        | 9.13    | 7.92 | 4.2        | 3.39            | 111.1 |
| 201      | 10/15/2011 15:31:19 | 15.34  | 49.63  | 32.50        | 9.26    | 7.94 | 4.8        | 3.31            | 112.9 |
| 202      | 10/15/2011 15:46:19 | 15.73  | 49.36  | 32.31        | 9.22    | 7.93 | 4.4        | 3.21            | 113.1 |
| 203      | 10/15/2011 16:01:19 | 15.99  | 49.20  | 32.20        | 9.26    | 7.94 | 4.7        | 3.13            | 114.1 |
| 204      | 10/15/2011 16:16:19 | 16.01  | 49.18  | 32.18        | 9.25    | 7.94 | 4.5        | 3.03            | 114.0 |
| 205      | 10/15/2011 16:31:19 | 16.08  | 49.07  | 32.11        | 9.18    | 7.93 | 6.8        | 2.93            | 113.3 |
| 206      | 10/15/2011 16:46:19 | 16.05  | 49.05  | 32.09        | 9.07    | 7.92 | 5.6        | 2.83            | 111.9 |
| 207      | 10/15/2011 17:01:19 | 16.19  | 48.95  | 32.02        | 9.15    | 7.93 | 5.2        | 2.72            | 113.1 |
| 208      | 10/15/2011 17:16:19 | 16.21  | 48.94  | 32.02        | 9.12    | 7.93 | 5.6        | 2.63            | 112.7 |
| 209      | 10/15/2011 17:31:19 | 16.07  | 49.03  | 32.07        | 9.04    | 7.92 | 5.8        | 2.51            | 111.5 |
| 210      | 10/15/2011 17:46:19 | 16.39  | 48.76  | 31.89        | 8.99    | 7.92 | 6.4        | 2.39            | 111.4 |
| 211      | 10/15/2011 18:01:19 | 16.32  | 48.80  | 31.91        | 8.94    | 7.92 | 6.3        | 2.28            | 110.6 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 212      | 10/15/2011 18:16:19 | 16.62  | 48.57  | 31.75        | 8.96    | 7.93 | 7.1        | 2.17            | 111.4 |
| 213      | 10/15/2011 18:31:19 | 16.67  | 48.53  | 31.72        | 8.96    | 7.93 | 7.1        | 2.06            | 111.6 |
| 214      | 10/15/2011 18:46:19 | 16.76  | 48.44  | 31.65        | 8.94    | 7.93 | 7.6        | 1.94            | 111.4 |
| 215      | 10/15/2011 19:01:19 | 16.80  | 48.42  | 31.64        | 8.93    | 7.93 | 7.5        | 1.84            | 111.4 |
| 216      | 10/15/2011 19:16:19 | 16.89  | 48.34  | 31.58        | 8.96    | 7.93 | 7.4        | 1.72            | 111.9 |
| 217      | 10/15/2011 19:31:19 | 17.00  | 48.25  | 31.52        | 8.97    | 7.93 | 7.5        | 1.63            | 112.2 |
| 218      | 10/15/2011 19:46:19 | 17.13  | 48.13  | 31.43        | 9.01    | 7.94 | 7.0        | 1.56            | 113.0 |
| 219      | 10/15/2011 20:01:19 | 17.18  | 48.09  | 31.41        | 8.99    | 7.94 | 6.8        | 1.48            | 112.9 |
| 220      | 10/15/2011 20:16:19 | 17.32  | 47.91  | 31.27        | 9.10    | 7.95 | 7.0        | 1.43            | 114.4 |
| 221      | 10/15/2011 20:31:19 | 17.38  | 47.89  | 31.26        | 9.16    | 7.96 | 8.1        | 1.41            | 115.4 |
| 222      | 10/15/2011 20:46:19 | 17.34  | 47.90  | 31.27        | 9.05    | 7.96 | 5.9        | 1.42            | 113.8 |
| 223      | 10/15/2011 21:01:19 | 17.33  | 47.88  | 31.25        | 9.07    | 7.96 | 5.0        | 1.42            | 114.1 |
| 224      | 10/15/2011 21:16:19 | 17.31  | 47.87  | 31.25        | 9.14    | 7.96 | 4.7        | 1.45            | 114.9 |
| 225      | 10/15/2011 21:31:19 | 17.26  | 47.90  | 31.27        | 9.15    | 7.96 | 4.8        | 1.53            | 114.9 |
| 226      | 10/15/2011 21:46:19 | 17.24  | 47.90  | 31.27        | 9.18    | 7.96 | 5.0        | 1.59            | 115.3 |
| 227      | 10/15/2011 22:01:19 | 17.22  | 47.75  | 31.16        | 9.04    | 7.95 | 5.2        | 1.65            | 113.4 |
| 228      | 10/15/2011 22:16:19 | 17.21  | 47.81  | 31.20        | 9.06    | 7.95 | 5.4        | 1.74            | 113.6 |
| 229      | 10/15/2011 22:31:19 | 17.19  | 47.77  | 31.17        | 9.00    | 7.94 | 5.4        | 1.81            | 112.8 |
| 230      | 10/15/2011 22:46:19 | 17.17  | 47.72  | 31.14        | 8.98    | 7.94 | 5.7        | 1.89            | 112.5 |
| 231      | 10/15/2011 23:01:19 | 17.15  | 47.72  | 31.13        | 8.95    | 7.93 | 5.5        | 1.96            | 112.0 |
| 232      | 10/15/2011 23:16:19 | 17.13  | 47.81  | 31.20        | 8.95    | 7.93 | 5.9        | 2.04            | 112.1 |
| 233      | 10/15/2011 23:31:19 | 17.07  | 47.87  | 31.24        | 8.90    | 7.93 | 5.7        | 2.12            | 111.4 |
| 234      | 10/15/2011 23:46:19 | 16.97  | 48.08  | 31.39        | 8.87    | 7.92 | 5.8        | 2.18            | 110.8 |
| 235      | 10/16/2011 00:01:19 | 16.86  | 48.26  | 31.52        | 8.81    | 7.91 | 5.8        | 2.28            | 110.0 |
| 236      | 10/16/2011 00:16:19 | 16.83  | 48.36  | 31.60        | 8.82    | 7.91 | 5.8        | 2.35            | 110.1 |
| 237      | 10/16/2011 00:31:19 | 16.77  | 48.46  | 31.67        | 8.78    | 7.91 | 5.4        | 2.42            | 109.5 |
| 238      | 10/16/2011 00:46:19 | 16.72  | 48.55  | 31.73        | 8.77    | 7.91 | 5.1        | 2.50            | 109.2 |
| 239      | 10/16/2011 01:01:19 | 16.67  | 48.61  | 31.77        | 8.77    | 7.91 | 5.2        | 2.58            | 109.2 |
| 240      | 10/16/2011 01:16:19 | 16.50  | 48.69  | 31.83        | 8.71    | 7.90 | 5.5        | 2.65            | 108.1 |
| 241      | 10/16/2011 01:31:19 | 16.37  | 48.77  | 31.89        | 8.67    | 7.90 | 5.2        | 2.71            | 107.5 |
| 242      | 10/16/2011 01:46:19 | 16.23  | 48.83  | 31.93        | 8.64    | 7.89 | 4.9        | 2.78            | 106.8 |
| 243      | 10/16/2011 02:01:19 | 16.07  | 48.90  | 31.98        | 8.61    | 7.89 | 5.3        | 2.85            | 106.1 |
| 244      | 10/16/2011 02:16:19 | 15.95  | 48.98  | 32.04        | 8.61    | 7.89 | 4.9        | 2.91            | 105.9 |
| 245      | 10/16/2011 02:31:19 | 15.87  | 49.02  | 32.07        | 8.58    | 7.89 | 4.7        | 2.97            | 105.4 |
| 246      | 10/16/2011 02:46:19 | 15.72  | 49.11  | 32.13        | 8.57    | 7.89 | 4.2        | 3.02            | 105.0 |
| 247      | 10/16/2011 03:01:19 | 15.62  | 49.18  | 32.17        | 8.53    | 7.89 | 4.0        | 3.07            | 104.3 |
| 248      | 10/16/2011 03:16:19 | 15.34  | 49.34  | 32.29        | 8.47    | 7.88 | 3.7        | 3.11            | 103.1 |
| 249      | 10/16/2011 03:31:19 | 15.03  | 49.54  | 32.43        | 8.39    | 7.88 | 3.2        | 3.13            | 101.5 |
| 250      | 10/16/2011 03:46:19 | 14.99  | 49.58  | 32.45        | 8.31    | 7.88 | 3.1        | 3.15            | 100.6 |
| 251      | 10/16/2011 04:01:19 | 15.06  | 49.55  | 32.44        | 8.33    | 7.88 | 3.6        | 3.15            | 100.9 |
| 252      | 10/16/2011 04:16:19 | 15.11  | 49.51  | 32.41        | 8.30    | 7.88 | 3.4        | 3.12            | 100.6 |
| 253      | 10/16/2011 04:31:19 | 15.34  | 49.34  | 32.29        | 8.39    | 7.88 | 4.0        | 3.08            | 102.1 |
| 254      | 10/16/2011 04:46:19 | 15.60  | 49.19  | 32.18        | 8.38    | 7.88 | 4.0        | 3.04            | 102.5 |
| 255      | 10/16/2011 05:01:19 | 16.01  | 48.78  | 31.89        | 8.06    | 7.85 | 5.3        | 2.97            | 99.1  |
| 256      | 10/16/2011 05:16:19 | 16.16  | 48.73  | 31.86        | 7.97    | 7.86 | 6.2        | 2.92            | 98.3  |
| 257      | 10/16/2011 05:31:19 | 16.14  | 48.77  | 31.89        | 8.07    | 7.86 | 5.7        | 2.86            | 99.5  |
| 258      | 10/16/2011 05:46:19 | 16.05  | 48.88  | 31.97        | 8.09    | 7.85 | 5.4        | 2.79            | 99.7  |
| 259      | 10/16/2011 06:01:19 | 16.14  | 48.78  | 31.89        | 8.10    | 7.86 | 5.2        | 2.74            | 99.9  |
| 260      | 10/16/2011 06:16:19 | 16.20  | 48.73  | 31.86        | 8.04    | 7.86 | 5.3        | 2.67            | 99.2  |
| 261      | 10/16/2011 06:31:19 | 16.17  | 48.75  | 31.87        | 7.98    | 7.86 | 5.5        | 2.63            | 98.5  |
| 262      | 10/16/2011 06:46:19 | 16.33  | 48.64  | 31.80        | 7.97    | 7.86 | 5.2        | 2.59            | 98.6  |
| 263      | 10/16/2011 07:01:19 | 16.35  | 48.62  | 31.78        | 7.98    | 7.86 | 5.4        | 2.53            | 98.8  |
| 264      | 10/16/2011 07:16:19 | 16.36  | 48.60  | 31.76        | 7.99    | 7.85 | 5.4        | 2.50            | 98.9  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 265      | 10/16/2011 07:31:19 | 16.47  | 48.47  | 31.68        | 7.97    | 7.85 | 5.2        | 2.47            | 98.8  |
| 266      | 10/16/2011 07:46:19 | 16.46  | 48.49  | 31.69        | 7.99    | 7.86 | 4.8        | 2.43            | 99.1  |
| 267      | 10/16/2011 08:01:19 | 16.53  | 48.40  | 31.62        | 8.08    | 7.86 | 4.5        | 2.41            | 100.2 |
| 268      | 10/16/2011 08:16:19 | 16.59  | 48.28  | 31.53        | 8.06    | 7.86 | 4.6        | 2.41            | 100.0 |
| 269      | 10/16/2011 08:31:19 | 16.59  | 48.22  | 31.49        | 7.64    | 7.84 | 4.3        | 2.41            | 94.8  |
| 270      | 10/16/2011 08:46:19 | 16.54  | 48.33  | 31.57        | 7.94    | 7.85 | 4.3        | 2.41            | 98.5  |
| 271      | 10/16/2011 09:01:19 | 16.51  | 48.38  | 31.61        | 7.94    | 7.85 | 4.3        | 2.42            | 98.5  |
| 272      | 10/16/2011 09:16:19 | 16.51  | 48.42  | 31.63        | 7.97    | 7.85 | 4.8        | 2.48            | 98.9  |
| 273      | 10/16/2011 09:31:19 | 16.54  | 48.45  | 31.66        | 8.11    | 7.87 | 4.6        | 2.50            | 100.7 |
| 274      | 10/16/2011 09:46:19 | 16.52  | 48.47  | 31.68        | 8.19    | 7.86 | 4.7        | 2.55            | 101.6 |
| 275      | 10/16/2011 10:01:19 | 16.45  | 48.48  | 31.68        | 8.14    | 7.86 | 4.7        | 2.61            | 100.9 |
| 276      | 10/16/2011 10:16:19 | 16.41  | 48.51  | 31.70        | 8.13    | 7.86 | 4.8        | 2.67            | 100.7 |
| 277      | 10/16/2011 10:31:19 | 16.29  | 48.63  | 31.78        | 8.13    | 7.86 | 4.7        | 2.73            | 100.5 |
| 278      | 10/16/2011 10:46:19 | 16.12  | 48.77  | 31.88        | 8.14    | 7.86 | 4.5        | 2.78            | 100.3 |
| 279      | 10/16/2011 11:01:19 | 15.86  | 48.95  | 32.01        | 8.17    | 7.86 | 4.5        | 2.86            | 100.3 |
| 280      | 10/16/2011 11:16:19 | 15.75  | 49.04  | 32.08        | 8.20    | 7.86 | 4.5        | 2.92            | 100.5 |
| 281      | 10/16/2011 11:31:19 | 15.42  | 49.26  | 32.23        | 8.27    | 7.86 | 4.2        | 2.99            | 100.7 |
| 282      | 10/16/2011 11:46:19 | 15.27  | 49.38  | 32.32        | 8.27    | 7.87 | 4.0        | 3.05            | 100.5 |
| 283      | 10/16/2011 12:01:19 | 15.15  | 49.44  | 32.36        | 8.29    | 7.87 | 3.9        | 3.11            | 100.6 |
| 284      | 10/16/2011 12:16:19 | 15.02  | 49.54  | 32.43        | 8.31    | 7.87 | 3.6        | 3.19            | 100.6 |
| 285      | 10/16/2011 12:31:19 | 14.89  | 49.60  | 32.47        | 8.30    | 7.87 | 3.6        | 3.25            | 100.2 |
| 286      | 10/16/2011 12:46:19 | 14.80  | 49.66  | 32.51        | 8.31    | 7.87 | 3.9        | 3.32            | 100.2 |
| 287      | 10/16/2011 13:01:19 | 14.62  | 49.76  | 32.58        | 8.27    | 7.87 | 3.8        | 3.38            | 99.4  |
| 288      | 10/16/2011 13:16:19 | 14.50  | 49.85  | 32.64        | 8.23    | 7.87 | 3.3        | 3.44            | 98.7  |
| 289      | 10/16/2011 13:31:19 | 14.37  | 49.91  | 32.68        | 8.21    | 7.87 | 3.1        | 3.48            | 98.3  |
| 290      | 10/16/2011 13:46:19 | 14.27  | 49.97  | 32.72        | 8.19    | 7.87 | 2.9        | 3.52            | 97.8  |
| 291      | 10/16/2011 14:01:19 | 14.21  | 50.00  | 32.74        | 8.17    | 7.87 | 2.7        | 3.56            | 97.4  |
| 292      | 10/16/2011 14:16:19 | 14.16  | 50.03  | 32.76        | 8.13    | 7.87 | 2.9        | 3.58            | 96.9  |
| 293      | 10/16/2011 14:31:19 | 14.10  | 50.06  | 32.78        | 7.96    | 7.87 | 2.6        | 3.59            | 94.8  |
| 294      | 10/16/2011 14:46:19 | 14.13  | 50.04  | 32.77        | 8.04    | 7.86 | 2.8        | 3.59            | 95.7  |
| 295      | 10/16/2011 15:01:19 | 14.13  | 50.03  | 32.76        | 8.11    | 7.86 | 2.9        | 3.57            | 96.6  |
| 296      | 10/16/2011 15:16:19 | 14.23  | 50.00  | 32.74        | 8.10    | 7.87 | 2.9        | 3.53            | 96.7  |
| 297      | 10/16/2011 15:31:19 | 14.68  | 49.76  | 32.58        | 8.25    | 7.88 | 3.7        | 3.48            | 99.3  |
| 298      | 10/16/2011 15:46:19 | 15.09  | 49.58  | 32.46        | 8.56    | 7.90 | 4.3        | 3.41            | 103.8 |
| 299      | 10/16/2011 16:01:19 | 15.14  | 49.61  | 32.48        | 8.79    | 7.92 | 4.8        | 3.34            | 106.7 |
| 300      | 10/16/2011 16:16:19 | 15.20  | 49.55  | 32.44        | 8.76    | 7.92 | 4.0        | 3.26            | 106.4 |
| 301      | 10/16/2011 16:31:19 | 15.46  | 49.33  | 32.28        | 8.43    | 7.90 | 5.1        | 3.16            | 102.8 |
| 302      | 10/16/2011 16:46:19 | 15.57  | 49.26  | 32.23        | 8.43    | 7.90 | 5.5        | 3.06            | 103.0 |
| 303      | 10/16/2011 17:01:19 | 15.84  | 49.10  | 32.12        | 8.48    | 7.90 | 5.6        | 2.99            | 104.1 |
| 304      | 10/16/2011 17:16:19 | 15.84  | 49.11  | 32.13        | 8.50    | 7.90 | 4.9        | 2.88            | 104.3 |
| 305      | 10/16/2011 17:31:19 | 15.89  | 49.09  | 32.11        | 8.52    | 7.91 | 5.2        | 2.79            | 104.7 |
| 306      | 10/16/2011 17:46:19 | 15.98  | 49.03  | 32.07        | 8.50    | 7.90 | 5.2        | 2.69            | 104.7 |
| 307      | 10/16/2011 18:01:19 | 16.15  | 48.89  | 31.97        | 8.47    | 7.90 | 6.3        | 2.58            | 104.6 |
| 308      | 10/16/2011 18:16:19 | 16.01  | 48.98  | 32.04        | 8.46    | 7.90 | 5.9        | 2.48            | 104.2 |
| 309      | 10/16/2011 18:31:19 | 16.10  | 48.90  | 31.98        | 8.42    | 7.90 | 5.9        | 2.38            | 103.8 |
| 310      | 10/16/2011 18:46:19 | 16.26  | 48.77  | 31.89        | 8.34    | 7.90 | 7.1        | 2.26            | 103.1 |
| 311      | 10/16/2011 19:01:19 | 16.39  | 48.60  | 31.77        | 8.28    | 7.89 | 7.7        | 2.17            | 102.6 |
| 312      | 10/16/2011 19:16:19 | 16.41  | 48.62  | 31.78        | 8.22    | 7.90 | 7.1        | 2.04            | 101.9 |
| 313      | 10/16/2011 19:31:19 | 16.55  | 48.50  | 31.69        | 8.17    | 7.89 | 7.9        | 1.94            | 101.5 |
| 314      | 10/16/2011 19:46:19 | 16.53  | 48.50  | 31.69        | 8.11    | 7.89 | 7.1        | 1.84            | 100.7 |
| 315      | 10/16/2011 20:01:19 | 16.59  | 48.44  | 31.66        | 8.08    | 7.89 | 7.3        | 1.73            | 100.4 |
| 316      | 10/16/2011 20:16:19 | 16.68  | 48.36  | 31.59        | 8.04    | 7.88 | 7.2        | 1.66            | 100.1 |
| 317      | 10/16/2011 20:31:19 | 16.76  | 48.27  | 31.53        | 8.03    | 7.88 | 6.7        | 1.59            | 100.0 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 318      | 10/16/2011 20:46:19 | 16.81  | 48.20  | 31.48        | 8.02    | 7.88 | 6.3        | 1.54   | 100.0 |
| 319      | 10/16/2011 21:01:19 | 16.89  | 48.12  | 31.42        | 8.00    | 7.88 | 6.0        | 1.50   | 99.8  |
| 320      | 10/16/2011 21:16:19 | 16.93  | 48.03  | 31.36        | 7.98    | 7.88 | 6.2        | 1.50   | 99.7  |
| 321      | 10/16/2011 21:31:19 | 16.87  | 48.08  | 31.39        | 7.90    | 7.87 | 5.5        | 1.50   | 98.5  |
| 322      | 10/16/2011 21:46:19 | 16.92  | 48.03  | 31.36        | 7.93    | 7.88 | 5.4        | 1.51   | 98.9  |
| 323      | 10/16/2011 22:01:19 | 16.91  | 48.02  | 31.35        | 8.01    | 7.88 | 5.0        | 1.57   | 100.0 |
| 324      | 10/16/2011 22:16:19 | 16.87  | 47.96  | 31.31        | 7.98    | 7.88 | 5.6        | 1.61   | 99.5  |
| 325      | 10/16/2011 22:31:19 | 16.87  | 48.00  | 31.34        | 7.99    | 7.88 | 5.2        | 1.67   | 99.6  |
| 326      | 10/16/2011 22:46:19 | 16.83  | 47.94  | 31.29        | 7.94    | 7.87 | 5.8        | 1.73   | 98.9  |
| 327      | 10/16/2011 23:01:19 | 16.82  | 47.95  | 31.30        | 7.98    | 7.88 | 5.6        | 1.79   | 99.4  |
| 328      | 10/16/2011 23:16:19 | 16.82  | 48.00  | 31.34        | 7.98    | 7.88 | 5.4        | 1.87   | 99.5  |
| 329      | 10/16/2011 23:31:19 | 16.80  | 47.97  | 31.31        | 7.98    | 7.87 | 5.9        | 1.93   | 99.3  |
| 330      | 10/16/2011 23:46:19 | 16.78  | 47.95  | 31.30        | 7.99    | 7.87 | 5.8        | 2.00   | 99.4  |
| 331      | 10/17/2011 00:01:19 | 16.77  | 47.97  | 31.31        | 8.01    | 7.87 | 6.0        | 2.08   | 99.6  |
| 332      | 10/17/2011 00:16:19 | 16.73  | 48.04  | 31.36        | 8.02    | 7.87 | 6.2        | 2.15   | 99.8  |
| 333      | 10/17/2011 00:31:19 | 16.62  | 48.22  | 31.50        | 8.06    | 7.88 | 6.1        | 2.22   | 100.2 |
| 334      | 10/17/2011 00:46:19 | 16.55  | 48.29  | 31.54        | 8.05    | 7.88 | 5.7        | 2.30   | 99.9  |
| 335      | 10/17/2011 01:01:19 | 16.49  | 48.42  | 31.63        | 8.10    | 7.88 | 5.9        | 2.38   | 100.5 |
| 336      | 10/17/2011 01:16:19 | 16.42  | 48.52  | 31.71        | 8.17    | 7.88 | 5.5        | 2.45   | 101.2 |
| 337      | 10/17/2011 01:31:19 | 16.36  | 48.67  | 31.82        | 8.24    | 7.89 | 5.6        | 2.52   | 102.0 |
| 338      | 10/17/2011 01:46:19 | 16.32  | 48.71  | 31.84        | 8.24    | 7.89 | 5.3        | 2.60   | 102.0 |
| 339      | 10/17/2011 02:01:19 | 16.26  | 48.73  | 31.86        | 8.24    | 7.89 | 5.3        | 2.66   | 101.8 |
| 340      | 10/17/2011 02:16:19 | 16.07  | 48.85  | 31.95        | 8.23    | 7.88 | 5.1        | 2.73   | 101.4 |
| 341      | 10/17/2011 02:31:19 | 16.01  | 48.91  | 31.98        | 8.21    | 7.88 | 4.8        | 2.79   | 101.1 |
| 342      | 10/17/2011 02:46:19 | 15.91  | 48.94  | 32.01        | 8.20    | 7.88 | 4.8        | 2.85   | 100.8 |
| 343      | 10/17/2011 03:01:19 | 15.74  | 49.02  | 32.06        | 8.16    | 7.88 | 4.9        | 2.90   | 100.0 |
| 344      | 10/17/2011 03:16:19 | 15.57  | 49.10  | 32.12        | 8.17    | 7.88 | 4.3        | 2.95   | 99.8  |
| 345      | 10/17/2011 03:31:19 | 15.50  | 49.11  | 32.12        | 8.16    | 7.88 | 4.1        | 2.99   | 99.5  |
| 346      | 10/17/2011 03:46:19 | 15.40  | 49.20  | 32.19        | 8.13    | 7.88 | 4.1        | 3.03   | 99.0  |
| 347      | 10/17/2011 04:01:19 | 15.34  | 49.26  | 32.23        | 8.12    | 7.88 | 3.8        | 3.06   | 98.7  |
| 348      | 10/17/2011 04:16:19 | 15.30  | 49.28  | 32.24        | 8.06    | 7.88 | 3.5        | 3.09   | 97.9  |
| 349      | 10/17/2011 04:31:19 | 15.41  | 49.21  | 32.19        | 8.03    | 7.88 | 4.2        | 3.09   | 97.8  |
| 350      | 10/17/2011 04:46:19 | 15.25  | 49.32  | 32.27        | 7.86    | 7.87 | 3.6        | 3.10   | 95.4  |
| 351      | 10/17/2011 05:01:19 | 15.22  | 49.33  | 32.28        | 8.01    | 7.87 | 4.1        | 3.09   | 97.3  |
| 352      | 10/17/2011 05:16:19 | 15.30  | 49.26  | 32.23        | 8.04    | 7.87 | 4.3        | 3.06   | 97.8  |
| 353      | 10/17/2011 05:31:19 | 15.37  | 49.23  | 32.21        | 8.02    | 7.87 | 4.3        | 3.02   | 97.6  |
| 354      | 10/17/2011 05:46:19 | 15.50  | 49.10  | 32.12        | 8.01    | 7.87 | 4.1        | 2.97   | 97.7  |
| 355      | 10/17/2011 06:01:19 | 15.84  | 48.91  | 31.98        | 7.82    | 7.85 | 5.1        | 2.93   | 95.9  |
| 356      | 10/17/2011 06:16:19 | 15.82  | 48.91  | 31.99        | 7.69    | 7.85 | 5.3        | 2.87   | 94.3  |
| 357      | 10/17/2011 06:31:19 | 15.74  | 48.95  | 32.01        | 7.70    | 7.85 | 5.8        | 2.81   | 94.3  |
| 358      | 10/17/2011 06:46:19 | 15.74  | 48.93  | 32.00        | 7.74    | 7.85 | 5.5        | 2.76   | 94.8  |
| 359      | 10/17/2011 07:01:19 | 15.80  | 48.91  | 31.98        | 7.69    | 7.84 | 5.5        | 2.71   | 94.3  |
| 360      | 10/17/2011 07:16:19 | 15.94  | 48.79  | 31.90        | 7.63    | 7.85 | 5.5        | 2.65   | 93.8  |
| 361      | 10/17/2011 07:31:19 | 15.89  | 48.79  | 31.90        | 7.63    | 7.84 | 5.2        | 2.62   | 93.7  |
| 362      | 10/17/2011 07:46:19 | 16.04  | 48.72  | 31.85        | 7.63    | 7.85 | 5.3        | 2.58   | 93.9  |
| 363      | 10/17/2011 08:01:19 | 16.11  | 48.64  | 31.79        | 7.59    | 7.84 | 5.6        | 2.54   | 93.5  |
| 364      | 10/17/2011 08:16:19 | 16.15  | 48.61  | 31.77        | 7.59    | 7.84 | 5.4        | 2.53   | 93.6  |
| 365      | 10/17/2011 08:31:19 | 16.24  | 48.54  | 31.72        | 7.66    | 7.84 | 4.7        | 2.50   | 94.6  |
| 366      | 10/17/2011 08:46:19 | 16.27  | 48.45  | 31.66        | 7.70    | 7.85 | 4.6        | 2.49   | 95.1  |
| 367      | 10/17/2011 09:01:19 | 16.27  | 48.45  | 31.66        | 7.51    | 7.84 | 4.6        | 2.49   | 92.7  |
| 368      | 10/17/2011 09:16:19 | 16.25  | 48.47  | 31.67        | 7.57    | 7.85 | 4.0        | 2.49   | 93.4  |
| 369      | 10/17/2011 09:31:19 | 16.21  | 48.51  | 31.70        | 7.56    | 7.84 | 4.4        | 2.51   | 93.2  |
| 370      | 10/17/2011 09:46:19 | 16.16  | 48.54  | 31.72        | 7.57    | 7.84 | 4.6        | 2.53   | 93.3  |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 371      | 10/17/2011 10:01:19 | 16.16  | 48.62  | 31.78        | 7.59    | 7.84 | 4.9        | 2.57            | 93.6  |
| 372      | 10/17/2011 10:16:19 | 16.16  | 48.65  | 31.80        | 7.67    | 7.85 | 4.8        | 2.61            | 94.5  |
| 373      | 10/17/2011 10:31:19 | 16.10  | 48.71  | 31.84        | 7.75    | 7.85 | 5.3        | 2.64            | 95.5  |
| 374      | 10/17/2011 10:46:19 | 16.05  | 48.67  | 31.81        | 7.73    | 7.85 | 4.8        | 2.69            | 95.2  |
| 375      | 10/17/2011 11:01:19 | 16.00  | 48.74  | 31.86        | 7.75    | 7.85 | 4.5        | 2.75            | 95.3  |
| 376      | 10/17/2011 11:16:20 | 15.83  | 48.87  | 31.95        | 7.76    | 7.85 | 4.4        | 2.80            | 95.2  |
| 377      | 10/17/2011 11:31:19 | 15.68  | 48.94  | 32.00        | 7.76    | 7.85 | 4.3        | 2.85            | 94.9  |
| 378      | 10/17/2011 11:46:19 | 15.83  | 48.92  | 31.99        | 7.84    | 7.85 | 4.5        | 2.91            | 96.2  |
| 379      | 10/17/2011 12:01:19 | 15.49  | 49.16  | 32.16        | 7.89    | 7.86 | 4.1        | 2.97            | 96.2  |
| 380      | 10/17/2011 12:16:19 | 15.43  | 49.26  | 32.23        | 7.94    | 7.86 | 3.8        | 3.02            | 96.7  |
| 381      | 10/17/2011 12:31:19 | 15.25  | 49.41  | 32.34        | 7.93    | 7.87 | 3.8        | 3.08            | 96.3  |
| 382      | 10/17/2011 12:46:19 | 14.70  | 49.68  | 32.52        | 7.93    | 7.86 | 4.0        | 3.14            | 95.4  |
| 383      | 10/17/2011 13:01:19 | 14.85  | 49.63  | 32.49        | 7.96    | 7.87 | 3.6        | 3.20            | 96.1  |
| 384      | 10/17/2011 13:16:19 | 14.64  | 49.74  | 32.56        | 7.91    | 7.87 | 4.9        | 3.26            | 95.0  |
| 385      | 10/17/2011 13:31:19 | 14.37  | 49.85  | 32.64        | 7.89    | 7.86 | 3.7        | 3.31            | 94.3  |
| 386      | 10/17/2011 13:46:19 | 14.38  | 49.86  | 32.64        | 7.90    | 7.87 | 3.1        | 3.37            | 94.5  |
| 387      | 10/17/2011 14:01:19 | 14.38  | 49.90  | 32.67        | 7.93    | 7.87 | 3.0        | 3.41            | 94.9  |
| 388      | 10/17/2011 14:16:19 | 14.27  | 49.93  | 32.69        | 7.91    | 7.87 | 3.0        | 3.45            | 94.5  |
| 389      | 10/17/2011 14:31:19 | 14.20  | 50.01  | 32.74        | 7.92    | 7.87 | 2.8        | 3.48            | 94.5  |
| 390      | 10/17/2011 14:46:19 | 14.12  | 50.06  | 32.78        | 7.89    | 7.86 | 2.6        | 3.51            | 94.0  |
| 391      | 10/17/2011 15:01:19 | 14.10  | 50.06  | 32.78        | 7.81    | 7.86 | 2.7        | 3.52            | 93.0  |
| 392      | 10/17/2011 15:16:19 | 14.16  | 50.04  | 32.77        | 7.78    | 7.86 | 2.6        | 3.52            | 92.7  |
| 393      | 10/17/2011 15:31:19 | 14.13  | 50.06  | 32.78        | 7.78    | 7.86 | 2.7        | 3.52            | 92.7  |
| 394      | 10/17/2011 15:46:19 | 14.12  | 50.06  | 32.78        | 7.87    | 7.86 | 2.7        | 3.48            | 93.7  |
| 395      | 10/17/2011 16:01:19 | 14.44  | 49.90  | 32.68        | 7.82    | 7.87 | 2.9        | 3.44            | 93.7  |
| 396      | 10/17/2011 16:16:19 | 15.01  | 49.68  | 32.53        | 8.14    | 7.88 | 3.4        | 3.40            | 98.5  |
| 397      | 10/17/2011 16:31:19 | 15.12  | 49.68  | 32.53        | 8.29    | 7.89 | 3.8        | 3.33            | 100.6 |
| 398      | 10/17/2011 16:46:19 | 15.51  | 49.45  | 32.37        | 8.40    | 7.89 | 4.5        | 3.25            | 102.6 |
| 399      | 10/17/2011 17:01:19 | 15.62  | 49.40  | 32.34        | 8.48    | 7.90 | 4.6        | 3.18            | 103.9 |
| 400      | 10/17/2011 17:16:19 | 15.70  | 49.33  | 32.29        | 8.55    | 7.91 | 4.2        | 3.09            | 104.9 |
| 401      | 10/17/2011 17:31:19 | 16.18  | 49.15  | 32.16        | 8.88    | 7.94 | 4.7        | 3.02            | 109.8 |
| 402      | 10/17/2011 17:46:19 | 16.02  | 49.16  | 32.17        | 8.61    | 7.92 | 5.2        | 2.92            | 106.1 |
| 403      | 10/17/2011 18:01:19 | 16.17  | 49.11  | 32.13        | 8.94    | 7.94 | 4.6        | 2.84            | 110.5 |
| 404      | 10/17/2011 18:16:19 | 16.13  | 49.12  | 32.14        | 8.76    | 7.93 | 4.5        | 2.76            | 108.2 |
| 405      | 10/17/2011 18:31:19 | 16.14  | 49.11  | 32.14        | 8.74    | 7.92 | 4.8        | 2.66            | 107.9 |
| 406      | 10/17/2011 18:46:19 | 16.15  | 49.12  | 32.14        | 8.68    | 7.92 | 4.9        | 2.55            | 107.3 |
| 407      | 10/17/2011 19:01:19 | 16.32  | 48.93  | 32.01        | 8.56    | 7.91 | 6.6        | 2.47            | 106.0 |
| 408      | 10/17/2011 19:16:19 | 16.43  | 48.85  | 31.95        | 8.54    | 7.91 | 5.8        | 2.37            | 106.0 |
| 409      | 10/17/2011 19:31:19 | 16.56  | 48.78  | 31.90        | 8.59    | 7.92 | 6.0        | 2.28            | 106.9 |
| 410      | 10/17/2011 19:46:19 | 16.59  | 48.69  | 31.84        | 8.54    | 7.91 | 6.2        | 2.16            | 106.3 |
| 411      | 10/17/2011 20:01:19 | 16.69  | 48.63  | 31.79        | 8.52    | 7.91 | 6.8        | 2.07            | 106.2 |
| 412      | 10/17/2011 20:16:19 | 16.76  | 48.57  | 31.75        | 8.52    | 7.91 | 6.5        | 1.98            | 106.3 |
| 413      | 10/17/2011 20:31:19 | 16.79  | 48.53  | 31.72        | 8.54    | 7.91 | 6.0        | 1.87            | 106.5 |
| 414      | 10/17/2011 20:46:19 | 16.81  | 48.51  | 31.71        | 8.42    | 7.90 | 6.0        | 1.79            | 105.1 |
| 415      | 10/17/2011 21:01:19 | 16.97  | 48.38  | 31.61        | 8.51    | 7.92 | 5.9        | 1.73            | 106.5 |
| 416      | 10/17/2011 21:16:19 | 17.06  | 48.31  | 31.56        | 8.59    | 7.92 | 5.4        | 1.66            | 107.6 |
| 417      | 10/17/2011 21:31:19 | 17.12  | 48.22  | 31.50        | 8.63    | 7.92 | 5.6        | 1.59            | 108.2 |
| 418      | 10/17/2011 21:46:19 | 17.16  | 48.20  | 31.48        | 8.61    | 7.92 | 5.3        | 1.58            | 108.1 |
| 419      | 10/17/2011 22:01:19 | 17.22  | 48.12  | 31.43        | 8.66    | 7.92 | 4.9        | 1.56            | 108.8 |
| 420      | 10/17/2011 22:16:19 | 17.22  | 48.10  | 31.41        | 8.61    | 7.92 | 4.9        | 1.55            | 108.1 |
| 421      | 10/17/2011 22:31:19 | 17.17  | 48.15  | 31.45        | 8.62    | 7.92 | 4.8        | 1.57            | 108.1 |
| 422      | 10/17/2011 22:46:19 | 17.16  | 48.16  | 31.45        | 8.65    | 7.92 | 4.6        | 1.59            | 108.6 |
| 423      | 10/17/2011 23:01:19 | 17.11  | 48.19  | 31.47        | 8.61    | 7.92 | 4.9        | 1.64            | 107.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 424      | 10/17/2011 23:16:19 | 17.10  | 48.22  | 31.49        | 8.63    | 7.92 | 4.6        | 1.69            | 108.2 |
| 425      | 10/17/2011 23:31:19 | 17.09  | 48.23  | 31.50        | 8.62    | 7.92 | 4.6        | 1.74            | 108.1 |
| 426      | 10/17/2011 23:46:19 | 17.10  | 48.11  | 31.42        | 8.55    | 7.91 | 5.1        | 1.81            | 107.1 |
| 427      | 10/18/2011 00:01:19 | 17.07  | 48.19  | 31.48        | 8.57    | 7.91 | 5.2        | 1.87            | 107.3 |
| 428      | 10/18/2011 00:16:19 | 17.06  | 48.15  | 31.44        | 8.50    | 7.91 | 5.1        | 1.92            | 106.4 |
| 429      | 10/18/2011 00:31:19 | 17.05  | 48.16  | 31.46        | 8.48    | 7.90 | 5.0        | 1.99            | 106.2 |
| 430      | 10/18/2011 00:46:19 | 17.05  | 48.18  | 31.47        | 8.50    | 7.91 | 5.3        | 2.07            | 106.4 |
| 431      | 10/18/2011 01:01:19 | 17.02  | 48.17  | 31.46        | 8.50    | 7.90 | 5.7        | 2.13            | 106.4 |
| 432      | 10/18/2011 01:16:19 | 16.84  | 48.40  | 31.62        | 8.43    | 7.90 | 5.7        | 2.19            | 105.2 |
| 433      | 10/18/2011 01:31:19 | 16.74  | 48.46  | 31.67        | 8.34    | 7.89 | 5.6        | 2.26            | 103.9 |
| 434      | 10/18/2011 01:46:19 | 16.63  | 48.57  | 31.74        | 8.32    | 7.89 | 6.1        | 2.34            | 103.5 |
| 435      | 10/18/2011 02:01:19 | 16.58  | 48.59  | 31.76        | 8.29    | 7.89 | 5.7        | 2.42            | 103.1 |
| 436      | 10/18/2011 02:16:19 | 16.45  | 48.67  | 31.82        | 8.30    | 7.89 | 5.7        | 2.47            | 103.0 |
| 437      | 10/18/2011 02:31:19 | 16.36  | 48.81  | 31.92        | 8.28    | 7.89 | 4.8        | 2.53            | 102.6 |
| 438      | 10/18/2011 02:46:19 | 16.27  | 48.89  | 31.98        | 8.29    | 7.89 | 4.8        | 2.61            | 102.5 |
| 439      | 10/18/2011 03:01:19 | 16.20  | 48.89  | 31.98        | 8.27    | 7.89 | 4.8        | 2.67            | 102.2 |
| 440      | 10/18/2011 03:16:19 | 16.07  | 49.00  | 32.05        | 8.22    | 7.89 | 4.3        | 2.72            | 101.4 |
| 441      | 10/18/2011 03:31:19 | 15.95  | 49.06  | 32.10        | 8.20    | 7.88 | 4.5        | 2.78            | 100.8 |
| 442      | 10/18/2011 03:46:19 | 15.86  | 49.08  | 32.11        | 8.17    | 7.88 | 4.3        | 2.84            | 100.4 |
| 443      | 10/18/2011 04:01:19 | 15.67  | 49.17  | 32.17        | 8.15    | 7.88 | 4.2        | 2.89            | 99.8  |
| 444      | 10/18/2011 04:16:19 | 15.55  | 49.23  | 32.21        | 8.13    | 7.88 | 4.3        | 2.93            | 99.3  |
| 445      | 10/18/2011 04:31:19 | 15.46  | 49.26  | 32.23        | 8.13    | 7.88 | 3.9        | 2.98            | 99.2  |
| 446      | 10/18/2011 04:46:19 | 15.39  | 49.31  | 32.27        | 8.10    | 7.88 | 3.7        | 3.01            | 98.7  |
| 447      | 10/18/2011 05:01:19 | 15.32  | 49.28  | 32.25        | 8.07    | 7.88 | 3.9        | 3.04            | 98.1  |
| 448      | 10/18/2011 05:16:19 | 15.30  | 49.34  | 32.29        | 7.97    | 7.87 | 3.2        | 3.06            | 97.0  |
| 449      | 10/18/2011 05:31:19 | 15.38  | 49.31  | 32.27        | 8.01    | 7.87 | 4.0        | 3.07            | 97.6  |
| 450      | 10/18/2011 05:46:19 | 15.27  | 49.38  | 32.31        | 7.97    | 7.87 | 3.8        | 3.07            | 96.9  |
| 451      | 10/18/2011 06:01:19 | 15.30  | 49.36  | 32.30        | 8.00    | 7.87 | 3.7        | 3.04            | 97.3  |
| 452      | 10/18/2011 06:16:19 | 15.37  | 49.33  | 32.28        | 8.00    | 7.87 | 4.0        | 3.01            | 97.4  |
| 453      | 10/18/2011 06:31:19 | 15.55  | 49.21  | 32.19        | 7.92    | 7.87 | 4.3        | 2.98            | 96.7  |
| 454      | 10/18/2011 06:46:19 | 15.62  | 49.15  | 32.15        | 7.94    | 7.87 | 3.9        | 2.93            | 97.1  |
| 455      | 10/18/2011 07:01:19 | 15.70  | 49.07  | 32.10        | 7.80    | 7.86 | 4.3        | 2.87            | 95.4  |
| 456      | 10/18/2011 07:16:19 | 15.76  | 48.97  | 32.03        | 7.62    | 7.84 | 5.2        | 2.83            | 93.3  |
| 457      | 10/18/2011 07:31:19 | 15.79  | 48.96  | 32.02        | 7.65    | 7.84 | 5.2        | 2.78            | 93.8  |
| 458      | 10/18/2011 07:46:19 | 15.84  | 48.99  | 32.04        | 7.71    | 7.85 | 5.1        | 2.73            | 94.6  |
| 459      | 10/18/2011 08:01:19 | 15.87  | 48.92  | 31.99        | 7.66    | 7.84 | 5.2        | 2.69            | 94.1  |
| 460      | 10/18/2011 08:16:19 | 15.93  | 48.85  | 31.94        | 7.62    | 7.84 | 4.9        | 2.66            | 93.6  |
| 461      | 10/18/2011 08:31:19 | 16.02  | 48.79  | 31.90        | 7.58    | 7.84 | 4.6        | 2.64            | 93.3  |
| 462      | 10/18/2011 08:46:19 | 16.09  | 48.76  | 31.88        | 7.58    | 7.84 | 4.7        | 2.62            | 93.4  |
| 463      | 10/18/2011 09:01:19 | 16.11  | 48.73  | 31.86        | 7.63    | 7.84 | 4.5        | 2.59            | 94.0  |
| 464      | 10/18/2011 09:16:19 | 16.20  | 48.71  | 31.85        | 7.67    | 7.85 | 4.3        | 2.59            | 94.7  |
| 465      | 10/18/2011 09:31:19 | 16.24  | 48.68  | 31.82        | 7.65    | 7.85 | 3.8        | 2.58            | 94.5  |
| 466      | 10/18/2011 09:46:19 | 16.28  | 48.62  | 31.78        | 7.56    | 7.85 | 4.9        | 2.57            | 93.4  |
| 467      | 10/18/2011 10:01:19 | 16.12  | 48.77  | 31.89        | 7.34    | 7.84 | 4.3        | 2.57            | 90.5  |
| 468      | 10/18/2011 10:16:19 | 16.01  | 48.76  | 31.88        | 7.54    | 7.84 | 4.2        | 2.59            | 92.7  |
| 469      | 10/18/2011 10:31:19 | 16.05  | 48.76  | 31.88        | 7.59    | 7.84 | 4.2        | 2.61            | 93.5  |
| 470      | 10/18/2011 10:46:19 | 16.00  | 48.77  | 31.89        | 7.48    | 7.83 | 4.6        | 2.61            | 92.0  |
| 471      | 10/18/2011 11:01:19 | 16.05  | 48.83  | 31.93        | 7.69    | 7.85 | 4.7        | 2.64            | 94.7  |
| 472      | 10/18/2011 11:16:19 | 16.02  | 48.85  | 31.94        | 7.69    | 7.85 | 4.6        | 2.68            | 94.6  |
| 473      | 10/18/2011 11:31:19 | 16.01  | 48.90  | 31.98        | 7.79    | 7.86 | 4.7        | 2.70            | 95.9  |
| 474      | 10/18/2011 11:46:19 | 16.13  | 48.92  | 31.99        | 7.87    | 7.86 | 4.2        | 2.74            | 97.1  |
| 475      | 10/18/2011 12:01:19 | 16.07  | 48.90  | 31.98        | 7.84    | 7.86 | 4.3        | 2.78            | 96.7  |
| 476      | 10/18/2011 12:16:19 | 15.93  | 48.99  | 32.04        | 7.88    | 7.86 | 4.5        | 2.83            | 96.9  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 477      | 10/18/2011 12:31:19 | 15.97  | 49.06  | 32.09        | 7.84    | 7.86 | 4.2        | 2.87   | 96.5  |
| 478      | 10/18/2011 12:46:19 | 15.75  | 49.19  | 32.18        | 7.94    | 7.86 | 3.8        | 2.92   | 97.3  |
| 479      | 10/18/2011 13:01:19 | 15.77  | 49.18  | 32.18        | 7.99    | 7.86 | 4.1        | 2.98   | 98.0  |
| 480      | 10/18/2011 13:16:19 | 15.50  | 49.32  | 32.28        | 8.07    | 7.87 | 3.5        | 3.02   | 98.5  |
| 481      | 10/18/2011 13:31:19 | 15.48  | 49.39  | 32.33        | 8.08    | 7.87 | 3.4        | 3.08   | 98.6  |
| 482      | 10/18/2011 13:46:19 | 15.36  | 49.51  | 32.41        | 8.13    | 7.88 | 3.3        | 3.13   | 99.1  |
| 483      | 10/18/2011 14:01:19 | 15.29  | 49.58  | 32.46        | 8.16    | 7.88 | 3.1        | 3.18   | 99.3  |
| 484      | 10/18/2011 14:16:19 | 15.18  | 49.66  | 32.52        | 8.22    | 7.88 | 2.9        | 3.24   | 99.8  |
| 485      | 10/18/2011 14:31:19 | 14.97  | 49.74  | 32.57        | 8.18    | 7.87 | 2.9        | 3.28   | 98.9  |
| 486      | 10/18/2011 14:46:19 | 14.60  | 49.85  | 32.64        | 8.08    | 7.87 | 3.1        | 3.31   | 97.1  |
| 487      | 10/18/2011 15:01:19 | 14.38  | 49.94  | 32.70        | 8.00    | 7.87 | 2.7        | 3.36   | 95.8  |
| 488      | 10/18/2011 15:16:19 | 14.33  | 49.95  | 32.71        | 7.95    | 7.87 | 2.7        | 3.38   | 95.1  |
| 489      | 10/18/2011 15:31:19 | 14.45  | 49.91  | 32.68        | 7.92    | 7.87 | 2.7        | 3.40   | 94.9  |
| 490      | 10/18/2011 15:46:19 | 14.46  | 49.93  | 32.70        | 7.82    | 7.86 | 2.6        | 3.40   | 93.8  |
| 491      | 10/18/2011 16:01:19 | 14.41  | 49.95  | 32.71        | 7.88    | 7.86 | 2.8        | 3.41   | 94.4  |
| 492      | 10/18/2011 16:16:19 | 14.46  | 49.92  | 32.69        | 7.88    | 7.86 | 2.9        | 3.41   | 94.4  |
| 493      | 10/18/2011 16:31:19 | 14.49  | 49.93  | 32.70        | 7.91    | 7.86 | 2.8        | 3.38   | 94.9  |
| 494      | 10/18/2011 16:46:19 | 14.62  | 49.88  | 32.67        | 8.04    | 7.87 | 2.9        | 3.34   | 96.7  |
| 495      | 10/18/2011 17:01:19 | 14.88  | 49.76  | 32.59        | 8.03    | 7.87 | 2.9        | 3.30   | 97.0  |
| 496      | 10/18/2011 17:16:19 | 15.22  | 49.63  | 32.49        | 8.17    | 7.88 | 3.2        | 3.25   | 99.3  |
| 497      | 10/18/2011 17:31:19 | 15.29  | 49.53  | 32.42        | 8.18    | 7.88 | 3.3        | 3.19   | 99.5  |
| 498      | 10/18/2011 17:46:19 | 15.67  | 49.38  | 32.32        | 8.36    | 7.89 | 4.2        | 3.12   | 102.5 |
| 499      | 10/18/2011 18:01:19 | 15.84  | 49.30  | 32.27        | 8.39    | 7.90 | 3.8        | 3.05   | 103.2 |
| 500      | 10/18/2011 18:16:19 | 16.43  | 49.17  | 32.19        | 9.02    | 7.95 | 4.3        | 2.98   | 112.1 |
| 501      | 10/18/2011 18:31:19 | 16.51  | 49.20  | 32.21        | 8.92    | 7.94 | 4.4        | 2.90   | 111.0 |
| 502      | 10/18/2011 18:46:19 | 16.32  | 49.19  | 32.20        | 8.76    | 7.93 | 4.5        | 2.81   | 108.6 |
| 503      | 10/18/2011 19:01:19 | 16.26  | 49.16  | 32.17        | 8.72    | 7.92 | 4.3        | 2.72   | 108.1 |
| 504      | 10/18/2011 19:16:19 | 16.22  | 49.17  | 32.18        | 8.58    | 7.91 | 4.5        | 2.66   | 106.1 |
| 505      | 10/18/2011 19:31:19 | 16.38  | 49.05  | 32.10        | 8.46    | 7.90 | 4.9        | 2.57   | 105.0 |
| 506      | 10/18/2011 19:46:19 | 16.36  | 49.05  | 32.09        | 8.41    | 7.90 | 5.2        | 2.47   | 104.4 |
| 507      | 10/18/2011 20:01:19 | 16.47  | 48.96  | 32.03        | 8.38    | 7.90 | 5.5        | 2.38   | 104.1 |
| 508      | 10/18/2011 20:16:19 | 16.63  | 48.84  | 31.95        | 8.52    | 7.91 | 5.9        | 2.29   | 106.2 |
| 509      | 10/18/2011 20:31:19 | 16.76  | 48.75  | 31.88        | 8.51    | 7.91 | 5.7        | 2.19   | 106.2 |
| 510      | 10/18/2011 20:46:19 | 16.85  | 48.72  | 31.86        | 8.56    | 7.92 | 6.8        | 2.10   | 107.0 |
| 511      | 10/18/2011 21:01:19 | 16.98  | 48.63  | 31.79        | 8.61    | 7.92 | 5.8        | 2.00   | 107.8 |
| 512      | 10/18/2011 21:16:19 | 17.02  | 48.58  | 31.76        | 8.64    | 7.93 | 5.9        | 1.92   | 108.3 |
| 513      | 10/18/2011 21:31:19 | 17.12  | 48.52  | 31.71        | 8.72    | 7.93 | 5.8        | 1.84   | 109.5 |
| 514      | 10/18/2011 21:46:19 | 17.18  | 48.47  | 31.68        | 8.77    | 7.94 | 5.3        | 1.76   | 110.3 |
| 515      | 10/18/2011 22:01:19 | 17.32  | 48.35  | 31.60        | 8.89    | 7.95 | 5.1        | 1.72   | 112.0 |
| 516      | 10/18/2011 22:16:19 | 17.38  | 48.32  | 31.58        | 8.86    | 7.95 | 5.0        | 1.67   | 111.8 |
| 517      | 10/18/2011 22:31:19 | 17.43  | 48.25  | 31.52        | 8.91    | 7.95 | 5.1        | 1.63   | 112.5 |
| 518      | 10/18/2011 22:46:19 | 17.50  | 48.24  | 31.51        | 8.99    | 7.96 | 4.7        | 1.61   | 113.6 |
| 519      | 10/18/2011 23:01:19 | 17.49  | 48.23  | 31.51        | 8.99    | 7.96 | 4.6        | 1.60   | 113.6 |
| 520      | 10/18/2011 23:16:19 | 17.44  | 48.22  | 31.50        | 8.91    | 7.96 | 4.6        | 1.62   | 112.4 |
| 521      | 10/18/2011 23:31:19 | 17.42  | 48.23  | 31.51        | 8.95    | 7.95 | 4.4        | 1.63   | 112.9 |
| 522      | 10/18/2011 23:46:19 | 17.41  | 48.24  | 31.52        | 8.93    | 7.95 | 4.5        | 1.67   | 112.6 |
| 523      | 10/19/2011 00:01:19 | 17.36  | 48.27  | 31.54        | 8.87    | 7.94 | 4.8        | 1.71   | 111.8 |
| 524      | 10/19/2011 00:16:19 | 17.35  | 48.29  | 31.55        | 8.85    | 7.95 | 4.7        | 1.75   | 111.5 |
| 525      | 10/19/2011 00:31:19 | 17.31  | 48.31  | 31.57        | 8.82    | 7.94 | 4.9        | 1.80   | 111.1 |
| 526      | 10/19/2011 00:46:19 | 17.29  | 48.20  | 31.49        | 8.71    | 7.93 | 4.8        | 1.85   | 109.7 |
| 527      | 10/19/2011 01:01:19 | 17.27  | 48.28  | 31.55        | 8.71    | 7.93 | 4.8        | 1.91   | 109.6 |
| 528      | 10/19/2011 01:16:19 | 17.25  | 48.27  | 31.53        | 8.67    | 7.92 | 5.1        | 1.98   | 109.0 |
| 529      | 10/19/2011 01:31:19 | 17.21  | 48.30  | 31.56        | 8.62    | 7.92 | 5.0        | 2.03   | 108.4 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 530      | 10/19/2011 01:46:19 | 17.19  | 48.30  | 31.56        | 8.61    | 7.92 | 5.3        | 2.10   | 108.2 |
| 531      | 10/19/2011 02:01:19 | 17.13  | 48.37  | 31.61        | 8.60    | 7.92 | 5.7        | 2.17   | 107.9 |
| 532      | 10/19/2011 02:16:19 | 16.95  | 48.51  | 31.70        | 8.48    | 7.91 | 5.7        | 2.23   | 106.2 |
| 533      | 10/19/2011 02:31:19 | 16.86  | 48.58  | 31.76        | 8.39    | 7.90 | 5.4        | 2.29   | 104.9 |
| 534      | 10/19/2011 02:46:19 | 16.78  | 48.63  | 31.79        | 8.34    | 7.90 | 5.7        | 2.36   | 104.2 |
| 535      | 10/19/2011 03:01:19 | 16.65  | 48.74  | 31.87        | 8.29    | 7.90 | 4.8        | 2.43   | 103.3 |
| 536      | 10/19/2011 03:16:19 | 16.53  | 48.85  | 31.95        | 8.29    | 7.90 | 5.0        | 2.50   | 103.0 |
| 537      | 10/19/2011 03:31:19 | 16.47  | 48.88  | 31.97        | 8.27    | 7.90 | 4.6        | 2.55   | 102.8 |
| 538      | 10/19/2011 03:46:19 | 16.42  | 48.95  | 32.02        | 8.26    | 7.90 | 4.6        | 2.61   | 102.5 |
| 539      | 10/19/2011 04:01:19 | 16.32  | 49.01  | 32.06        | 8.25    | 7.89 | 4.3        | 2.68   | 102.2 |
| 540      | 10/19/2011 04:16:19 | 16.21  | 49.07  | 32.11        | 8.23    | 7.89 | 4.1        | 2.74   | 101.7 |
| 541      | 10/19/2011 04:31:19 | 16.11  | 49.12  | 32.14        | 8.19    | 7.89 | 4.1        | 2.79   | 101.2 |
| 542      | 10/19/2011 04:46:19 | 16.01  | 49.17  | 32.17        | 8.19    | 7.89 | 4.1        | 2.84   | 100.9 |
| 543      | 10/19/2011 05:01:19 | 15.89  | 49.20  | 32.20        | 8.17    | 7.88 | 3.9        | 2.89   | 100.4 |
| 544      | 10/19/2011 05:16:19 | 15.78  | 49.24  | 32.23        | 8.14    | 7.88 | 4.0        | 2.94   | 99.9  |
| 545      | 10/19/2011 05:31:19 | 15.67  | 49.27  | 32.24        | 8.10    | 7.88 | 3.7        | 2.97   | 99.3  |
| 546      | 10/19/2011 05:46:19 | 15.60  | 49.33  | 32.29        | 8.10    | 7.88 | 3.7        | 3.01   | 99.1  |
| 547      | 10/19/2011 06:01:19 | 15.55  | 49.35  | 32.30        | 8.06    | 7.88 | 3.4        | 3.03   | 98.6  |
| 548      | 10/19/2011 06:16:19 | 15.49  | 49.38  | 32.32        | 8.01    | 7.88 | 3.0        | 3.06   | 97.8  |
| 549      | 10/19/2011 06:31:19 | 15.58  | 49.34  | 32.29        | 8.04    | 7.88 | 3.9        | 3.05   | 98.3  |
| 550      | 10/19/2011 06:46:19 | 15.48  | 49.38  | 32.32        | 7.97    | 7.87 | 3.7        | 3.05   | 97.2  |
| 551      | 10/19/2011 07:01:19 | 15.48  | 49.39  | 32.33        | 7.98    | 7.87 | 3.7        | 3.04   | 97.4  |
| 552      | 10/19/2011 07:16:19 | 15.53  | 49.36  | 32.31        | 7.99    | 7.87 | 3.5        | 3.01   | 97.6  |
| 553      | 10/19/2011 07:31:19 | 15.65  | 49.31  | 32.27        | 7.98    | 7.87 | 3.5        | 2.97   | 97.7  |
| 554      | 10/19/2011 07:46:19 | 15.78  | 49.23  | 32.21        | 8.01    | 7.87 | 3.9        | 2.94   | 98.3  |
| 555      | 10/19/2011 08:01:19 | 15.85  | 49.19  | 32.19        | 7.95    | 7.87 | 4.1        | 2.89   | 97.6  |
| 556      | 10/19/2011 08:16:19 | 15.94  | 49.14  | 32.15        | 7.82    | 7.86 | 4.3        | 2.85   | 96.3  |
| 557      | 10/19/2011 08:31:19 | 16.02  | 49.08  | 32.11        | 7.79    | 7.86 | 4.6        | 2.81   | 96.0  |
| 558      | 10/19/2011 08:46:19 | 16.07  | 49.04  | 32.08        | 7.65    | 7.85 | 4.6        | 2.75   | 94.3  |
| 559      | 10/19/2011 09:01:19 | 16.07  | 49.04  | 32.08        | 7.65    | 7.85 | 4.3        | 2.73   | 94.4  |
| 560      | 10/19/2011 09:16:19 | 16.11  | 49.00  | 32.06        | 7.63    | 7.85 | 4.3        | 2.68   | 94.1  |
| 561      | 10/19/2011 09:31:19 | 16.20  | 48.94  | 32.01        | 7.71    | 7.85 | 4.2        | 2.65   | 95.3  |
| 562      | 10/19/2011 09:46:19 | 16.28  | 48.90  | 31.98        | 7.71    | 7.86 | 4.2        | 2.63   | 95.4  |
| 563      | 10/19/2011 10:01:19 | 16.35  | 48.80  | 31.91        | 7.66    | 7.85 | 4.1        | 2.60   | 94.9  |
| 564      | 10/19/2011 10:16:19 | 16.41  | 48.80  | 31.91        | 7.74    | 7.85 | 4.0        | 2.58   | 95.9  |
| 565      | 10/19/2011 10:31:19 | 16.44  | 48.79  | 31.90        | 7.76    | 7.86 | 4.2        | 2.58   | 96.3  |
| 566      | 10/19/2011 10:46:19 | 16.52  | 48.71  | 31.85        | 7.83    | 7.86 | 3.8        | 2.55   | 97.3  |
| 567      | 10/19/2011 11:01:19 | 16.54  | 48.71  | 31.85        | 7.73    | 7.87 | 3.4        | 2.55   | 96.1  |
| 568      | 10/19/2011 11:16:19 | 16.41  | 48.78  | 31.90        | 7.64    | 7.85 | 3.9        | 2.57   | 94.8  |
| 569      | 10/19/2011 11:31:19 | 16.32  | 48.85  | 31.94        | 7.63    | 7.85 | 3.7        | 2.57   | 94.4  |
| 570      | 10/19/2011 11:46:19 | 16.32  | 48.85  | 31.95        | 7.57    | 7.85 | 4.1        | 2.60   | 93.7  |
| 571      | 10/19/2011 12:01:19 | 16.30  | 48.89  | 31.97        | 7.68    | 7.85 | 4.0        | 2.62   | 95.0  |
| 572      | 10/19/2011 12:16:19 | 16.25  | 48.93  | 32.00        | 7.70    | 7.86 | 3.8        | 2.65   | 95.3  |
| 573      | 10/19/2011 12:31:19 | 16.17  | 48.98  | 32.04        | 7.71    | 7.86 | 3.5        | 2.68   | 95.3  |
| 574      | 10/19/2011 12:46:19 | 16.19  | 48.98  | 32.04        | 7.78    | 7.86 | 4.3        | 2.71   | 96.2  |
| 575      | 10/19/2011 13:01:19 | 16.15  | 49.02  | 32.07        | 7.82    | 7.86 | 3.8        | 2.75   | 96.6  |
| 576      | 10/19/2011 13:16:19 | 16.09  | 49.02  | 32.07        | 7.86    | 7.86 | 3.6        | 2.79   | 96.9  |
| 577      | 10/19/2011 13:31:19 | 15.92  | 49.10  | 32.12        | 7.82    | 7.86 | 3.7        | 2.83   | 96.1  |
| 578      | 10/19/2011 13:46:19 | 15.93  | 49.12  | 32.14        | 7.91    | 7.86 | 3.5        | 2.86   | 97.3  |
| 579      | 10/19/2011 14:01:19 | 15.85  | 49.17  | 32.17        | 7.91    | 7.86 | 3.3        | 2.91   | 97.2  |
| 580      | 10/19/2011 14:16:19 | 15.84  | 49.21  | 32.20        | 7.97    | 7.87 | 3.5        | 2.95   | 97.9  |
| 581      | 10/19/2011 14:31:19 | 15.82  | 49.21  | 32.21        | 8.02    | 7.87 | 3.1        | 2.99   | 98.5  |
| 582      | 10/19/2011 14:46:19 | 15.77  | 49.25  | 32.23        | 8.06    | 7.87 | 3.2        | 3.04   | 98.9  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 583      | 10/19/2011 15:01:19 | 15.61  | 49.37  | 32.31        | 8.08    | 7.87 | 3.1        | 3.08            | 98.8  |
| 584      | 10/19/2011 15:16:19 | 15.58  | 49.41  | 32.35        | 8.10    | 7.88 | 3.0        | 3.13            | 99.1  |
| 585      | 10/19/2011 15:31:19 | 15.50  | 49.47  | 32.39        | 8.16    | 7.88 | 2.9        | 3.18            | 99.7  |
| 586      | 10/19/2011 15:46:19 | 15.35  | 49.55  | 32.44        | 8.16    | 7.88 | 2.8        | 3.21            | 99.4  |
| 587      | 10/19/2011 16:01:19 | 15.17  | 49.65  | 32.51        | 8.11    | 7.88 | 2.9        | 3.25            | 98.6  |
| 588      | 10/19/2011 16:16:19 | 14.89  | 49.75  | 32.58        | 7.98    | 7.87 | 2.6        | 3.28            | 96.4  |
| 589      | 10/19/2011 16:31:19 | 14.61  | 49.90  | 32.68        | 7.98    | 7.86 | 2.7        | 3.30            | 96.0  |
| 590      | 10/19/2011 16:46:19 | 14.53  | 49.93  | 32.70        | 7.90    | 7.86 | 2.9        | 3.32            | 94.9  |
| 591      | 10/19/2011 17:01:19 | 14.55  | 49.92  | 32.69        | 7.78    | 7.86 | 2.3        | 3.33            | 93.4  |
| 592      | 10/19/2011 17:16:19 | 14.69  | 49.86  | 32.65        | 7.81    | 7.86 | 2.7        | 3.31            | 94.0  |
| 593      | 10/19/2011 17:31:19 | 14.96  | 49.76  | 32.59        | 8.04    | 7.87 | 2.9        | 3.30            | 97.3  |
| 594      | 10/19/2011 17:46:19 | 15.09  | 49.66  | 32.51        | 8.01    | 7.87 | 2.9        | 3.27            | 97.2  |
| 595      | 10/19/2011 18:01:19 | 14.93  | 49.74  | 32.57        | 7.98    | 7.87 | 3.1        | 3.23            | 96.5  |
| 596      | 10/19/2011 18:16:19 | 15.20  | 49.59  | 32.46        | 8.05    | 7.87 | 3.3        | 3.18            | 97.8  |
| 597      | 10/19/2011 18:31:19 | 15.50  | 49.47  | 32.38        | 8.15    | 7.88 | 3.4        | 3.13            | 99.6  |
| 598      | 10/19/2011 18:46:20 | 15.84  | 49.31  | 32.27        | 8.28    | 7.90 | 4.2        | 3.07            | 101.8 |
| 599      | 10/19/2011 19:01:19 | 15.79  | 49.30  | 32.27        | 8.21    | 7.90 | 4.3        | 3.00            | 100.8 |
| 600      | 10/19/2011 19:16:19 | 15.71  | 49.36  | 32.31        | 8.10    | 7.89 | 4.2        | 2.93            | 99.3  |
| 601      | 10/19/2011 19:31:19 | 15.66  | 49.33  | 32.29        | 8.05    | 7.88 | 4.6        | 2.86            | 98.6  |
| 602      | 10/19/2011 19:46:19 | 15.70  | 49.34  | 32.29        | 8.07    | 7.88 | 4.6        | 2.78            | 98.9  |
| 603      | 10/19/2011 20:01:19 | 15.82  | 49.24  | 32.23        | 8.05    | 7.89 | 4.9        | 2.70            | 98.9  |
| 604      | 10/19/2011 20:16:19 | 15.78  | 49.28  | 32.25        | 8.04    | 7.88 | 5.2        | 2.62            | 98.7  |
| 605      | 10/19/2011 20:31:19 | 16.03  | 49.10  | 32.13        | 8.05    | 7.89 | 6.0        | 2.54            | 99.3  |
| 606      | 10/19/2011 20:46:19 | 16.03  | 49.10  | 32.12        | 7.99    | 7.88 | 5.9        | 2.45            | 98.4  |
| 607      | 10/19/2011 21:01:19 | 16.23  | 48.94  | 32.01        | 8.08    | 7.89 | 7.1        | 2.36            | 99.9  |
| 608      | 10/19/2011 21:16:19 | 16.40  | 48.78  | 31.90        | 8.10    | 7.89 | 7.0        | 2.27            | 100.5 |
| 609      | 10/19/2011 21:31:19 | 16.38  | 48.77  | 31.89        | 8.06    | 7.89 | 6.8        | 2.19            | 99.8  |
| 610      | 10/19/2011 21:46:19 | 16.46  | 48.72  | 31.86        | 8.04    | 7.89 | 7.1        | 2.10            | 99.8  |
| 611      | 10/19/2011 22:01:19 | 16.40  | 48.73  | 31.86        | 8.02    | 7.89 | 6.8        | 2.01            | 99.4  |
| 612      | 10/19/2011 22:16:19 | 16.37  | 48.73  | 31.86        | 8.00    | 7.89 | 6.9        | 1.93            | 99.1  |
| 613      | 10/19/2011 22:31:19 | 16.49  | 48.64  | 31.80        | 7.99    | 7.89 | 7.0        | 1.86            | 99.2  |
| 614      | 10/19/2011 22:46:19 | 16.56  | 48.58  | 31.75        | 8.00    | 7.89 | 7.1        | 1.79            | 99.4  |
| 615      | 10/19/2011 23:01:19 | 16.64  | 48.53  | 31.72        | 8.00    | 7.90 | 6.8        | 1.74            | 99.6  |
| 616      | 10/19/2011 23:16:19 | 16.72  | 48.47  | 31.68        | 8.04    | 7.90 | 6.8        | 1.68            | 100.2 |
| 617      | 10/19/2011 23:31:19 | 16.79  | 48.41  | 31.64        | 8.06    | 7.90 | 6.5        | 1.66            | 100.6 |
| 618      | 10/19/2011 23:46:19 | 16.81  | 48.40  | 31.62        | 8.03    | 7.91 | 6.3        | 1.64            | 100.2 |
| 619      | 10/20/2011 00:01:19 | 16.80  | 48.38  | 31.61        | 8.06    | 7.91 | 6.5        | 1.63            | 100.5 |
| 620      | 10/20/2011 00:16:19 | 16.77  | 48.41  | 31.64        | 8.02    | 7.91 | 5.9        | 1.65            | 100.0 |
| 621      | 10/20/2011 00:31:19 | 16.78  | 48.36  | 31.60        | 8.04    | 7.91 | 5.7        | 1.64            | 100.3 |
| 622      | 10/20/2011 00:46:19 | 16.76  | 48.35  | 31.59        | 8.07    | 7.90 | 6.1        | 1.70            | 100.6 |
| 623      | 10/20/2011 01:01:19 | 16.72  | 48.40  | 31.62        | 8.07    | 7.90 | 5.9        | 1.72            | 100.4 |
| 624      | 10/20/2011 01:16:19 | 16.72  | 48.37  | 31.60        | 8.05    | 7.90 | 6.0        | 1.76            | 100.3 |
| 625      | 10/20/2011 01:31:19 | 16.71  | 48.40  | 31.62        | 8.06    | 7.90 | 8.8        | 1.81            | 100.4 |
| 626      | 10/20/2011 01:46:19 | 16.67  | 48.31  | 31.56        | 8.01    | 7.89 | 13.8       | 1.86            | 99.6  |
| 627      | 10/20/2011 02:01:19 | 16.62  | 48.31  | 31.56        | 7.99    | 7.89 | 8.6        | 1.91            | 99.3  |
| 628      | 10/20/2011 02:16:19 | 16.67  | 48.38  | 31.61        | 7.95    | 7.89 | 6.3        | 1.97            | 98.9  |
| 629      | 10/20/2011 02:31:19 | 16.67  | 48.38  | 31.61        | 7.98    | 7.89 | 6.9        | 2.04            | 99.3  |
| 630      | 10/20/2011 02:46:19 | 16.65  | 48.37  | 31.60        | 7.96    | 7.89 | 6.7        | 2.10            | 99.0  |
| 631      | 10/20/2011 03:01:19 | 16.65  | 48.42  | 31.64        | 7.99    | 7.89 | 6.8        | 2.16            | 99.4  |
| 632      | 10/20/2011 03:16:19 | 16.46  | 48.65  | 31.80        | 7.94    | 7.89 | 6.6        | 2.23            | 98.5  |
| 633      | 10/20/2011 03:31:19 | 16.37  | 48.62  | 31.78        | 7.92    | 7.88 | 6.4        | 2.29            | 98.0  |
| 634      | 10/20/2011 03:46:19 | 16.26  | 48.62  | 31.78        | 7.91    | 7.88 | 5.6        | 2.36            | 97.7  |
| 635      | 10/20/2011 04:01:19 | 16.27  | 48.79  | 31.90        | 7.92    | 7.88 | 6.1        | 2.43            | 98.0  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%  |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |      |
| 636      | 10/20/2011 04:16:19 | 16.17  | 48.89  | 31.97        | 7.97    | 7.88 | 6.2        | 2.49            | 98.4 |
| 637      | 10/20/2011 04:31:19 | 16.08  | 48.96  | 32.03        | 8.01    | 7.89 | 5.3        | 2.56            | 98.7 |
| 638      | 10/20/2011 04:46:19 | 16.02  | 49.04  | 32.08        | 8.03    | 7.89 | 4.8        | 2.62            | 99.0 |
| 639      | 10/20/2011 05:01:19 | 15.94  | 49.11  | 32.13        | 8.03    | 7.89 | 5.0        | 2.69            | 98.8 |
| 640      | 10/20/2011 05:16:19 | 15.80  | 49.17  | 32.18        | 8.02    | 7.88 | 4.8        | 2.75            | 98.5 |
| 641      | 10/20/2011 05:31:19 | 15.68  | 49.23  | 32.21        | 7.99    | 7.88 | 4.8        | 2.80            | 97.9 |
| 642      | 10/20/2011 05:46:19 | 15.56  | 49.29  | 32.25        | 7.98    | 7.88 | 4.4        | 2.87            | 97.5 |
| 643      | 10/20/2011 06:01:19 | 15.40  | 49.33  | 32.28        | 7.95    | 7.87 | 4.5        | 2.92            | 96.9 |
| 644      | 10/20/2011 06:16:19 | 15.28  | 49.37  | 32.31        | 7.95    | 7.87 | 4.0        | 2.96            | 96.6 |
| 645      | 10/20/2011 06:31:19 | 15.19  | 49.42  | 32.34        | 7.94    | 7.87 | 4.5        | 3.01            | 96.4 |
| 646      | 10/20/2011 06:46:19 | 15.12  | 49.44  | 32.36        | 7.94    | 7.87 | 3.6        | 3.05            | 96.2 |
| 647      | 10/20/2011 07:01:19 | 15.07  | 49.47  | 32.37        | 7.93    | 7.87 | 3.7        | 3.08            | 96.0 |
| 648      | 10/20/2011 07:16:19 | 15.02  | 49.49  | 32.39        | 7.88    | 7.87 | 3.2        | 3.10            | 95.3 |
| 649      | 10/20/2011 07:31:19 | 15.17  | 49.43  | 32.35        | 7.90    | 7.87 | 4.0        | 3.11            | 95.8 |
| 650      | 10/20/2011 07:46:19 | 15.02  | 49.50  | 32.40        | 7.81    | 7.86 | 3.8        | 3.11            | 94.5 |
| 651      | 10/20/2011 08:01:19 | 15.00  | 49.52  | 32.41        | 7.84    | 7.86 | 4.5        | 3.09            | 94.8 |
| 652      | 10/20/2011 08:16:19 | 15.06  | 49.47  | 32.38        | 7.86    | 7.86 | 4.0        | 3.07            | 95.1 |
| 653      | 10/20/2011 08:31:19 | 15.13  | 49.44  | 32.36        | 7.84    | 7.86 | 3.7        | 3.03            | 95.0 |
| 654      | 10/20/2011 08:46:19 | 15.37  | 49.20  | 32.18        | 7.56    | 7.84 | 4.6        | 2.98            | 92.0 |
| 655      | 10/20/2011 09:01:19 | 15.51  | 49.13  | 32.14        | 7.47    | 7.84 | 5.3        | 2.93            | 91.1 |
| 656      | 10/20/2011 09:16:19 | 15.62  | 49.06  | 32.09        | 7.40    | 7.83 | 4.7        | 2.87            | 90.5 |
| 657      | 10/20/2011 09:31:19 | 15.54  | 49.18  | 32.18        | 7.54    | 7.84 | 4.3        | 2.83            | 92.1 |
| 658      | 10/20/2011 09:46:19 | 15.59  | 49.16  | 32.17        | 7.61    | 7.85 | 4.9        | 2.76            | 93.0 |
| 659      | 10/20/2011 10:01:19 | 15.56  | 49.19  | 32.18        | 7.69    | 7.85 | 4.5        | 2.72            | 93.9 |
| 660      | 10/20/2011 10:16:19 | 15.69  | 49.09  | 32.11        | 7.62    | 7.85 | 4.6        | 2.68            | 93.3 |
| 661      | 10/20/2011 10:31:19 | 15.75  | 49.05  | 32.08        | 7.59    | 7.85 | 4.5        | 2.64            | 93.0 |
| 662      | 10/20/2011 10:46:19 | 15.78  | 49.04  | 32.08        | 7.63    | 7.85 | 4.2        | 2.61            | 93.6 |
| 663      | 10/20/2011 11:01:19 | 15.86  | 49.00  | 32.05        | 7.68    | 7.86 | 4.1        | 2.56            | 94.3 |
| 664      | 10/20/2011 11:16:19 | 15.91  | 48.98  | 32.03        | 7.73    | 7.86 | 4.1        | 2.54            | 95.0 |
| 665      | 10/20/2011 11:31:19 | 15.97  | 48.92  | 31.99        | 7.73    | 7.86 | 4.1        | 2.50            | 95.1 |
| 666      | 10/20/2011 11:46:19 | 16.02  | 48.89  | 31.97        | 7.73    | 7.87 | 4.2        | 2.49            | 95.2 |
| 667      | 10/20/2011 12:01:19 | 16.10  | 48.81  | 31.92        | 7.78    | 7.87 | 4.3        | 2.47            | 95.9 |
| 668      | 10/20/2011 12:16:19 | 16.12  | 48.79  | 31.90        | 7.73    | 7.86 | 4.0        | 2.46            | 95.3 |
| 669      | 10/20/2011 12:31:19 | 16.14  | 48.78  | 31.89        | 7.58    | 7.86 | 4.7        | 2.47            | 93.5 |
| 670      | 10/20/2011 12:46:19 | 16.09  | 48.82  | 31.92        | 7.68    | 7.87 | 3.7        | 2.47            | 94.7 |
| 671      | 10/20/2011 13:01:19 | 16.06  | 48.87  | 31.96        | 7.66    | 7.86 | 3.8        | 2.47            | 94.4 |
| 672      | 10/20/2011 13:16:19 | 16.03  | 48.86  | 31.95        | 7.68    | 7.86 | 4.0        | 2.50            | 94.5 |
| 673      | 10/20/2011 13:31:19 | 15.97  | 48.91  | 31.98        | 7.63    | 7.86 | 4.3        | 2.52            | 93.8 |
| 674      | 10/20/2011 13:46:19 | 15.99  | 48.91  | 31.99        | 7.67    | 7.86 | 4.3        | 2.55            | 94.4 |
| 675      | 10/20/2011 14:01:19 | 15.93  | 48.96  | 32.02        | 7.55    | 7.85 | 4.2        | 2.58            | 92.9 |
| 676      | 10/20/2011 14:16:19 | 15.87  | 48.99  | 32.05        | 7.64    | 7.86 | 4.0        | 2.62            | 93.9 |
| 677      | 10/20/2011 14:31:19 | 15.92  | 48.99  | 32.04        | 7.70    | 7.86 | 3.8        | 2.65            | 94.6 |
| 678      | 10/20/2011 14:46:19 | 15.82  | 49.03  | 32.07        | 7.68    | 7.86 | 3.8        | 2.71            | 94.2 |
| 679      | 10/20/2011 15:01:19 | 15.78  | 49.05  | 32.08        | 7.67    | 7.85 | 3.8        | 2.74            | 94.0 |
| 680      | 10/20/2011 15:16:19 | 15.69  | 49.14  | 32.15        | 7.66    | 7.86 | 3.7        | 2.78            | 93.8 |
| 681      | 10/20/2011 15:31:19 | 15.45  | 49.22  | 32.20        | 7.69    | 7.85 | 4.0        | 2.84            | 93.8 |
| 682      | 10/20/2011 15:46:19 | 15.60  | 49.12  | 32.13        | 7.77    | 7.86 | 3.6        | 2.88            | 95.0 |
| 683      | 10/20/2011 16:01:19 | 15.52  | 49.28  | 32.25        | 7.85    | 7.86 | 3.6        | 2.93            | 95.8 |
| 684      | 10/20/2011 16:16:19 | 15.37  | 49.38  | 32.32        | 7.85    | 7.86 | 3.4        | 2.98            | 95.7 |
| 685      | 10/20/2011 16:31:19 | 15.25  | 49.46  | 32.38        | 7.88    | 7.86 | 3.2        | 3.03            | 95.8 |
| 686      | 10/20/2011 16:46:19 | 15.05  | 49.58  | 32.46        | 7.96    | 7.87 | 2.9        | 3.06            | 96.4 |
| 687      | 10/20/2011 17:01:19 | 14.82  | 49.69  | 32.53        | 7.90    | 7.86 | 3.0        | 3.11            | 95.3 |
| 688      | 10/20/2011 17:16:19 | 14.89  | 49.64  | 32.50        | 7.93    | 7.86 | 2.9        | 3.14            | 95.8 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%  |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |      |
| 689      | 10/20/2011 17:31:19 | 14.97  | 49.61  | 32.48        | 7.91    | 7.87 | 3.1        | 3.17   | 95.6 |
| 690      | 10/20/2011 17:46:19 | 14.97  | 49.62  | 32.48        | 7.98    | 7.87 | 2.9        | 3.20   | 96.6 |
| 691      | 10/20/2011 18:01:19 | 14.89  | 49.68  | 32.53        | 7.90    | 7.87 | 2.7        | 3.21   | 95.4 |
| 692      | 10/20/2011 18:16:19 | 15.00  | 49.61  | 32.48        | 7.92    | 7.87 | 3.0        | 3.22   | 95.8 |
| 693      | 10/20/2011 18:31:19 | 14.76  | 49.74  | 32.57        | 7.87    | 7.86 | 2.9        | 3.22   | 94.9 |
| 694      | 10/20/2011 18:46:19 | 14.74  | 49.75  | 32.58        | 7.83    | 7.86 | 2.7        | 3.22   | 94.3 |
| 695      | 10/20/2011 19:01:19 | 14.77  | 49.73  | 32.56        | 7.86    | 7.86 | 3.0        | 3.19   | 94.8 |
| 696      | 10/20/2011 19:16:19 | 14.83  | 49.69  | 32.53        | 7.82    | 7.86 | 2.9        | 3.16   | 94.4 |
| 697      | 10/20/2011 19:31:19 | 14.95  | 49.65  | 32.50        | 7.83    | 7.86 | 3.6        | 3.11   | 94.7 |
| 698      | 10/20/2011 19:46:19 | 15.14  | 49.52  | 32.42        | 7.93    | 7.87 | 4.5        | 3.06   | 96.2 |
| 699      | 10/20/2011 20:01:19 | 15.34  | 49.41  | 32.34        | 7.89    | 7.87 | 3.8        | 3.00   | 96.1 |
| 700      | 10/20/2011 20:16:19 | 15.50  | 49.32  | 32.27        | 7.81    | 7.87 | 4.3        | 2.92   | 95.3 |
| 701      | 10/20/2011 20:31:19 | 15.52  | 49.27  | 32.24        | 7.76    | 7.86 | 4.6        | 2.86   | 94.8 |
| 702      | 10/20/2011 20:46:19 | 15.53  | 49.30  | 32.27        | 7.71    | 7.86 | 4.7        | 2.78   | 94.2 |
| 703      | 10/20/2011 21:01:19 | 15.49  | 49.34  | 32.29        | 7.73    | 7.86 | 5.0        | 2.70   | 94.4 |
| 704      | 10/20/2011 21:16:19 | 15.62  | 49.23  | 32.21        | 7.79    | 7.87 | 5.1        | 2.63   | 95.3 |
| 705      | 10/20/2011 21:31:19 | 15.56  | 49.28  | 32.25        | 7.81    | 7.86 | 5.5        | 2.54   | 95.4 |
| 706      | 10/20/2011 21:46:19 | 15.73  | 49.19  | 32.18        | 7.80    | 7.87 | 5.8        | 2.45   | 95.6 |
| 707      | 10/20/2011 22:01:19 | 15.78  | 49.13  | 32.14        | 7.79    | 7.87 | 5.5        | 2.37   | 95.6 |
| 708      | 10/20/2011 22:16:19 | 15.98  | 48.97  | 32.03        | 7.84    | 7.88 | 6.0        | 2.28   | 96.5 |
| 709      | 10/20/2011 22:31:19 | 15.88  | 48.98  | 32.04        | 7.74    | 7.87 | 6.3        | 2.19   | 95.1 |
| 710      | 10/20/2011 22:46:19 | 15.91  | 48.95  | 32.01        | 7.71    | 7.86 | 6.5        | 2.10   | 94.7 |
| 711      | 10/20/2011 23:01:19 | 15.99  | 48.88  | 31.96        | 7.71    | 7.87 | 6.3        | 2.02   | 94.9 |
| 712      | 10/20/2011 23:16:19 | 16.06  | 48.81  | 31.92        | 7.70    | 7.87 | 6.2        | 1.93   | 94.9 |
| 713      | 10/20/2011 23:31:19 | 16.09  | 48.75  | 31.87        | 7.70    | 7.86 | 6.1        | 1.85   | 94.9 |
| 714      | 10/20/2011 23:46:19 | 16.09  | 48.75  | 31.87        | 7.68    | 7.86 | 6.0        | 1.80   | 94.6 |
| 715      | 10/21/2011 00:01:19 | 16.16  | 48.71  | 31.84        | 7.69    | 7.87 | 5.8        | 1.73   | 94.9 |
| 716      | 10/21/2011 00:16:19 | 16.22  | 48.65  | 31.80        | 7.73    | 7.87 | 5.4        | 1.68   | 95.5 |
| 717      | 10/21/2011 00:31:19 | 16.29  | 48.57  | 31.74        | 7.79    | 7.88 | 5.2        | 1.64   | 96.3 |
| 718      | 10/21/2011 00:46:19 | 16.33  | 48.51  | 31.70        | 7.87    | 7.89 | 5.2        | 1.63   | 97.3 |
| 719      | 10/21/2011 01:01:19 | 16.34  | 48.51  | 31.70        | 7.86    | 7.89 | 4.8        | 1.63   | 97.2 |
| 720      | 10/21/2011 01:16:19 | 16.31  | 48.51  | 31.70        | 7.82    | 7.89 | 4.6        | 1.62   | 96.7 |
| 721      | 10/21/2011 01:31:19 | 16.31  | 48.46  | 31.67        | 7.93    | 7.89 | 4.9        | 1.64   | 98.0 |
| 722      | 10/21/2011 01:46:19 | 16.28  | 48.46  | 31.66        | 7.99    | 7.90 | 4.5        | 1.68   | 98.7 |
| 723      | 10/21/2011 02:01:19 | 16.29  | 48.48  | 31.68        | 7.92    | 7.89 | 4.6        | 1.71   | 97.8 |
| 724      | 10/21/2011 02:16:19 | 16.30  | 48.50  | 31.69        | 7.87    | 7.89 | 4.8        | 1.74   | 97.3 |
| 725      | 10/21/2011 02:31:19 | 16.31  | 48.53  | 31.71        | 7.84    | 7.88 | 5.2        | 1.81   | 96.9 |
| 726      | 10/21/2011 02:46:19 | 16.27  | 48.47  | 31.67        | 7.84    | 7.88 | 5.1        | 1.85   | 96.8 |
| 727      | 10/21/2011 03:01:19 | 16.25  | 48.45  | 31.66        | 7.79    | 7.87 | 5.4        | 1.91   | 96.1 |
| 728      | 10/21/2011 03:16:19 | 16.26  | 48.50  | 31.69        | 7.79    | 7.87 | 5.8        | 1.97   | 96.2 |
| 729      | 10/21/2011 03:31:19 | 16.25  | 48.51  | 31.70        | 7.77    | 7.87 | 6.4        | 2.03   | 96.0 |
| 730      | 10/21/2011 03:46:19 | 16.24  | 48.51  | 31.70        | 7.78    | 7.87 | 6.3        | 2.11   | 96.1 |
| 731      | 10/21/2011 04:01:19 | 16.23  | 48.54  | 31.72        | 7.79    | 7.87 | 6.6        | 2.18   | 96.2 |
| 732      | 10/21/2011 04:16:19 | 16.16  | 48.59  | 31.76        | 7.77    | 7.87 | 7.1        | 2.25   | 95.8 |
| 733      | 10/21/2011 04:31:19 | 16.07  | 48.70  | 31.84        | 7.70    | 7.86 | 7.7        | 2.33   | 94.8 |
| 734      | 10/21/2011 04:46:19 | 15.98  | 48.81  | 31.91        | 7.69    | 7.86 | 6.5        | 2.41   | 94.6 |
| 735      | 10/21/2011 05:01:19 | 15.92  | 48.87  | 31.96        | 7.72    | 7.86 | 6.5        | 2.48   | 94.8 |
| 736      | 10/21/2011 05:16:19 | 15.85  | 48.97  | 32.03        | 7.74    | 7.87 | 5.5        | 2.56   | 95.0 |
| 737      | 10/21/2011 05:31:19 | 15.77  | 49.07  | 32.10        | 7.77    | 7.87 | 5.2        | 2.63   | 95.2 |
| 738      | 10/21/2011 05:46:19 | 15.73  | 49.11  | 32.13        | 7.77    | 7.87 | 4.9        | 2.70   | 95.3 |
| 739      | 10/21/2011 06:01:19 | 15.63  | 49.16  | 32.16        | 7.77    | 7.87 | 4.5        | 2.77   | 95.1 |
| 740      | 10/21/2011 06:16:19 | 15.47  | 49.24  | 32.22        | 7.77    | 7.86 | 4.7        | 2.84   | 94.8 |
| 741      | 10/21/2011 06:31:19 | 15.37  | 49.32  | 32.27        | 7.77    | 7.86 | 4.8        | 2.90   | 94.7 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 742      | 10/21/2011 06:46:19 | 15.23  | 49.35  | 32.30        | 7.79    | 7.86 | 4.7        | 2.96            | 94.6  |
| 743      | 10/21/2011 07:01:19 | 15.04  | 49.40  | 32.33        | 7.80    | 7.86 | 4.8        | 3.02            | 94.4  |
| 744      | 10/21/2011 07:16:19 | 14.96  | 49.46  | 32.37        | 7.81    | 7.86 | 4.7        | 3.07            | 94.4  |
| 745      | 10/21/2011 07:31:19 | 14.88  | 49.46  | 32.37        | 7.80    | 7.86 | 4.2        | 3.12            | 94.2  |
| 746      | 10/21/2011 07:46:19 | 14.82  | 49.53  | 32.41        | 7.80    | 7.86 | 3.9        | 3.16            | 94.1  |
| 747      | 10/21/2011 08:01:19 | 14.73  | 49.58  | 32.45        | 7.78    | 7.85 | 3.5        | 3.18            | 93.7  |
| 748      | 10/21/2011 08:16:19 | 14.68  | 49.61  | 32.47        | 7.71    | 7.86 | 3.0        | 3.20            | 92.7  |
| 749      | 10/21/2011 08:31:19 | 14.77  | 49.56  | 32.43        | 7.72    | 7.85 | 3.8        | 3.21            | 92.9  |
| 750      | 10/21/2011 08:46:19 | 14.70  | 49.61  | 32.47        | 7.71    | 7.85 | 3.8        | 3.20            | 92.7  |
| 751      | 10/21/2011 09:01:20 | 14.73  | 49.60  | 32.47        | 7.70    | 7.85 | 3.7        | 3.18            | 92.7  |
| 752      | 10/21/2011 09:16:19 | 14.81  | 49.55  | 32.43        | 7.71    | 7.85 | 4.8        | 3.14            | 92.9  |
| 753      | 10/21/2011 09:31:19 | 15.02  | 49.40  | 32.33        | 7.69    | 7.85 | 4.3        | 3.09            | 93.0  |
| 754      | 10/21/2011 09:46:19 | 15.13  | 49.33  | 32.27        | 7.70    | 7.86 | 4.2        | 3.04            | 93.3  |
| 755      | 10/21/2011 10:01:19 | 15.19  | 49.29  | 32.25        | 7.76    | 7.86 | 4.8        | 2.97            | 94.2  |
| 756      | 10/21/2011 10:16:19 | 15.24  | 49.34  | 32.28        | 7.89    | 7.87 | 4.5        | 2.91            | 95.9  |
| 757      | 10/21/2011 10:31:19 | 15.35  | 49.30  | 32.26        | 8.10    | 7.88 | 4.7        | 2.84            | 98.6  |
| 758      | 10/21/2011 10:46:19 | 15.44  | 49.30  | 32.26        | 8.20    | 7.89 | 4.6        | 2.77            | 100.0 |
| 759      | 10/21/2011 11:01:19 | 15.54  | 49.25  | 32.23        | 8.23    | 7.89 | 4.5        | 2.71            | 100.6 |
| 760      | 10/21/2011 11:16:19 | 15.66  | 49.22  | 32.20        | 8.20    | 7.89 | 4.3        | 2.65            | 100.3 |
| 761      | 10/21/2011 11:31:19 | 15.81  | 49.14  | 32.15        | 8.25    | 7.89 | 4.6        | 2.59            | 101.3 |
| 762      | 10/21/2011 11:46:19 | 15.92  | 49.11  | 32.13        | 8.28    | 7.90 | 4.7        | 2.53            | 101.8 |
| 763      | 10/21/2011 12:01:19 | 16.05  | 49.06  | 32.10        | 8.47    | 7.91 | 4.3        | 2.49            | 104.4 |
| 764      | 10/21/2011 12:16:19 | 16.12  | 49.04  | 32.08        | 8.46    | 7.91 | 4.4        | 2.43            | 104.4 |
| 765      | 10/21/2011 12:31:19 | 16.26  | 48.98  | 32.04        | 8.60    | 7.92 | 4.5        | 2.38            | 106.4 |
| 766      | 10/21/2011 12:46:19 | 16.36  | 48.95  | 32.02        | 8.65    | 7.92 | 4.4        | 2.36            | 107.2 |
| 767      | 10/21/2011 13:01:19 | 16.45  | 48.92  | 32.00        | 8.71    | 7.93 | 4.2        | 2.32            | 108.1 |
| 768      | 10/21/2011 13:16:19 | 16.51  | 48.88  | 31.97        | 8.68    | 7.92 | 4.0        | 2.29            | 107.8 |
| 769      | 10/21/2011 13:31:19 | 16.50  | 48.84  | 31.95        | 8.58    | 7.92 | 4.0        | 2.27            | 106.7 |
| 770      | 10/21/2011 13:46:19 | 16.45  | 48.83  | 31.94        | 8.54    | 7.92 | 4.0        | 2.27            | 106.1 |
| 771      | 10/21/2011 14:01:19 | 16.60  | 48.86  | 31.96        | 8.56    | 7.92 | 4.0        | 2.27            | 106.6 |
| 772      | 10/21/2011 14:16:19 | 16.49  | 48.89  | 31.98        | 8.59    | 7.92 | 4.0        | 2.28            | 106.7 |
| 773      | 10/21/2011 14:31:19 | 16.38  | 48.89  | 31.98        | 8.43    | 7.91 | 4.0        | 2.30            | 104.5 |
| 774      | 10/21/2011 14:46:19 | 16.31  | 48.85  | 31.95        | 8.24    | 7.89 | 4.0        | 2.33            | 102.0 |
| 775      | 10/21/2011 15:01:19 | 16.24  | 48.82  | 31.92        | 8.13    | 7.89 | 4.3        | 2.37            | 100.5 |
| 776      | 10/21/2011 15:16:19 | 16.18  | 48.84  | 31.94        | 8.06    | 7.88 | 4.3        | 2.41            | 99.5  |
| 777      | 10/21/2011 15:31:19 | 16.09  | 48.94  | 32.01        | 7.96    | 7.88 | 4.1        | 2.47            | 98.2  |
| 778      | 10/21/2011 15:46:19 | 16.16  | 48.92  | 32.00        | 7.95    | 7.88 | 3.8        | 2.53            | 98.2  |
| 779      | 10/21/2011 16:01:19 | 16.11  | 48.94  | 32.01        | 7.91    | 7.87 | 3.8        | 2.57            | 97.6  |
| 780      | 10/21/2011 16:16:19 | 15.99  | 48.97  | 32.03        | 7.92    | 7.87 | 3.6        | 2.63            | 97.4  |
| 781      | 10/21/2011 16:31:19 | 15.87  | 49.04  | 32.08        | 7.85    | 7.87 | 3.8        | 2.67            | 96.4  |
| 782      | 10/21/2011 16:46:19 | 15.70  | 49.11  | 32.13        | 7.81    | 7.86 | 3.7        | 2.74            | 95.6  |
| 783      | 10/21/2011 17:01:19 | 15.62  | 49.18  | 32.18        | 7.82    | 7.86 | 3.7        | 2.79            | 95.6  |
| 784      | 10/21/2011 17:16:19 | 15.52  | 49.25  | 32.23        | 7.81    | 7.86 | 3.7        | 2.84            | 95.4  |
| 785      | 10/21/2011 17:31:19 | 15.32  | 49.37  | 32.31        | 7.82    | 7.86 | 3.6        | 2.89            | 95.1  |
| 786      | 10/21/2011 17:46:19 | 15.11  | 49.47  | 32.38        | 7.81    | 7.86 | 3.7        | 2.94            | 94.7  |
| 787      | 10/21/2011 18:01:19 | 14.99  | 49.55  | 32.43        | 7.80    | 7.85 | 3.4        | 3.00            | 94.4  |
| 788      | 10/21/2011 18:16:19 | 14.90  | 49.61  | 32.47        | 7.81    | 7.85 | 3.5        | 3.04            | 94.3  |
| 789      | 10/21/2011 18:31:19 | 14.84  | 49.59  | 32.46        | 7.80    | 7.85 | 3.3        | 3.10            | 94.0  |
| 790      | 10/21/2011 18:46:19 | 14.78  | 49.67  | 32.51        | 7.80    | 7.85 | 3.1        | 3.13            | 94.0  |
| 791      | 10/21/2011 19:01:19 | 14.72  | 49.71  | 32.54        | 7.79    | 7.85 | 3.1        | 3.17            | 93.8  |
| 792      | 10/21/2011 19:16:19 | 14.66  | 49.74  | 32.56        | 7.78    | 7.85 | 2.9        | 3.21            | 93.5  |
| 793      | 10/21/2011 19:31:19 | 14.63  | 49.76  | 32.58        | 7.68    | 7.85 | 2.7        | 3.21            | 92.3  |
| 794      | 10/21/2011 19:46:19 | 14.66  | 49.74  | 32.57        | 7.58    | 7.85 | 2.6        | 3.23            | 91.1  |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 795      | 10/21/2011 20:01:19 | 14.61  | 49.77  | 32.58        | 7.70    | 7.85 | 2.9        | 3.22            | 92.5  |
| 796      | 10/21/2011 20:16:19 | 14.67  | 49.72  | 32.55        | 7.66    | 7.85 | 3.0        | 3.19            | 92.1  |
| 797      | 10/21/2011 20:31:19 | 14.75  | 49.69  | 32.53        | 7.68    | 7.85 | 3.2        | 3.17            | 92.5  |
| 798      | 10/21/2011 20:46:19 | 14.88  | 49.59  | 32.46        | 7.69    | 7.85 | 4.5        | 3.11            | 92.8  |
| 799      | 10/21/2011 21:01:19 | 15.12  | 49.42  | 32.34        | 7.56    | 7.84 | 8.3        | 3.06            | 91.6  |
| 800      | 10/21/2011 21:16:19 | 15.00  | 49.47  | 32.38        | 7.60    | 7.84 | 7.9        | 2.99            | 91.9  |
| 801      | 10/21/2011 21:31:19 | 14.95  | 49.53  | 32.41        | 7.65    | 7.85 | 7.4        | 2.91            | 92.4  |
| 802      | 10/21/2011 21:46:19 | 14.90  | 49.57  | 32.45        | 7.68    | 7.84 | 6.8        | 2.84            | 92.8  |
| 803      | 10/21/2011 22:01:19 | 14.98  | 49.52  | 32.41        | 7.73    | 7.85 | 6.4        | 2.74            | 93.4  |
| 804      | 10/21/2011 22:16:19 | 15.14  | 49.42  | 32.34        | 7.65    | 7.84 | 6.3        | 2.67            | 92.7  |
| 805      | 10/21/2011 22:31:19 | 15.37  | 49.29  | 32.25        | 7.68    | 7.85 | 6.0        | 2.58            | 93.5  |
| 806      | 10/21/2011 22:46:19 | 15.54  | 49.19  | 32.18        | 7.66    | 7.85 | 6.6        | 2.49            | 93.5  |
| 807      | 10/21/2011 23:01:20 | 15.43  | 49.22  | 32.20        | 7.69    | 7.85 | 6.2        | 2.40            | 93.7  |
| 808      | 10/21/2011 23:16:19 | 15.67  | 49.06  | 32.09        | 7.72    | 7.86 | 6.5        | 2.31            | 94.5  |
| 809      | 10/21/2011 23:31:19 | 15.68  | 49.04  | 32.08        | 7.80    | 7.87 | 7.4        | 2.21            | 95.4  |
| 810      | 10/21/2011 23:46:19 | 15.90  | 48.92  | 32.00        | 7.94    | 7.89 | 7.1        | 2.12            | 97.6  |
| 811      | 10/22/2011 00:01:19 | 15.94  | 48.86  | 31.95        | 7.86    | 7.89 | 7.7        | 2.02            | 96.7  |
| 812      | 10/22/2011 00:16:19 | 15.94  | 48.87  | 31.96        | 7.92    | 7.89 | 6.8        | 1.93            | 97.3  |
| 813      | 10/22/2011 00:31:19 | 15.97  | 48.79  | 31.90        | 7.94    | 7.89 | 7.0        | 1.85            | 97.7  |
| 814      | 10/22/2011 00:46:19 | 16.05  | 48.77  | 31.88        | 8.03    | 7.90 | 6.8        | 1.77            | 98.8  |
| 815      | 10/22/2011 01:01:19 | 16.14  | 48.70  | 31.84        | 8.11    | 7.91 | 6.7        | 1.72            | 100.0 |
| 816      | 10/22/2011 01:16:19 | 16.15  | 48.69  | 31.83        | 8.07    | 7.91 | 6.3        | 1.65            | 99.6  |
| 817      | 10/22/2011 01:31:19 | 16.27  | 48.60  | 31.77        | 8.38    | 7.95 | 7.0        | 1.62            | 103.5 |
| 818      | 10/22/2011 01:46:19 | 16.34  | 48.55  | 31.73        | 8.53    | 7.96 | 6.7        | 1.60            | 105.5 |
| 819      | 10/22/2011 02:01:19 | 16.32  | 48.56  | 31.74        | 8.40    | 7.96 | 6.2        | 1.58            | 103.8 |
| 820      | 10/22/2011 02:16:19 | 16.27  | 48.57  | 31.74        | 8.37    | 7.96 | 6.1        | 1.61            | 103.4 |
| 821      | 10/22/2011 02:31:19 | 16.30  | 48.58  | 31.75        | 8.41    | 7.96 | 19.8       | 1.60            | 103.9 |
| 822      | 10/22/2011 02:46:19 | 16.29  | 48.58  | 31.75        | 8.34    | 7.95 | 5.9        | 1.63            | 103.1 |
| 823      | 10/22/2011 03:01:19 | 16.29  | 48.61  | 31.78        | 8.28    | 7.94 | 5.9        | 1.69            | 102.4 |
| 824      | 10/22/2011 03:16:19 | 16.32  | 48.60  | 31.77        | 8.28    | 7.94 | 5.8        | 1.73            | 102.4 |
| 825      | 10/22/2011 03:31:19 | 16.30  | 48.61  | 31.78        | 8.24    | 7.93 | 6.0        | 1.78            | 101.9 |
| 826      | 10/22/2011 03:46:19 | 16.25  | 48.49  | 31.68        | 8.15    | 7.92 | 6.5        | 1.85            | 100.6 |
| 827      | 10/22/2011 04:01:19 | 16.24  | 48.45  | 31.66        | 8.13    | 7.92 | 6.9        | 1.93            | 100.3 |
| 828      | 10/22/2011 04:16:19 | 16.23  | 48.50  | 31.69        | 8.10    | 7.91 | 7.9        | 1.99            | 100.0 |
| 829      | 10/22/2011 04:31:19 | 16.20  | 48.45  | 31.66        | 8.05    | 7.91 | 7.0        | 2.07            | 99.2  |
| 830      | 10/22/2011 04:46:19 | 16.18  | 48.47  | 31.67        | 8.02    | 7.90 | 7.4        | 2.16            | 98.9  |
| 831      | 10/22/2011 05:01:19 | 16.10  | 48.63  | 31.78        | 7.93    | 7.89 | 7.8        | 2.24            | 97.6  |
| 832      | 10/22/2011 05:16:19 | 15.99  | 48.63  | 31.78        | 7.84    | 7.88 | 7.0        | 2.32            | 96.4  |
| 833      | 10/22/2011 05:31:19 | 15.83  | 48.87  | 31.96        | 7.71    | 7.86 | 6.1        | 2.40            | 94.5  |
| 834      | 10/22/2011 05:46:19 | 15.76  | 48.89  | 31.97        | 7.69    | 7.86 | 6.1        | 2.48            | 94.2  |
| 835      | 10/22/2011 06:01:19 | 15.65  | 48.99  | 32.04        | 7.69    | 7.86 | 5.7        | 2.56            | 94.1  |
| 836      | 10/22/2011 06:16:19 | 15.62  | 49.10  | 32.12        | 7.71    | 7.86 | 5.5        | 2.65            | 94.3  |
| 837      | 10/22/2011 06:31:19 | 15.56  | 49.14  | 32.15        | 7.72    | 7.87 | 5.8        | 2.72            | 94.2  |
| 838      | 10/22/2011 06:46:19 | 15.42  | 49.24  | 32.21        | 7.71    | 7.86 | 5.4        | 2.80            | 93.9  |
| 839      | 10/22/2011 07:01:19 | 15.30  | 49.28  | 32.24        | 7.69    | 7.85 | 5.4        | 2.87            | 93.5  |
| 840      | 10/22/2011 07:16:19 | 15.18  | 49.37  | 32.31        | 7.68    | 7.85 | 5.8        | 2.94            | 93.2  |
| 841      | 10/22/2011 07:31:19 | 14.93  | 49.46  | 32.37        | 7.73    | 7.85 | 8.0        | 3.02            | 93.3  |
| 842      | 10/22/2011 07:46:19 | 14.81  | 49.53  | 32.41        | 7.73    | 7.85 | 6.3        | 3.08            | 93.2  |
| 843      | 10/22/2011 08:01:19 | 14.69  | 49.60  | 32.46        | 7.72    | 7.85 | 5.5        | 3.14            | 92.9  |
| 844      | 10/22/2011 08:16:19 | 14.47  | 49.74  | 32.56        | 7.72    | 7.85 | 5.0        | 3.20            | 92.5  |
| 845      | 10/22/2011 08:31:19 | 14.23  | 49.87  | 32.65        | 7.70    | 7.84 | 4.6        | 3.25            | 91.8  |
| 846      | 10/22/2011 08:46:19 | 14.07  | 49.98  | 32.72        | 7.66    | 7.84 | 3.8        | 3.29            | 91.1  |
| 847      | 10/22/2011 09:01:19 | 13.94  | 50.05  | 32.77        | 7.65    | 7.84 | 3.1        | 3.32            | 90.8  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 848      | 10/22/2011 09:16:19 | 13.92  | 50.06  | 32.77        | 7.54    | 7.84 | 2.9        | 3.33            | 89.5  |
| 849      | 10/22/2011 09:31:19 | 13.95  | 50.07  | 32.78        | 7.57    | 7.83 | 3.9        | 3.31            | 89.8  |
| 850      | 10/22/2011 09:46:19 | 13.92  | 50.06  | 32.78        | 7.58    | 7.84 | 3.8        | 3.29            | 89.9  |
| 851      | 10/22/2011 10:01:19 | 14.05  | 49.99  | 32.73        | 7.57    | 7.84 | 4.0        | 3.25            | 90.1  |
| 852      | 10/22/2011 10:16:20 | 14.59  | 49.66  | 32.51        | 7.59    | 7.84 | 4.9        | 3.18            | 91.1  |
| 853      | 10/22/2011 10:31:19 | 14.64  | 49.61  | 32.47        | 7.60    | 7.84 | 4.8        | 3.12            | 91.3  |
| 854      | 10/22/2011 10:46:19 | 14.82  | 49.52  | 32.41        | 7.65    | 7.85 | 5.2        | 3.04            | 92.2  |
| 855      | 10/22/2011 11:01:19 | 14.95  | 49.45  | 32.36        | 7.80    | 7.86 | 4.8        | 2.95            | 94.2  |
| 856      | 10/22/2011 11:16:19 | 14.97  | 49.47  | 32.37        | 7.90    | 7.86 | 5.2        | 2.86            | 95.4  |
| 857      | 10/22/2011 11:31:19 | 15.15  | 49.31  | 32.26        | 7.75    | 7.86 | 5.0        | 2.78            | 94.0  |
| 858      | 10/22/2011 11:46:19 | 15.29  | 49.28  | 32.24        | 7.79    | 7.86 | 5.2        | 2.70            | 94.7  |
| 859      | 10/22/2011 12:01:19 | 15.48  | 49.10  | 32.12        | 7.70    | 7.86 | 5.1        | 2.62            | 93.9  |
| 860      | 10/22/2011 12:16:20 | 15.55  | 49.09  | 32.11        | 7.74    | 7.87 | 4.8        | 2.55            | 94.5  |
| 861      | 10/22/2011 12:31:19 | 15.67  | 49.02  | 32.06        | 8.03    | 7.88 | 4.5        | 2.45            | 98.2  |
| 862      | 10/22/2011 12:46:19 | 15.78  | 49.10  | 32.12        | 8.33    | 7.90 | 4.5        | 2.38            | 102.1 |
| 863      | 10/22/2011 13:01:19 | 15.87  | 49.03  | 32.07        | 8.29    | 7.90 | 5.0        | 2.30            | 101.8 |
| 864      | 10/22/2011 13:16:19 | 16.00  | 48.97  | 32.03        | 8.45    | 7.91 | 4.8        | 2.22            | 104.0 |
| 865      | 10/22/2011 13:31:19 | 16.10  | 49.03  | 32.07        | 8.63    | 7.93 | 4.6        | 2.15            | 106.5 |
| 866      | 10/22/2011 13:46:19 | 16.20  | 48.94  | 32.01        | 8.61    | 7.93 | 4.6        | 2.09            | 106.4 |
| 867      | 10/22/2011 14:01:19 | 16.27  | 48.90  | 31.98        | 8.62    | 7.93 | 4.6        | 2.03            | 106.7 |
| 868      | 10/22/2011 14:16:19 | 16.33  | 48.91  | 31.99        | 8.67    | 7.94 | 4.5        | 1.99            | 107.4 |
| 869      | 10/22/2011 14:31:19 | 16.40  | 48.86  | 31.96        | 8.66    | 7.94 | 4.5        | 1.96            | 107.4 |
| 870      | 10/22/2011 14:46:19 | 16.41  | 48.83  | 31.94        | 8.63    | 7.94 | 4.6        | 1.95            | 107.0 |
| 871      | 10/22/2011 15:01:19 | 16.54  | 48.92  | 32.00        | 8.79    | 7.95 | 4.2        | 1.95            | 109.3 |
| 872      | 10/22/2011 15:16:19 | 16.42  | 48.86  | 31.95        | 8.58    | 7.94 | 4.3        | 1.96            | 106.4 |
| 873      | 10/22/2011 15:31:19 | 16.29  | 48.83  | 31.93        | 8.42    | 7.92 | 4.6        | 1.99            | 104.2 |
| 874      | 10/22/2011 15:46:19 | 16.22  | 48.79  | 31.91        | 8.28    | 7.91 | 4.6        | 2.04            | 102.2 |
| 875      | 10/22/2011 16:01:19 | 16.22  | 48.80  | 31.91        | 8.23    | 7.91 | 4.3        | 2.08            | 101.7 |
| 876      | 10/22/2011 16:16:19 | 16.16  | 48.82  | 31.92        | 8.16    | 7.90 | 4.5        | 2.15            | 100.8 |
| 877      | 10/22/2011 16:31:19 | 16.08  | 48.83  | 31.93        | 8.08    | 7.90 | 4.5        | 2.21            | 99.5  |
| 878      | 10/22/2011 16:46:19 | 16.12  | 48.83  | 31.93        | 8.07    | 7.89 | 4.3        | 2.27            | 99.6  |
| 879      | 10/22/2011 17:01:19 | 16.05  | 48.83  | 31.93        | 8.02    | 7.89 | 4.2        | 2.35            | 98.7  |
| 880      | 10/22/2011 17:16:19 | 16.01  | 48.90  | 31.98        | 8.02    | 7.89 | 4.2        | 2.41            | 98.8  |
| 881      | 10/22/2011 17:31:19 | 15.97  | 48.93  | 32.00        | 7.99    | 7.88 | 4.2        | 2.48            | 98.3  |
| 882      | 10/22/2011 17:46:19 | 15.76  | 49.01  | 32.06        | 7.83    | 7.87 | 4.2        | 2.55            | 96.0  |
| 883      | 10/22/2011 18:01:19 | 15.70  | 49.03  | 32.07        | 7.83    | 7.87 | 4.2        | 2.61            | 95.8  |
| 884      | 10/22/2011 18:16:19 | 15.59  | 49.16  | 32.17        | 7.83    | 7.86 | 4.5        | 2.68            | 95.7  |
| 885      | 10/22/2011 18:31:19 | 15.43  | 49.25  | 32.22        | 7.79    | 7.86 | 4.0        | 2.75            | 94.9  |
| 886      | 10/22/2011 18:46:19 | 15.33  | 49.28  | 32.25        | 7.76    | 7.86 | 4.3        | 2.81            | 94.4  |
| 887      | 10/22/2011 19:01:19 | 15.21  | 49.37  | 32.30        | 7.73    | 7.86 | 4.1        | 2.87            | 93.9  |
| 888      | 10/22/2011 19:16:19 | 15.12  | 49.43  | 32.35        | 7.70    | 7.85 | 3.8        | 2.94            | 93.4  |
| 889      | 10/22/2011 19:31:19 | 14.99  | 49.50  | 32.40        | 7.74    | 7.85 | 4.2        | 2.99            | 93.6  |
| 890      | 10/22/2011 19:46:19 | 14.83  | 49.58  | 32.45        | 7.72    | 7.85 | 4.2        | 3.04            | 93.1  |
| 891      | 10/22/2011 20:01:19 | 14.76  | 49.63  | 32.49        | 7.73    | 7.85 | 4.0        | 3.10            | 93.1  |
| 892      | 10/22/2011 20:16:19 | 14.62  | 49.72  | 32.55        | 7.73    | 7.85 | 3.7        | 3.14            | 92.9  |
| 893      | 10/22/2011 20:31:19 | 14.55  | 49.74  | 32.56        | 7.71    | 7.85 | 3.7        | 3.18            | 92.6  |
| 894      | 10/22/2011 20:46:19 | 14.50  | 49.78  | 32.59        | 7.67    | 7.85 | 3.3        | 3.20            | 92.0  |
| 895      | 10/22/2011 21:01:19 | 14.53  | 49.76  | 32.57        | 7.54    | 7.84 | 3.5        | 3.22            | 90.4  |
| 896      | 10/22/2011 21:16:19 | 14.56  | 49.75  | 32.57        | 7.59    | 7.84 | 3.2        | 3.22            | 91.1  |
| 897      | 10/22/2011 21:31:19 | 14.48  | 49.80  | 32.60        | 7.63    | 7.84 | 3.2        | 3.20            | 91.5  |
| 898      | 10/22/2011 21:46:19 | 14.52  | 49.75  | 32.56        | 7.65    | 7.84 | 4.0        | 3.15            | 91.8  |
| 899      | 10/22/2011 22:01:19 | 14.71  | 49.66  | 32.51        | 7.55    | 7.84 | 4.7        | 3.10            | 90.9  |
| 900      | 10/22/2011 22:16:19 | 15.08  | 49.38  | 32.31        | 7.38    | 7.83 | 6.3        | 3.05            | 89.4  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%  |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |      |
| 901      | 10/22/2011 22:31:19 | 15.01  | 49.45  | 32.36        | 7.50    | 7.84 | 9.1        | 2.95   | 90.7 |
| 902      | 10/22/2011 22:46:19 | 14.80  | 49.58  | 32.45        | 7.49    | 7.83 | 4.9        | 2.87   | 90.2 |
| 903      | 10/22/2011 23:01:19 | 14.82  | 49.52  | 32.41        | 7.47    | 7.83 | 4.6        | 2.79   | 90.0 |
| 904      | 10/22/2011 23:16:19 | 14.95  | 49.49  | 32.39        | 7.49    | 7.83 | 5.0        | 2.69   | 90.5 |
| 905      | 10/22/2011 23:31:19 | 14.99  | 49.43  | 32.34        | 7.45    | 7.83 | 5.5        | 2.61   | 90.1 |
| 906      | 10/22/2011 23:46:19 | 15.13  | 49.34  | 32.29        | 7.38    | 7.83 | 5.7        | 2.52   | 89.4 |
| 907      | 10/23/2011 00:01:19 | 15.22  | 49.28  | 32.24        | 7.37    | 7.83 | 6.0        | 2.42   | 89.4 |
| 908      | 10/23/2011 00:16:19 | 15.30  | 49.23  | 32.21        | 7.42    | 7.84 | 6.0        | 2.32   | 90.2 |
| 909      | 10/23/2011 00:31:19 | 15.37  | 49.18  | 32.17        | 7.47    | 7.84 | 6.7        | 2.22   | 90.9 |
| 910      | 10/23/2011 00:46:20 | 15.45  | 49.14  | 32.15        | 7.53    | 7.85 | 6.8        | 2.12   | 91.8 |
| 911      | 10/23/2011 01:01:19 | 15.60  | 49.05  | 32.09        | 7.58    | 7.87 | 6.7        | 2.03   | 92.6 |
| 912      | 10/23/2011 01:16:19 | 15.67  | 49.02  | 32.06        | 7.66    | 7.87 | 6.4        | 1.93   | 93.7 |
| 913      | 10/23/2011 01:31:19 | 15.70  | 49.00  | 32.05        | 7.69    | 7.88 | 6.2        | 1.85   | 94.2 |
| 914      | 10/23/2011 01:46:19 | 15.77  | 48.95  | 32.01        | 7.71    | 7.88 | 6.1        | 1.76   | 94.5 |
| 915      | 10/23/2011 02:01:19 | 15.88  | 48.87  | 31.96        | 7.79    | 7.89 | 6.0        | 1.69   | 95.6 |
| 916      | 10/23/2011 02:16:19 | 15.96  | 48.82  | 31.92        | 7.81    | 7.90 | 5.7        | 1.63   | 96.0 |
| 917      | 10/23/2011 02:31:19 | 16.14  | 48.72  | 31.85        | 7.94    | 7.93 | 6.0        | 1.60   | 97.9 |
| 918      | 10/23/2011 02:46:19 | 16.19  | 48.69  | 31.83        | 8.00    | 7.94 | 5.7        | 1.56   | 98.7 |
| 919      | 10/23/2011 03:01:19 | 16.21  | 48.67  | 31.82        | 8.08    | 7.95 | 5.7        | 1.55   | 99.7 |
| 920      | 10/23/2011 03:16:19 | 16.20  | 48.67  | 31.81        | 7.96    | 7.94 | 5.4        | 1.58   | 98.3 |
| 921      | 10/23/2011 03:31:19 | 16.17  | 48.68  | 31.82        | 7.98    | 7.94 | 5.4        | 1.59   | 98.4 |
| 922      | 10/23/2011 03:46:19 | 16.12  | 48.70  | 31.84        | 7.95    | 7.93 | 5.2        | 1.63   | 98.0 |
| 923      | 10/23/2011 04:01:19 | 16.12  | 48.71  | 31.84        | 7.92    | 7.93 | 5.3        | 1.70   | 97.6 |
| 924      | 10/23/2011 04:16:19 | 16.08  | 48.71  | 31.84        | 7.86    | 7.92 | 5.5        | 1.76   | 96.8 |
| 925      | 10/23/2011 04:31:19 | 15.99  | 48.53  | 31.71        | 7.71    | 7.89 | 6.1        | 1.84   | 94.8 |
| 926      | 10/23/2011 04:46:19 | 15.94  | 48.40  | 31.61        | 7.66    | 7.88 | 6.2        | 1.92   | 93.9 |
| 927      | 10/23/2011 05:01:19 | 15.92  | 48.37  | 31.59        | 7.63    | 7.88 | 6.4        | 2.00   | 93.6 |
| 928      | 10/23/2011 05:16:19 | 15.88  | 48.42  | 31.63        | 7.61    | 7.87 | 6.7        | 2.08   | 93.3 |
| 929      | 10/23/2011 05:31:19 | 15.83  | 48.67  | 31.81        | 7.61    | 7.87 | 5.9        | 2.17   | 93.3 |
| 930      | 10/23/2011 05:46:19 | 15.73  | 48.81  | 31.91        | 7.53    | 7.86 | 6.6        | 2.25   | 92.2 |
| 931      | 10/23/2011 06:01:19 | 15.63  | 48.88  | 31.96        | 7.46    | 7.85 | 6.4        | 2.33   | 91.2 |
| 932      | 10/23/2011 06:16:19 | 15.52  | 49.02  | 32.06        | 7.50    | 7.85 | 5.9        | 2.43   | 91.5 |
| 933      | 10/23/2011 06:31:19 | 15.45  | 49.09  | 32.11        | 7.51    | 7.85 | 5.8        | 2.53   | 91.5 |
| 934      | 10/23/2011 06:46:19 | 15.38  | 49.16  | 32.15        | 7.52    | 7.85 | 6.2        | 2.61   | 91.5 |
| 935      | 10/23/2011 07:01:19 | 15.28  | 49.22  | 32.20        | 7.52    | 7.85 | 6.5        | 2.70   | 91.3 |
| 936      | 10/23/2011 07:16:19 | 15.15  | 49.32  | 32.27        | 7.50    | 7.84 | 7.0        | 2.78   | 90.9 |
| 937      | 10/23/2011 07:31:19 | 15.01  | 49.41  | 32.33        | 7.50    | 7.84 | 7.8        | 2.88   | 90.7 |
| 938      | 10/23/2011 07:46:19 | 14.85  | 49.49  | 32.39        | 7.49    | 7.83 | 9.3        | 2.96   | 90.3 |
| 939      | 10/23/2011 08:01:19 | 14.58  | 49.62  | 32.47        | 7.52    | 7.83 | 9.8        | 3.04   | 90.2 |
| 940      | 10/23/2011 08:16:19 | 14.35  | 49.74  | 32.55        | 7.53    | 7.83 | 9.0        | 3.13   | 90.0 |
| 941      | 10/23/2011 08:31:19 | 14.11  | 49.89  | 32.66        | 7.53    | 7.83 | 8.5        | 3.21   | 89.6 |
| 942      | 10/23/2011 08:46:19 | 13.81  | 50.07  | 32.78        | 7.53    | 7.82 | 8.4        | 3.29   | 89.1 |
| 943      | 10/23/2011 09:01:19 | 13.55  | 50.21  | 32.87        | 7.51    | 7.82 | 7.1        | 3.36   | 88.5 |
| 944      | 10/23/2011 09:16:19 | 13.42  | 50.30  | 32.93        | 7.49    | 7.82 | 6.2        | 3.41   | 88.1 |
| 945      | 10/23/2011 09:31:19 | 13.33  | 50.36  | 32.98        | 7.48    | 7.82 | 5.3        | 3.47   | 87.8 |
| 946      | 10/23/2011 09:46:20 | 13.28  | 50.39  | 33.00        | 7.47    | 7.82 | 4.5        | 3.49   | 87.5 |
| 947      | 10/23/2011 10:01:19 | 13.46  | 50.22  | 32.88        | 7.43    | 7.82 | 4.5        | 3.50   | 87.3 |
| 948      | 10/23/2011 10:16:19 | 13.31  | 50.38  | 32.99        | 7.40    | 7.81 | 4.3        | 3.50   | 86.9 |
| 949      | 10/23/2011 10:31:19 | 13.28  | 50.36  | 32.97        | 7.42    | 7.81 | 4.2        | 3.47   | 87.0 |
| 950      | 10/23/2011 10:46:19 | 13.53  | 50.23  | 32.88        | 7.36    | 7.82 | 4.9        | 3.40   | 86.6 |
| 951      | 10/23/2011 11:01:19 | 14.21  | 49.90  | 32.67        | 7.61    | 7.83 | 7.3        | 3.32   | 90.8 |
| 952      | 10/23/2011 11:16:19 | 14.09  | 50.01  | 32.75        | 7.79    | 7.84 | 6.5        | 3.24   | 92.7 |
| 953      | 10/23/2011 11:31:19 | 14.02  | 50.06  | 32.78        | 7.80    | 7.84 | 5.2        | 3.14   | 92.7 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 954      | 10/23/2011 11:46:19 | 14.55  | 49.73  | 32.55        | 7.76    | 7.85 | 5.4        | 3.04            | 93.1  |
| 955      | 10/23/2011 12:01:19 | 14.78  | 49.56  | 32.44        | 7.62    | 7.84 | 6.8        | 2.93            | 91.8  |
| 956      | 10/23/2011 12:16:19 | 14.98  | 49.45  | 32.36        | 7.63    | 7.85 | 7.0        | 2.83            | 92.2  |
| 957      | 10/23/2011 12:31:19 | 15.09  | 49.40  | 32.33        | 7.60    | 7.85 | 7.2        | 2.73            | 92.1  |
| 958      | 10/23/2011 12:46:19 | 15.26  | 49.35  | 32.29        | 7.77    | 7.86 | 6.2        | 2.63            | 94.4  |
| 959      | 10/23/2011 13:01:19 | 15.28  | 49.46  | 32.37        | 8.02    | 7.88 | 5.1        | 2.52            | 97.6  |
| 960      | 10/23/2011 13:16:19 | 15.36  | 49.41  | 32.34        | 8.19    | 7.89 | 6.8        | 2.41            | 99.7  |
| 961      | 10/23/2011 13:31:19 | 15.51  | 49.37  | 32.32        | 8.29    | 7.90 | 7.0        | 2.31            | 101.3 |
| 962      | 10/23/2011 13:46:19 | 15.68  | 49.38  | 32.33        | 8.46    | 7.91 | 5.4        | 2.20            | 103.6 |
| 963      | 10/23/2011 14:01:19 | 15.89  | 49.23  | 32.22        | 8.54    | 7.92 | 5.6        | 2.10            | 105.0 |
| 964      | 10/23/2011 14:16:19 | 16.04  | 49.22  | 32.22        | 8.78    | 7.93 | 5.2        | 2.00            | 108.3 |
| 965      | 10/23/2011 14:31:19 | 16.27  | 49.20  | 32.21        | 8.93    | 7.95 | 5.3        | 1.90            | 110.7 |
| 966      | 10/23/2011 14:46:19 | 16.38  | 49.12  | 32.15        | 8.87    | 7.95 | 5.1        | 1.83            | 110.1 |
| 967      | 10/23/2011 15:01:19 | 16.45  | 49.06  | 32.10        | 8.86    | 7.95 | 5.2        | 1.74            | 110.1 |
| 968      | 10/23/2011 15:16:19 | 16.59  | 49.03  | 32.09        | 8.77    | 7.95 | 5.2        | 1.69            | 109.3 |
| 969      | 10/23/2011 15:31:19 | 16.54  | 48.93  | 32.01        | 8.66    | 7.95 | 5.0        | 1.66            | 107.7 |
| 970      | 10/23/2011 15:46:19 | 16.70  | 48.90  | 31.99        | 8.81    | 7.97 | 4.8        | 1.64            | 109.9 |
| 971      | 10/23/2011 16:01:19 | 16.79  | 48.86  | 31.96        | 8.76    | 7.97 | 4.5        | 1.64            | 109.5 |
| 972      | 10/23/2011 16:16:19 | 16.63  | 48.80  | 31.92        | 8.74    | 7.96 | 4.6        | 1.69            | 108.8 |
| 973      | 10/23/2011 16:31:19 | 16.54  | 48.84  | 31.94        | 8.61    | 7.95 | 4.6        | 1.72            | 107.1 |
| 974      | 10/23/2011 16:46:19 | 16.51  | 48.79  | 31.91        | 8.55    | 7.95 | 4.5        | 1.79            | 106.3 |
| 975      | 10/23/2011 17:01:19 | 16.45  | 48.76  | 31.88        | 8.49    | 7.94 | 5.1        | 1.86            | 105.4 |
| 976      | 10/23/2011 17:16:19 | 16.39  | 48.77  | 31.89        | 8.39    | 7.93 | 5.4        | 1.95            | 104.0 |
| 977      | 10/23/2011 17:31:19 | 16.36  | 48.68  | 31.83        | 8.28    | 7.92 | 5.8        | 2.03            | 102.5 |
| 978      | 10/23/2011 17:46:19 | 16.29  | 48.75  | 31.87        | 8.23    | 7.91 | 5.6        | 2.12            | 101.8 |
| 979      | 10/23/2011 18:01:19 | 16.20  | 48.87  | 31.96        | 8.20    | 7.91 | 5.3        | 2.20            | 101.3 |
| 980      | 10/23/2011 18:16:19 | 16.08  | 48.92  | 31.99        | 8.11    | 7.90 | 5.7        | 2.29            | 100.0 |
| 981      | 10/23/2011 18:31:19 | 15.99  | 48.96  | 32.02        | 8.04    | 7.89 | 5.4        | 2.37            | 99.0  |
| 982      | 10/23/2011 18:46:19 | 15.79  | 49.06  | 32.09        | 7.93    | 7.88 | 5.4        | 2.45            | 97.2  |
| 983      | 10/23/2011 19:01:19 | 15.60  | 49.18  | 32.18        | 7.79    | 7.87 | 5.1        | 2.54            | 95.2  |
| 984      | 10/23/2011 19:16:20 | 15.50  | 49.23  | 32.21        | 7.71    | 7.86 | 5.2        | 2.62            | 94.1  |
| 985      | 10/23/2011 19:31:20 | 15.39  | 49.30  | 32.26        | 7.68    | 7.86 | 5.3        | 2.68            | 93.5  |
| 986      | 10/23/2011 19:46:19 | 15.33  | 49.31  | 32.27        | 7.66    | 7.85 | 5.6        | 2.76            | 93.2  |
| 987      | 10/23/2011 20:01:19 | 15.15  | 49.43  | 32.35        | 7.66    | 7.85 | 5.6        | 2.84            | 93.0  |
| 988      | 10/23/2011 20:16:19 | 15.01  | 49.51  | 32.41        | 7.66    | 7.85 | 6.2        | 2.91            | 92.6  |
| 989      | 10/23/2011 20:31:19 | 14.86  | 49.59  | 32.46        | 7.65    | 7.84 | 21.3       | 2.99            | 92.3  |
| 990      | 10/23/2011 20:46:20 | 14.63  | 49.70  | 32.54        | 7.64    | 7.84 | 6.9        | 3.07            | 91.9  |
| 991      | 10/23/2011 21:01:19 | 14.41  | 49.83  | 32.63        | 7.64    | 7.83 | 6.5        | 3.13            | 91.4  |
| 992      | 10/23/2011 21:16:19 | 14.33  | 49.88  | 32.66        | 7.64    | 7.83 | 5.6        | 3.19            | 91.3  |
| 993      | 10/23/2011 21:31:20 | 14.21  | 49.94  | 32.70        | 7.60    | 7.83 | 5.2        | 3.24            | 90.6  |
| 994      | 10/23/2011 21:46:20 | 13.82  | 50.15  | 32.84        | 7.60    | 7.83 | 5.2        | 3.30            | 90.0  |
| 995      | 10/23/2011 22:01:19 | 13.63  | 50.24  | 32.89        | 7.57    | 7.82 | 4.4        | 3.32            | 89.3  |
| 996      | 10/23/2011 22:16:19 | 13.60  | 50.25  | 32.90        | 7.49    | 7.82 | 3.6        | 3.34            | 88.3  |
| 997      | 10/23/2011 22:31:19 | 13.63  | 50.23  | 32.89        | 7.44    | 7.81 | 3.5        | 3.33            | 87.8  |
| 998      | 10/23/2011 22:46:19 | 13.64  | 50.23  | 32.89        | 7.50    | 7.81 | 4.6        | 3.30            | 88.5  |
| 999      | 10/23/2011 23:01:19 | 13.76  | 50.16  | 32.84        | 7.49    | 7.82 | 4.9        | 3.25            | 88.6  |
| 1000     | 10/23/2011 23:16:19 | 14.31  | 49.88  | 32.66        | 7.47    | 7.83 | 6.2        | 3.17            | 89.3  |
| 1001     | 10/23/2011 23:31:19 | 14.65  | 49.70  | 32.53        | 7.38    | 7.82 | 6.5        | 3.09            | 88.8  |
| 1002     | 10/23/2011 23:46:19 | 14.42  | 49.83  | 32.62        | 7.39    | 7.82 | 5.5        | 3.00            | 88.4  |
| 1003     | 10/24/2011 00:01:19 | 14.59  | 49.71  | 32.54        | 7.44    | 7.82 | 6.5        | 2.89            | 89.4  |
| 1004     | 10/24/2011 00:16:19 | 14.62  | 49.69  | 32.52        | 7.49    | 7.83 | 7.0        | 2.81            | 90.0  |
| 1005     | 10/24/2011 00:31:19 | 15.12  | 49.41  | 32.34        | 7.50    | 7.85 | 7.3        | 2.70            | 90.9  |
| 1006     | 10/24/2011 00:46:19 | 15.25  | 49.32  | 32.27        | 7.45    | 7.84 | 7.9        | 2.60            | 90.5  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1007     | 10/24/2011 01:01:19 | 15.29  | 49.29  | 32.25        | 7.40    | 7.84 | 7.4        | 2.51            | 90.0  |
| 1008     | 10/24/2011 01:16:19 | 15.09  | 49.40  | 32.32        | 7.38    | 7.83 | 6.1        | 2.41            | 89.4  |
| 1009     | 10/24/2011 01:31:19 | 15.19  | 49.30  | 32.26        | 7.46    | 7.84 | 6.5        | 2.30            | 90.6  |
| 1010     | 10/24/2011 01:46:19 | 15.31  | 49.25  | 32.22        | 7.44    | 7.85 | 7.2        | 2.20            | 90.5  |
| 1011     | 10/24/2011 02:01:19 | 15.23  | 49.27  | 32.23        | 7.51    | 7.85 | 6.8        | 2.10            | 91.2  |
| 1012     | 10/24/2011 02:16:19 | 15.22  | 49.27  | 32.23        | 7.48    | 7.85 | 6.3        | 1.99            | 90.8  |
| 1013     | 10/24/2011 02:31:19 | 15.38  | 49.19  | 32.18        | 7.58    | 7.86 | 6.3        | 1.90            | 92.3  |
| 1014     | 10/24/2011 02:46:20 | 15.49  | 49.12  | 32.13        | 7.65    | 7.88 | 6.2        | 1.82            | 93.3  |
| 1015     | 10/24/2011 03:01:19 | 15.59  | 49.07  | 32.10        | 7.69    | 7.88 | 5.6        | 1.76            | 94.0  |
| 1016     | 10/24/2011 03:16:19 | 15.74  | 48.98  | 32.03        | 7.77    | 7.90 | 5.4        | 1.69            | 95.2  |
| 1017     | 10/24/2011 03:31:19 | 15.93  | 48.89  | 31.97        | 7.84    | 7.92 | 5.0        | 1.65            | 96.4  |
| 1018     | 10/24/2011 03:46:19 | 16.02  | 48.84  | 31.94        | 7.88    | 7.93 | 4.9        | 1.62            | 97.0  |
| 1019     | 10/24/2011 04:01:19 | 16.05  | 48.82  | 31.92        | 7.88    | 7.93 | 4.8        | 1.62            | 97.0  |
| 1020     | 10/24/2011 04:16:19 | 15.97  | 48.85  | 31.94        | 7.84    | 7.93 | 4.6        | 1.65            | 96.4  |
| 1021     | 10/24/2011 04:31:19 | 16.00  | 48.82  | 31.92        | 7.87    | 7.93 | 4.6        | 1.69            | 96.8  |
| 1022     | 10/24/2011 04:46:19 | 15.95  | 48.82  | 31.92        | 7.80    | 7.92 | 5.0        | 1.73            | 95.9  |
| 1023     | 10/24/2011 05:01:19 | 15.92  | 48.83  | 31.93        | 7.78    | 7.91 | 5.1        | 1.82            | 95.6  |
| 1024     | 10/24/2011 05:16:19 | 15.87  | 48.81  | 31.91        | 7.71    | 7.90 | 5.8        | 1.90            | 94.6  |
| 1025     | 10/24/2011 05:31:19 | 15.78  | 48.52  | 31.70        | 7.59    | 7.89 | 6.5        | 1.99            | 92.8  |
| 1026     | 10/24/2011 05:46:19 | 15.71  | 48.55  | 31.72        | 7.58    | 7.88 | 6.5        | 2.08            | 92.6  |
| 1027     | 10/24/2011 06:01:19 | 15.74  | 48.80  | 31.90        | 7.59    | 7.88 | 6.5        | 2.18            | 92.9  |
| 1028     | 10/24/2011 06:16:19 | 15.64  | 48.94  | 32.00        | 7.55    | 7.87 | 6.4        | 2.28            | 92.3  |
| 1029     | 10/24/2011 06:31:19 | 15.52  | 49.03  | 32.07        | 7.49    | 7.86 | 6.5        | 2.38            | 91.3  |
| 1030     | 10/24/2011 06:46:20 | 15.33  | 49.18  | 32.17        | 7.49    | 7.85 | 6.7        | 2.47            | 91.0  |
| 1031     | 10/24/2011 07:01:19 | 15.22  | 49.26  | 32.23        | 7.48    | 7.85 | 6.5        | 2.57            | 90.8  |
| 1032     | 10/24/2011 07:16:19 | 15.12  | 49.31  | 32.26        | 7.48    | 7.84 | 7.3        | 2.67            | 90.7  |
| 1033     | 10/24/2011 07:31:19 | 15.01  | 49.40  | 32.33        | 7.50    | 7.84 | 7.9        | 2.77            | 90.7  |
| 1034     | 10/24/2011 07:46:19 | 14.84  | 49.51  | 32.40        | 7.48    | 7.84 | 8.9        | 2.86            | 90.2  |
| 1035     | 10/24/2011 08:01:19 | 14.69  | 49.59  | 32.45        | 7.45    | 7.83 | 9.9        | 2.95            | 89.6  |
| 1036     | 10/24/2011 08:16:19 | 14.33  | 49.76  | 32.57        | 7.47    | 7.82 | 12.5       | 3.04            | 89.3  |
| 1037     | 10/24/2011 08:31:19 | 14.05  | 49.92  | 32.68        | 7.49    | 7.82 | 13.4       | 3.13            | 89.0  |
| 1038     | 10/24/2011 08:46:19 | 13.73  | 50.07  | 32.78        | 7.56    | 7.81 | 13.0       | 3.23            | 89.3  |
| 1039     | 10/24/2011 09:01:19 | 13.27  | 50.31  | 32.93        | 7.68    | 7.81 | 14.0       | 3.32            | 90.0  |
| 1040     | 10/24/2011 09:16:19 | 12.96  | 50.44  | 33.02        | 7.69    | 7.80 | 12.3       | 3.42            | 89.5  |
| 1041     | 10/24/2011 09:31:19 | 12.75  | 50.55  | 33.09        | 7.64    | 7.80 | 11.4       | 3.51            | 88.7  |
| 1042     | 10/24/2011 09:46:19 | 12.58  | 50.63  | 33.14        | 7.64    | 7.80 | 11.6       | 3.58            | 88.4  |
| 1043     | 10/24/2011 10:01:19 | 12.42  | 50.69  | 33.18        | 7.67    | 7.80 | 8.6        | 3.65            | 88.4  |
| 1044     | 10/24/2011 10:16:19 | 12.39  | 50.71  | 33.19        | 7.68    | 7.80 | 7.2        | 3.69            | 88.5  |
| 1045     | 10/24/2011 10:31:19 | 12.31  | 50.69  | 33.18        | 7.71    | 7.80 | 5.2        | 3.71            | 88.7  |
| 1046     | 10/24/2011 10:46:19 | 12.48  | 50.64  | 33.14        | 7.64    | 7.79 | 7.1        | 3.72            | 88.2  |
| 1047     | 10/24/2011 11:01:19 | 12.31  | 50.70  | 33.18        | 7.72    | 7.79 | 6.7        | 3.69            | 88.8  |
| 1048     | 10/24/2011 11:16:19 | 12.37  | 50.70  | 33.19        | 7.66    | 7.79 | 8.0        | 3.64            | 88.2  |
| 1049     | 10/24/2011 11:31:19 | 13.50  | 50.31  | 32.94        | 7.81    | 7.82 | 7.1        | 3.56            | 92.0  |
| 1050     | 10/24/2011 11:46:20 | 13.49  | 50.33  | 32.96        | 7.94    | 7.83 | 6.8        | 3.46            | 93.5  |
| 1051     | 10/24/2011 12:01:20 | 13.32  | 50.41  | 33.01        | 7.92    | 7.83 | 7.6        | 3.35            | 93.0  |
| 1052     | 10/24/2011 12:16:19 | 13.74  | 50.16  | 32.84        | 7.88    | 7.83 | 7.4        | 3.25            | 93.2  |
| 1053     | 10/24/2011 12:31:19 | 13.94  | 50.02  | 32.75        | 7.80    | 7.83 | 8.5        | 3.13            | 92.6  |
| 1054     | 10/24/2011 12:46:19 | 14.15  | 49.93  | 32.69        | 7.78    | 7.84 | 8.7        | 3.00            | 92.7  |
| 1055     | 10/24/2011 13:01:19 | 14.29  | 49.89  | 32.66        | 7.80    | 7.84 | 9.0        | 2.88            | 93.1  |
| 1056     | 10/24/2011 13:16:19 | 14.49  | 49.85  | 32.64        | 8.09    | 7.86 | 8.1        | 2.76            | 97.0  |
| 1057     | 10/24/2011 13:31:19 | 14.49  | 49.89  | 32.67        | 8.27    | 7.86 | 7.7        | 2.65            | 99.1  |
| 1058     | 10/24/2011 13:46:19 | 14.39  | 50.02  | 32.76        | 8.42    | 7.88 | 7.9        | 2.52            | 100.8 |
| 1059     | 10/24/2011 14:01:19 | 14.61  | 49.98  | 32.74        | 8.58    | 7.89 | 8.6        | 2.38            | 103.2 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1060     | 10/24/2011 14:16:19 | 14.94  | 49.79  | 32.61        | 8.80    | 7.91 | 9.6        | 2.26            | 106.5 |
| 1061     | 10/24/2011 14:31:19 | 15.29  | 49.61  | 32.48        | 8.88    | 7.93 | 11.3       | 2.13            | 108.0 |
| 1062     | 10/24/2011 14:46:19 | 15.47  | 49.51  | 32.42        | 8.86    | 7.94 | 12.1       | 2.01            | 108.2 |
| 1063     | 10/24/2011 15:01:19 | 15.60  | 49.47  | 32.39        | 8.90    | 7.95 | 12.3       | 1.87            | 108.9 |
| 1064     | 10/24/2011 15:16:19 | 15.71  | 49.44  | 32.37        | 8.73    | 7.95 | 12.6       | 1.75            | 107.1 |
| 1065     | 10/24/2011 15:31:19 | 15.81  | 49.29  | 32.26        | 8.56    | 7.94 | 13.1       | 1.65            | 105.1 |
| 1066     | 10/24/2011 15:46:19 | 15.85  | 49.27  | 32.25        | 8.40    | 7.93 | 11.8       | 1.55            | 103.2 |
| 1067     | 10/24/2011 16:01:19 | 15.87  | 49.19  | 32.19        | 8.38    | 7.93 | 11.0       | 1.47            | 103.0 |
| 1068     | 10/24/2011 16:16:19 | 15.89  | 49.15  | 32.16        | 8.30    | 7.92 | 10.3       | 1.41            | 102.0 |
| 1069     | 10/24/2011 16:31:19 | 15.96  | 49.06  | 32.10        | 8.30    | 7.92 | 10.3       | 1.38            | 102.1 |
| 1070     | 10/24/2011 16:46:19 | 15.95  | 49.12  | 32.14        | 8.18    | 7.93 | 8.6        | 1.38            | 100.7 |
| 1071     | 10/24/2011 17:01:19 | 16.08  | 49.01  | 32.06        | 8.34    | 7.94 | 9.3        | 1.39            | 102.9 |
| 1072     | 10/24/2011 17:16:19 | 16.09  | 48.97  | 32.03        | 8.34    | 7.94 | 8.9        | 1.42            | 102.9 |
| 1073     | 10/24/2011 17:31:19 | 16.15  | 48.87  | 31.96        | 8.38    | 7.95 | 10.3       | 1.53            | 103.5 |
| 1074     | 10/24/2011 17:46:19 | 16.14  | 48.82  | 31.93        | 8.39    | 7.95 | 11.2       | 1.59            | 103.5 |
| 1075     | 10/24/2011 18:01:19 | 16.08  | 48.93  | 32.00        | 8.33    | 7.94 | 10.0       | 1.68            | 102.7 |
| 1076     | 10/24/2011 18:16:19 | 15.99  | 48.77  | 31.88        | 8.28    | 7.93 | 10.6       | 1.80            | 101.9 |
| 1077     | 10/24/2011 18:31:19 | 16.02  | 48.74  | 31.87        | 8.28    | 7.93 | 12.1       | 1.90            | 101.9 |
| 1078     | 10/24/2011 18:46:19 | 15.92  | 48.93  | 32.00        | 8.24    | 7.92 | 9.9        | 1.99            | 101.3 |
| 1079     | 10/24/2011 19:01:19 | 15.83  | 48.95  | 32.01        | 8.21    | 7.92 | 8.8        | 2.08            | 100.8 |
| 1080     | 10/24/2011 19:16:19 | 15.75  | 49.02  | 32.06        | 8.18    | 7.91 | 8.4        | 2.19            | 100.2 |
| 1081     | 10/24/2011 19:31:19 | 15.60  | 49.11  | 32.13        | 8.07    | 7.89 | 9.3        | 2.28            | 98.6  |
| 1082     | 10/24/2011 19:46:19 | 15.47  | 49.20  | 32.19        | 7.96    | 7.88 | 8.4        | 2.38            | 97.1  |
| 1083     | 10/24/2011 20:01:19 | 15.39  | 49.23  | 32.21        | 7.92    | 7.88 | 8.4        | 2.48            | 96.4  |
| 1084     | 10/24/2011 20:16:19 | 15.26  | 49.32  | 32.27        | 7.87    | 7.87 | 7.9        | 2.57            | 95.6  |
| 1085     | 10/24/2011 20:31:19 | 15.12  | 49.41  | 32.34        | 7.84    | 7.86 | 8.8        | 2.67            | 95.1  |
| 1086     | 10/24/2011 20:46:19 | 14.92  | 49.49  | 32.39        | 7.84    | 7.85 | 9.9        | 2.76            | 94.7  |
| 1087     | 10/24/2011 21:01:19 | 14.81  | 49.56  | 32.44        | 7.81    | 7.85 | 10.3       | 2.85            | 94.1  |
| 1088     | 10/24/2011 21:16:19 | 14.57  | 49.64  | 32.48        | 7.81    | 7.84 | 13.1       | 2.94            | 93.7  |
| 1089     | 10/24/2011 21:31:19 | 14.29  | 49.76  | 32.57        | 7.83    | 7.83 | 12.0       | 3.02            | 93.5  |
| 1090     | 10/24/2011 21:46:19 | 14.02  | 49.96  | 32.71        | 7.91    | 7.83 | 13.4       | 3.10            | 94.0  |
| 1091     | 10/24/2011 22:01:19 | 13.55  | 50.20  | 32.87        | 8.09    | 7.83 | 12.4       | 3.17            | 95.3  |
| 1092     | 10/24/2011 22:16:19 | 13.21  | 50.35  | 32.96        | 8.18    | 7.83 | 9.1        | 3.24            | 95.7  |
| 1093     | 10/24/2011 22:31:19 | 13.00  | 50.48  | 33.05        | 8.23    | 7.82 | 6.7        | 3.31            | 96.0  |
| 1094     | 10/24/2011 22:46:19 | 12.93  | 50.49  | 33.06        | 8.21    | 7.82 | 6.7        | 3.37            | 95.6  |
| 1095     | 10/24/2011 23:01:20 | 12.92  | 50.51  | 33.07        | 8.21    | 7.83 | 5.9        | 3.38            | 95.6  |
| 1096     | 10/24/2011 23:16:19 | 12.94  | 50.44  | 33.02        | 8.07    | 7.82 | 4.3        | 3.40            | 94.0  |
| 1097     | 10/24/2011 23:31:20 | 12.95  | 50.50  | 33.06        | 8.13    | 7.82 | 5.6        | 3.40            | 94.7  |
| 1098     | 10/24/2011 23:46:20 | 12.85  | 50.53  | 33.08        | 8.18    | 7.82 | 5.5        | 3.37            | 95.1  |
| 1099     | 10/25/2011 00:01:19 | 12.93  | 50.51  | 33.07        | 8.16    | 7.82 | 7.2        | 3.32            | 95.0  |
| 1100     | 10/25/2011 00:16:19 | 13.68  | 50.06  | 32.77        | 7.87    | 7.83 | 8.6        | 3.24            | 92.9  |
| 1101     | 10/25/2011 00:31:19 | 13.83  | 49.96  | 32.70        | 7.76    | 7.83 | 10.3       | 3.14            | 91.8  |
| 1102     | 10/25/2011 00:46:19 | 13.60  | 50.11  | 32.80        | 7.82    | 7.82 | 7.4        | 3.05            | 92.1  |
| 1103     | 10/25/2011 01:01:19 | 13.87  | 49.94  | 32.69        | 7.74    | 7.82 | 7.1        | 2.95            | 91.7  |
| 1104     | 10/25/2011 01:16:19 | 14.29  | 49.69  | 32.51        | 7.60    | 7.83 | 8.9        | 2.84            | 90.7  |
| 1105     | 10/25/2011 01:31:19 | 14.52  | 49.53  | 32.41        | 7.52    | 7.84 | 8.6        | 2.75            | 90.1  |
| 1106     | 10/25/2011 01:46:19 | 14.57  | 49.50  | 32.39        | 7.55    | 7.84 | 9.0        | 2.64            | 90.5  |
| 1107     | 10/25/2011 02:01:19 | 14.52  | 49.53  | 32.41        | 7.47    | 7.83 | 7.7        | 2.53            | 89.5  |
| 1108     | 10/25/2011 02:16:20 | 14.39  | 49.62  | 32.47        | 7.56    | 7.83 | 7.6        | 2.43            | 90.4  |
| 1109     | 10/25/2011 02:31:19 | 14.50  | 49.56  | 32.43        | 7.64    | 7.84 | 9.0        | 2.33            | 91.5  |
| 1110     | 10/25/2011 02:46:20 | 14.52  | 49.53  | 32.40        | 7.62    | 7.85 | 9.2        | 2.22            | 91.3  |
| 1111     | 10/25/2011 03:01:19 | 14.54  | 49.49  | 32.38        | 7.59    | 7.85 | 8.5        | 2.13            | 91.0  |
| 1112     | 10/25/2011 03:16:19 | 14.49  | 49.43  | 32.33        | 7.57    | 7.85 | 7.8        | 2.02            | 90.7  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 1113     | 10/25/2011 03:31:19 | 14.72  | 49.32  | 32.26        | 7.52    | 7.86 | 7.8        | 1.92   | 90.4  |
| 1114     | 10/25/2011 03:46:19 | 14.66  | 49.32  | 32.25        | 7.55    | 7.86 | 7.4        | 1.84   | 90.6  |
| 1115     | 10/25/2011 04:01:19 | 14.80  | 49.21  | 32.18        | 7.57    | 7.87 | 6.8        | 1.80   | 91.1  |
| 1116     | 10/25/2011 04:16:19 | 14.88  | 49.16  | 32.14        | 7.59    | 7.88 | 6.5        | 1.73   | 91.5  |
| 1117     | 10/25/2011 04:31:19 | 15.04  | 49.06  | 32.07        | 7.59    | 7.90 | 6.2        | 1.71   | 91.8  |
| 1118     | 10/25/2011 04:46:19 | 15.10  | 49.03  | 32.06        | 7.61    | 7.90 | 5.8        | 1.68   | 92.0  |
| 1119     | 10/25/2011 05:01:19 | 15.06  | 49.02  | 32.05        | 7.57    | 7.90 | 5.7        | 1.73   | 91.5  |
| 1120     | 10/25/2011 05:16:19 | 15.07  | 49.01  | 32.04        | 7.59    | 7.90 | 5.8        | 1.77   | 91.7  |
| 1121     | 10/25/2011 05:31:19 | 15.04  | 49.03  | 32.06        | 7.54    | 7.89 | 5.7        | 1.80   | 91.1  |
| 1122     | 10/25/2011 05:46:19 | 15.02  | 49.04  | 32.06        | 7.56    | 7.89 | 6.0        | 1.91   | 91.3  |
| 1123     | 10/25/2011 06:01:19 | 14.85  | 48.96  | 32.00        | 7.55    | 7.88 | 7.6        | 2.00   | 90.8  |
| 1124     | 10/25/2011 06:16:19 | 14.67  | 48.73  | 31.83        | 7.51    | 7.88 | 8.1        | 2.10   | 90.0  |
| 1125     | 10/25/2011 06:31:19 | 14.80  | 48.96  | 32.00        | 7.50    | 7.87 | 8.1        | 2.18   | 90.2  |
| 1126     | 10/25/2011 06:46:19 | 14.78  | 49.09  | 32.10        | 7.52    | 7.86 | 7.1        | 2.30   | 90.4  |
| 1127     | 10/25/2011 07:01:19 | 14.72  | 49.22  | 32.19        | 7.50    | 7.85 | 7.4        | 2.40   | 90.1  |
| 1128     | 10/25/2011 07:16:20 | 14.61  | 49.36  | 32.28        | 7.54    | 7.85 | 8.1        | 2.50   | 90.4  |
| 1129     | 10/25/2011 07:31:19 | 14.52  | 49.47  | 32.36        | 7.59    | 7.84 | 7.3        | 2.59   | 90.9  |
| 1130     | 10/25/2011 07:46:20 | 14.46  | 49.54  | 32.41        | 7.62    | 7.84 | 7.9        | 2.70   | 91.2  |
| 1131     | 10/25/2011 08:01:19 | 14.35  | 49.64  | 32.48        | 7.63    | 7.84 | 9.7        | 2.80   | 91.2  |
| 1132     | 10/25/2011 08:16:19 | 14.12  | 49.71  | 32.53        | 7.67    | 7.83 | 10.9       | 2.89   | 91.3  |
| 1133     | 10/25/2011 08:31:19 | 13.90  | 49.88  | 32.65        | 7.73    | 7.82 | 11.7       | 3.00   | 91.6  |
| 1134     | 10/25/2011 08:46:19 | 13.53  | 50.01  | 32.73        | 7.85    | 7.82 | 15.3       | 3.12   | 92.4  |
| 1135     | 10/25/2011 09:01:19 | 13.18  | 50.21  | 32.86        | 7.98    | 7.82 | 16.1       | 3.21   | 93.3  |
| 1136     | 10/25/2011 09:16:19 | 12.75  | 50.42  | 32.99        | 8.16    | 7.81 | 16.2       | 3.32   | 94.6  |
| 1137     | 10/25/2011 09:31:20 | 12.36  | 50.61  | 33.12        | 8.35    | 7.81 | 16.0       | 3.44   | 96.2  |
| 1138     | 10/25/2011 09:46:20 | 12.14  | 50.70  | 33.18        | 8.41    | 7.81 | 16.2       | 3.53   | 96.4  |
| 1139     | 10/25/2011 10:01:19 | 11.87  | 50.81  | 33.24        | 8.41    | 7.80 | 14.2       | 3.63   | 96.0  |
| 1140     | 10/25/2011 10:16:19 | 11.58  | 50.89  | 33.29        | 8.40    | 7.79 | 12.8       | 3.72   | 95.2  |
| 1141     | 10/25/2011 10:31:19 | 11.40  | 50.98  | 33.34        | 8.33    | 7.78 | 11.0       | 3.79   | 94.1  |
| 1142     | 10/25/2011 10:46:19 | 11.25  | 51.04  | 33.37        | 8.27    | 7.78 | 8.9        | 3.86   | 93.1  |
| 1143     | 10/25/2011 11:01:20 | 11.20  | 51.08  | 33.40        | 8.18    | 7.78 | 6.8        | 3.89   | 92.1  |
| 1144     | 10/25/2011 11:16:19 | 11.66  | 50.86  | 33.27        | 8.14    | 7.78 | 5.8        | 3.90   | 92.4  |
| 1145     | 10/25/2011 11:31:19 | 11.34  | 51.02  | 33.36        | 8.14    | 7.77 | 7.2        | 3.90   | 91.8  |
| 1146     | 10/25/2011 11:46:20 | 11.24  | 51.05  | 33.38        | 8.15    | 7.78 | 7.8        | 3.85   | 91.8  |
| 1147     | 10/25/2011 12:01:19 | 11.41  | 51.00  | 33.35        | 8.16    | 7.78 | 9.2        | 3.78   | 92.2  |
| 1148     | 10/25/2011 12:16:19 | 12.48  | 50.67  | 33.16        | 8.63    | 7.83 | 7.8        | 3.69   | 99.6  |
| 1149     | 10/25/2011 12:31:20 | 12.24  | 50.79  | 33.24        | 8.63    | 7.82 | 8.8        | 3.58   | 99.2  |
| 1150     | 10/25/2011 12:46:19 | 12.59  | 50.57  | 33.10        | 8.55    | 7.83 | 7.8        | 3.48   | 98.9  |
| 1151     | 10/25/2011 13:01:19 | 12.56  | 50.53  | 33.07        | 8.42    | 7.82 | 12.3       | 3.34   | 97.3  |
| 1152     | 10/25/2011 13:16:19 | 12.86  | 50.39  | 32.98        | 8.38    | 7.83 | 11.4       | 3.19   | 97.4  |
| 1153     | 10/25/2011 13:31:19 | 13.12  | 50.32  | 32.94        | 8.37    | 7.84 | 12.4       | 3.07   | 97.8  |
| 1154     | 10/25/2011 13:46:19 | 13.43  | 50.23  | 32.88        | 8.53    | 7.85 | 15.9       | 2.92   | 100.2 |
| 1155     | 10/25/2011 14:01:19 | 13.34  | 50.34  | 32.96        | 8.69    | 7.86 | 14.7       | 2.78   | 102.0 |
| 1156     | 10/25/2011 14:16:20 | 13.40  | 50.32  | 32.95        | 8.66    | 7.86 | 15.9       | 2.64   | 101.8 |
| 1157     | 10/25/2011 14:31:20 | 13.66  | 50.22  | 32.88        | 8.66    | 7.87 | 18.2       | 2.50   | 102.3 |
| 1158     | 10/25/2011 14:46:20 | 13.97  | 50.11  | 32.82        | 8.75    | 7.88 | 19.8       | 2.35   | 104.0 |
| 1159     | 10/25/2011 15:01:19 | 14.27  | 50.01  | 32.75        | 8.73    | 7.89 | 28.5       | 2.20   | 104.3 |
| 1160     | 10/25/2011 15:16:19 | 14.62  | 49.74  | 32.56        | 8.50    | 7.89 | 44.3       | 2.04   | 102.1 |
| 1161     | 10/25/2011 15:31:19 | 14.72  | 49.65  | 32.50        | 8.52    | 7.89 | 52.6       | 1.90   | 102.5 |
| 1162     | 10/25/2011 15:46:19 | 14.76  | 49.72  | 32.55        | 8.51    | 7.90 | 46.0       | 1.74   | 102.6 |
| 1163     | 10/25/2011 16:01:19 | 14.83  | 49.63  | 32.49        | 8.33    | 7.89 | 42.4       | 1.59   | 100.4 |
| 1164     | 10/25/2011 16:16:19 | 14.90  | 49.53  | 32.42        | 8.18    | 7.88 | 33.4       | 1.45   | 98.8  |
| 1165     | 10/25/2011 16:31:19 | 15.01  | 49.45  | 32.36        | 8.18    | 7.88 | 28.1       | 1.32   | 99.0  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1166     | 10/25/2011 16:46:19 | 15.11  | 49.38  | 32.31        | 8.24    | 7.89 | 22.6       | 1.21            | 99.8  |
| 1167     | 10/25/2011 17:01:19 | 15.15  | 49.34  | 32.28        | 8.23    | 7.90 | 18.9       | 1.12            | 99.8  |
| 1168     | 10/25/2011 17:16:19 | 15.20  | 49.26  | 32.23        | 8.25    | 7.91 | 17.3       | 1.08            | 100.1 |
| 1169     | 10/25/2011 17:31:19 | 15.11  | 49.34  | 32.28        | 8.25    | 7.90 | 16.2       | 1.09            | 99.9  |
| 1170     | 10/25/2011 17:46:19 | 15.19  | 49.22  | 32.20        | 8.28    | 7.91 | 15.1       | 1.12            | 100.4 |
| 1171     | 10/25/2011 18:01:19 | 15.21  | 49.20  | 32.18        | 8.25    | 7.91 | 15.7       | 1.20            | 100.0 |
| 1172     | 10/25/2011 18:16:19 | 15.24  | 49.10  | 32.11        | 8.25    | 7.92 | 15.6       | 1.29            | 100.1 |
| 1173     | 10/25/2011 18:31:19 | 15.24  | 49.07  | 32.09        | 8.26    | 7.93 | 16.6       | 1.39            | 100.2 |
| 1174     | 10/25/2011 18:46:19 | 15.24  | 49.07  | 32.09        | 8.23    | 7.92 | 17.9       | 1.48            | 99.9  |
| 1175     | 10/25/2011 19:01:19 | 14.88  | 48.71  | 31.82        | 8.28    | 7.92 | 16.2       | 1.58            | 99.6  |
| 1176     | 10/25/2011 19:16:19 | 15.00  | 48.80  | 31.88        | 8.26    | 7.92 | 18.1       | 1.67            | 99.6  |
| 1177     | 10/25/2011 19:31:19 | 15.03  | 48.98  | 32.02        | 8.26    | 7.92 | 18.4       | 1.77            | 99.8  |
| 1178     | 10/25/2011 19:46:19 | 14.99  | 49.03  | 32.06        | 8.24    | 7.91 | 15.3       | 1.87            | 99.5  |
| 1179     | 10/25/2011 20:01:19 | 14.95  | 49.08  | 32.09        | 8.25    | 7.91 | 13.9       | 1.97            | 99.4  |
| 1180     | 10/25/2011 20:16:19 | 14.92  | 49.19  | 32.17        | 8.23    | 7.90 | 13.9       | 2.09            | 99.2  |
| 1181     | 10/25/2011 20:31:19 | 14.84  | 49.31  | 32.25        | 8.14    | 7.89 | 15.5       | 2.20            | 98.1  |
| 1182     | 10/25/2011 20:46:19 | 14.77  | 49.37  | 32.30        | 8.12    | 7.88 | 16.8       | 2.31            | 97.7  |
| 1183     | 10/25/2011 21:01:19 | 14.64  | 49.49  | 32.38        | 8.14    | 7.88 | 17.6       | 2.42            | 97.7  |
| 1184     | 10/25/2011 21:16:19 | 14.50  | 49.57  | 32.44        | 8.14    | 7.87 | 18.6       | 2.53            | 97.6  |
| 1185     | 10/25/2011 21:31:19 | 14.36  | 49.66  | 32.49        | 8.14    | 7.86 | 19.2       | 2.64            | 97.2  |
| 1186     | 10/25/2011 21:46:19 | 14.24  | 49.71  | 32.53        | 8.15    | 7.86 | 17.7       | 2.75            | 97.2  |
| 1187     | 10/25/2011 22:01:20 | 13.99  | 49.82  | 32.60        | 8.18    | 7.85 | 23.2       | 2.85            | 97.1  |
| 1188     | 10/25/2011 22:16:19 | 13.74  | 49.93  | 32.68        | 8.22    | 7.84 | 21.0       | 2.95            | 97.1  |
| 1189     | 10/25/2011 22:31:19 | 13.27  | 50.19  | 32.85        | 8.32    | 7.83 | 21.4       | 3.03            | 97.4  |
| 1190     | 10/25/2011 22:46:19 | 12.82  | 50.41  | 32.99        | 8.37    | 7.82 | 15.7       | 3.11            | 97.2  |
| 1191     | 10/25/2011 23:01:20 | 12.57  | 50.54  | 33.08        | 8.36    | 7.82 | 16.9       | 3.20            | 96.6  |
| 1192     | 10/25/2011 23:16:20 | 12.38  | 50.62  | 33.13        | 8.35    | 7.82 | 13.4       | 3.27            | 96.2  |
| 1193     | 10/25/2011 23:31:19 | 12.24  | 50.66  | 33.15        | 8.35    | 7.81 | 11.8       | 3.33            | 95.9  |
| 1194     | 10/25/2011 23:46:19 | 12.13  | 50.73  | 33.20        | 8.35    | 7.81 | 9.1        | 3.38            | 95.7  |
| 1195     | 10/26/2011 00:01:20 | 12.03  | 50.77  | 33.22        | 8.34    | 7.81 | 6.8        | 3.42            | 95.4  |
| 1196     | 10/26/2011 00:16:20 | 12.00  | 50.77  | 33.22        | 8.20    | 7.81 | 5.2        | 3.45            | 93.8  |
| 1197     | 10/26/2011 00:31:19 | 12.17  | 50.70  | 33.18        | 8.22    | 7.81 | 6.5        | 3.44            | 94.4  |
| 1198     | 10/26/2011 00:46:20 | 11.94  | 50.79  | 33.23        | 8.31    | 7.81 | 6.7        | 3.40            | 94.9  |
| 1199     | 10/26/2011 01:01:20 | 12.22  | 50.65  | 33.14        | 8.22    | 7.81 | 8.9        | 3.34            | 94.4  |
| 1200     | 10/26/2011 01:16:19 | 12.75  | 50.33  | 32.93        | 8.07    | 7.82 | 13.0       | 3.27            | 93.6  |
| 1201     | 10/26/2011 01:31:19 | 12.78  | 50.31  | 32.91        | 8.09    | 7.82 | 13.0       | 3.17            | 93.8  |
| 1202     | 10/26/2011 01:46:19 | 12.47  | 50.52  | 33.06        | 8.16    | 7.81 | 11.4       | 3.07            | 94.2  |
| 1203     | 10/26/2011 02:01:20 | 13.05  | 50.18  | 32.83        | 8.04    | 7.83 | 13.9       | 2.96            | 93.7  |
| 1204     | 10/26/2011 02:16:19 | 13.20  | 50.03  | 32.73        | 8.01    | 7.83 | 14.4       | 2.86            | 93.6  |
| 1205     | 10/26/2011 02:31:19 | 13.48  | 49.88  | 32.63        | 7.92    | 7.84 | 13.8       | 2.74            | 93.1  |
| 1206     | 10/26/2011 02:46:20 | 13.57  | 49.84  | 32.61        | 7.88    | 7.84 | 13.6       | 2.64            | 92.8  |
| 1207     | 10/26/2011 03:01:19 | 13.58  | 49.84  | 32.61        | 7.82    | 7.83 | 9.4        | 2.54            | 92.0  |
| 1208     | 10/26/2011 03:16:19 | 13.36  | 49.98  | 32.70        | 7.95    | 7.83 | 12.4       | 2.43            | 93.2  |
| 1209     | 10/26/2011 03:31:19 | 13.65  | 49.81  | 32.59        | 7.91    | 7.84 | 13.3       | 2.33            | 93.3  |
| 1210     | 10/26/2011 03:46:19 | 13.45  | 49.84  | 32.60        | 7.90    | 7.84 | 12.5       | 2.22            | 92.8  |
| 1211     | 10/26/2011 04:01:19 | 13.51  | 49.77  | 32.55        | 7.85    | 7.84 | 11.4       | 2.14            | 92.2  |
| 1212     | 10/26/2011 04:16:19 | 13.67  | 49.67  | 32.48        | 7.79    | 7.84 | 10.6       | 2.04            | 91.8  |
| 1213     | 10/26/2011 04:31:19 | 13.69  | 49.60  | 32.44        | 7.73    | 7.85 | 10.1       | 1.95            | 91.1  |
| 1214     | 10/26/2011 04:46:19 | 13.75  | 49.55  | 32.40        | 7.71    | 7.85 | 9.5        | 1.90            | 90.9  |
| 1215     | 10/26/2011 05:01:19 | 13.83  | 49.48  | 32.35        | 7.70    | 7.85 | 8.9        | 1.84            | 91.0  |
| 1216     | 10/26/2011 05:16:19 | 13.93  | 49.41  | 32.30        | 7.67    | 7.86 | 8.5        | 1.82            | 90.8  |
| 1217     | 10/26/2011 05:31:20 | 14.01  | 49.31  | 32.23        | 7.59    | 7.87 | 7.9        | 1.82            | 89.9  |
| 1218     | 10/26/2011 05:46:19 | 13.95  | 49.34  | 32.25        | 7.55    | 7.86 | 7.8        | 1.82            | 89.3  |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 1219     | 10/26/2011 06:01:19 | 13.98  | 49.29  | 32.22        | 7.61    | 7.86 | 7.4        | 1.87   | 90.1  |
| 1220     | 10/26/2011 06:16:19 | 13.98  | 49.31  | 32.23        | 7.64    | 7.86 | 8.3        | 1.94   | 90.4  |
| 1221     | 10/26/2011 06:31:19 | 13.95  | 49.33  | 32.25        | 7.64    | 7.86 | 8.1        | 2.00   | 90.4  |
| 1222     | 10/26/2011 06:46:19 | 13.84  | 49.31  | 32.22        | 7.66    | 7.85 | 8.9        | 2.10   | 90.4  |
| 1223     | 10/26/2011 07:01:19 | 13.53  | 49.06  | 32.04        | 7.65    | 7.85 | 12.0       | 2.21   | 89.6  |
| 1224     | 10/26/2011 07:16:19 | 13.72  | 49.31  | 32.23        | 7.71    | 7.85 | 10.5       | 2.31   | 90.8  |
| 1225     | 10/26/2011 07:31:19 | 13.75  | 49.47  | 32.34        | 7.74    | 7.85 | 10.3       | 2.41   | 91.3  |
| 1226     | 10/26/2011 07:46:19 | 13.66  | 49.60  | 32.43        | 7.76    | 7.84 | 11.4       | 2.51   | 91.4  |
| 1227     | 10/26/2011 08:01:19 | 13.58  | 49.73  | 32.52        | 7.88    | 7.84 | 12.1       | 2.62   | 92.7  |
| 1228     | 10/26/2011 08:16:20 | 13.53  | 49.84  | 32.60        | 7.94    | 7.84 | 11.5       | 2.72   | 93.3  |
| 1229     | 10/26/2011 08:31:20 | 13.45  | 49.92  | 32.66        | 7.99    | 7.84 | 12.1       | 2.82   | 93.8  |
| 1230     | 10/26/2011 08:46:19 | 13.27  | 50.02  | 32.72        | 8.01    | 7.83 | 14.4       | 2.92   | 93.7  |
| 1231     | 10/26/2011 09:01:19 | 13.02  | 50.14  | 32.80        | 8.04    | 7.82 | 16.2       | 3.03   | 93.7  |
| 1232     | 10/26/2011 09:16:19 | 12.82  | 50.25  | 32.87        | 8.08    | 7.82 | 20.4       | 3.13   | 93.8  |
| 1233     | 10/26/2011 09:31:20 | 12.26  | 50.52  | 33.05        | 8.19    | 7.81 | 17.6       | 3.25   | 94.0  |
| 1234     | 10/26/2011 09:46:20 | 11.99  | 50.63  | 33.11        | 8.23    | 7.81 | 17.6       | 3.36   | 94.1  |
| 1235     | 10/26/2011 10:01:19 | 11.60  | 50.80  | 33.22        | 8.29    | 7.79 | 19.0       | 3.46   | 94.0  |
| 1236     | 10/26/2011 10:16:19 | 11.40  | 50.89  | 33.27        | 8.31    | 7.79 | 18.6       | 3.58   | 93.8  |
| 1237     | 10/26/2011 10:31:19 | 11.19  | 50.98  | 33.33        | 8.25    | 7.78 | 17.5       | 3.68   | 92.8  |
| 1238     | 10/26/2011 10:46:20 | 11.06  | 51.05  | 33.37        | 8.12    | 7.78 | 14.7       | 3.77   | 91.1  |
| 1239     | 10/26/2011 11:01:20 | 10.96  | 51.11  | 33.41        | 8.02    | 7.78 | 12.3       | 3.86   | 89.8  |
| 1240     | 10/26/2011 11:16:20 | 10.86  | 51.14  | 33.42        | 7.87    | 7.77 | 9.5        | 3.94   | 88.0  |
| 1241     | 10/26/2011 11:31:20 | 10.81  | 51.17  | 33.44        | 7.81    | 7.77 | 7.3        | 3.99   | 87.2  |
| 1242     | 10/26/2011 11:46:20 | 10.79  | 51.16  | 33.43        | 7.65    | 7.76 | 5.9        | 4.03   | 85.3  |
| 1243     | 10/26/2011 12:01:20 | 11.19  | 50.99  | 33.33        | 7.98    | 7.78 | 6.3        | 4.04   | 89.8  |
| 1244     | 10/26/2011 12:16:20 | 10.95  | 51.11  | 33.41        | 7.75    | 7.77 | 6.6        | 4.01   | 86.8  |
| 1245     | 10/26/2011 12:31:20 | 11.02  | 51.07  | 33.38        | 7.84    | 7.77 | 8.4        | 3.96   | 87.9  |
| 1246     | 10/26/2011 12:46:20 | 11.16  | 51.08  | 33.40        | 7.95    | 7.78 | 8.4        | 3.88   | 89.4  |
| 1247     | 10/26/2011 13:01:20 | 11.51  | 51.03  | 33.38        | 8.28    | 7.80 | 7.8        | 3.78   | 93.7  |
| 1248     | 10/26/2011 13:16:20 | 11.31  | 51.12  | 33.44        | 8.07    | 7.79 | 8.1        | 3.65   | 91.0  |
| 1249     | 10/26/2011 13:31:20 | 11.99  | 50.77  | 33.22        | 8.38    | 7.82 | 8.2        | 3.51   | 95.8  |
| 1250     | 10/26/2011 13:46:20 | 12.04  | 50.69  | 33.16        | 8.34    | 7.82 | 11.5       | 3.39   | 95.4  |
| 1251     | 10/26/2011 14:01:20 | 12.19  | 50.62  | 33.12        | 8.33    | 7.82 | 12.0       | 3.25   | 95.6  |
| 1252     | 10/26/2011 14:16:19 | 12.44  | 50.53  | 33.06        | 8.44    | 7.82 | 9.3        | 3.09   | 97.3  |
| 1253     | 10/26/2011 14:31:19 | 12.70  | 50.48  | 33.04        | 8.58    | 7.84 | 9.3        | 2.95   | 99.4  |
| 1254     | 10/26/2011 14:46:20 | 12.83  | 50.45  | 33.02        | 8.68    | 7.85 | 11.4       | 2.80   | 100.8 |
| 1255     | 10/26/2011 15:01:19 | 12.88  | 50.44  | 33.02        | 8.69    | 7.85 | 9.8        | 2.62   | 101.1 |
| 1256     | 10/26/2011 15:16:19 | 13.17  | 50.28  | 32.91        | 8.70    | 7.86 | 11.4       | 2.47   | 101.7 |
| 1257     | 10/26/2011 15:31:20 | 13.49  | 50.13  | 32.81        | 8.67    | 7.87 | 12.8       | 2.31   | 101.9 |
| 1258     | 10/26/2011 15:46:19 | 13.79  | 49.95  | 32.69        | 8.74    | 7.89 | 12.2       | 2.15   | 103.4 |
| 1259     | 10/26/2011 16:01:19 | 13.93  | 49.89  | 32.65        | 8.87    | 7.90 | 13.9       | 1.98   | 105.1 |
| 1260     | 10/26/2011 16:16:19 | 13.94  | 49.98  | 32.72        | 9.02    | 7.91 | 13.0       | 1.79   | 107.0 |
| 1261     | 10/26/2011 16:31:20 | 14.11  | 49.81  | 32.60        | 8.71    | 7.90 | 15.3       | 1.63   | 103.6 |
| 1262     | 10/26/2011 16:46:19 | 14.16  | 49.74  | 32.55        | 8.62    | 7.89 | 13.4       | 1.46   | 102.6 |
| 1263     | 10/26/2011 17:01:19 | 14.24  | 49.68  | 32.51        | 8.59    | 7.90 | 12.9       | 1.30   | 102.4 |
| 1264     | 10/26/2011 17:16:19 | 14.32  | 49.59  | 32.44        | 8.60    | 7.90 | 13.3       | 1.15   | 102.6 |
| 1265     | 10/26/2011 17:31:19 | 14.35  | 49.53  | 32.40        | 8.64    | 7.91 | 11.9       | 1.01   | 103.1 |
| 1266     | 10/26/2011 17:46:19 | 14.38  | 49.54  | 32.41        | 8.65    | 7.91 | 11.7       | 0.90   | 103.4 |
| 1267     | 10/26/2011 18:01:19 | 14.26  | 49.64  | 32.48        | 8.56    | 7.91 | 10.6       | 0.84   | 102.0 |
| 1268     | 10/26/2011 18:16:19 | 14.43  | 49.44  | 32.34        | 8.71    | 7.93 | 9.5        | 0.88   | 104.1 |
| 1269     | 10/26/2011 18:31:19 | 14.38  | 49.35  | 32.27        | 8.77    | 7.93 | 8.5        | 0.95   | 104.7 |
| 1270     | 10/26/2011 18:46:19 | 14.34  | 49.36  | 32.28        | 8.76    | 7.93 | 9.5        | 1.04   | 104.4 |
| 1271     | 10/26/2011 19:01:20 | 14.27  | 49.27  | 32.21        | 8.79    | 7.95 | 10.9       | 1.16   | 104.7 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1272     | 10/26/2011 19:16:19 | 14.24  | 49.25  | 32.19        | 8.78    | 7.95 | 10.7       | 1.27            | 104.5 |
| 1273     | 10/26/2011 19:31:19 | 14.10  | 49.07  | 32.06        | 8.69    | 7.93 | 10.6       | 1.34            | 103.0 |
| 1274     | 10/26/2011 19:46:20 | 13.95  | 48.85  | 31.90        | 8.56    | 7.91 | 10.6       | 1.43            | 101.1 |
| 1275     | 10/26/2011 20:01:19 | 14.08  | 48.98  | 32.00        | 8.56    | 7.91 | 10.5       | 1.51            | 101.4 |
| 1276     | 10/26/2011 20:16:19 | 14.11  | 49.08  | 32.07        | 8.57    | 7.91 | 9.9        | 1.60            | 101.6 |
| 1277     | 10/26/2011 20:31:20 | 14.10  | 49.22  | 32.17        | 8.55    | 7.91 | 10.0       | 1.70            | 101.4 |
| 1278     | 10/26/2011 20:46:19 | 14.08  | 49.30  | 32.23        | 8.54    | 7.91 | 9.7        | 1.81            | 101.3 |
| 1279     | 10/26/2011 21:01:20 | 14.11  | 49.37  | 32.28        | 8.54    | 7.91 | 9.8        | 1.92            | 101.4 |
| 1280     | 10/26/2011 21:16:19 | 14.07  | 49.53  | 32.39        | 8.45    | 7.89 | 11.3       | 2.06            | 100.3 |
| 1281     | 10/26/2011 21:31:19 | 14.00  | 49.62  | 32.46        | 8.40    | 7.88 | 10.1       | 2.17            | 99.6  |
| 1282     | 10/26/2011 21:46:19 | 13.97  | 49.67  | 32.49        | 8.42    | 7.88 | 11.2       | 2.30            | 99.9  |
| 1283     | 10/26/2011 22:01:20 | 13.89  | 49.74  | 32.54        | 8.42    | 7.88 | 11.8       | 2.42            | 99.7  |
| 1284     | 10/26/2011 22:16:19 | 13.76  | 49.79  | 32.58        | 8.38    | 7.87 | 13.2       | 2.54            | 99.0  |
| 1285     | 10/26/2011 22:31:19 | 13.63  | 49.86  | 32.62        | 8.36    | 7.86 | 13.6       | 2.66            | 98.5  |
| 1286     | 10/26/2011 22:46:19 | 13.48  | 49.95  | 32.68        | 8.34    | 7.85 | 16.4       | 2.75            | 98.0  |
| 1287     | 10/26/2011 23:01:19 | 13.19  | 50.07  | 32.76        | 8.33    | 7.84 | 17.7       | 2.86            | 97.4  |
| 1288     | 10/26/2011 23:16:19 | 12.75  | 50.30  | 32.91        | 8.28    | 7.82 | 17.9       | 2.95            | 95.9  |
| 1289     | 10/26/2011 23:31:20 | 12.30  | 50.56  | 33.08        | 8.20    | 7.82 | 17.5       | 3.04            | 94.2  |
| 1290     | 10/26/2011 23:46:20 | 12.04  | 50.69  | 33.16        | 8.13    | 7.81 | 16.5       | 3.13            | 93.0  |
| 1291     | 10/27/2011 00:01:20 | 11.77  | 50.78  | 33.21        | 7.99    | 7.80 | 15.7       | 3.21            | 90.9  |
| 1292     | 10/27/2011 00:16:19 | 11.50  | 50.87  | 33.26        | 7.83    | 7.78 | 11.2       | 3.29            | 88.6  |
| 1293     | 10/27/2011 00:31:20 | 11.31  | 50.99  | 33.34        | 7.71    | 7.78 | 9.7        | 3.35            | 86.9  |
| 1294     | 10/27/2011 00:46:20 | 11.23  | 51.01  | 33.35        | 7.64    | 7.78 | 8.2        | 3.41            | 86.0  |
| 1295     | 10/27/2011 01:01:20 | 11.18  | 51.04  | 33.37        | 7.59    | 7.78 | 7.0        | 3.44            | 85.4  |
| 1296     | 10/27/2011 01:16:19 | 11.45  | 50.88  | 33.27        | 7.65    | 7.78 | 5.8        | 3.46            | 86.5  |
| 1297     | 10/27/2011 01:31:20 | 11.25  | 51.00  | 33.34        | 7.55    | 7.77 | 6.7        | 3.46            | 85.1  |
| 1298     | 10/27/2011 01:46:19 | 11.20  | 51.01  | 33.35        | 7.56    | 7.77 | 6.5        | 3.41            | 85.0  |
| 1299     | 10/27/2011 02:01:20 | 11.22  | 51.01  | 33.35        | 7.57    | 7.77 | 9.0        | 3.34            | 85.2  |
| 1300     | 10/27/2011 02:16:20 | 11.91  | 50.65  | 33.12        | 7.82    | 7.80 | 10.0       | 3.26            | 89.2  |
| 1301     | 10/27/2011 02:31:20 | 11.94  | 50.56  | 33.06        | 7.80    | 7.80 | 9.8        | 3.16            | 88.9  |
| 1302     | 10/27/2011 02:46:20 | 11.97  | 50.53  | 33.04        | 7.87    | 7.80 | 10.7       | 3.07            | 89.8  |
| 1303     | 10/27/2011 03:01:20 | 12.29  | 50.39  | 32.95        | 7.89    | 7.81 | 10.8       | 2.94            | 90.6  |
| 1304     | 10/27/2011 03:16:20 | 12.53  | 50.23  | 32.84        | 7.91    | 7.82 | 9.8        | 2.84            | 91.3  |
| 1305     | 10/27/2011 03:31:20 | 12.66  | 50.16  | 32.80        | 7.96    | 7.83 | 10.2       | 2.73            | 92.0  |
| 1306     | 10/27/2011 03:46:19 | 12.83  | 50.00  | 32.69        | 7.94    | 7.83 | 8.9        | 2.63            | 92.1  |
| 1307     | 10/27/2011 04:01:19 | 12.81  | 50.06  | 32.74        | 7.96    | 7.83 | 8.4        | 2.55            | 92.3  |
| 1308     | 10/27/2011 04:16:19 | 12.71  | 50.16  | 32.81        | 8.00    | 7.82 | 8.4        | 2.43            | 92.6  |
| 1309     | 10/27/2011 04:31:19 | 12.80  | 50.11  | 32.77        | 8.03    | 7.83 | 10.2       | 2.33            | 93.1  |
| 1310     | 10/27/2011 04:46:19 | 12.85  | 50.05  | 32.73        | 8.03    | 7.83 | 8.8        | 2.25            | 93.2  |
| 1311     | 10/27/2011 05:01:20 | 12.90  | 49.98  | 32.68        | 7.98    | 7.84 | 8.2        | 2.16            | 92.7  |
| 1312     | 10/27/2011 05:16:20 | 12.92  | 49.92  | 32.64        | 7.99    | 7.84 | 7.9        | 2.08            | 92.8  |
| 1313     | 10/27/2011 05:31:19 | 12.99  | 49.84  | 32.58        | 7.97    | 7.84 | 7.1        | 2.02            | 92.7  |
| 1314     | 10/27/2011 05:46:19 | 13.07  | 49.75  | 32.52        | 8.00    | 7.85 | 6.8        | 1.98            | 93.2  |
| 1315     | 10/27/2011 06:01:20 | 13.18  | 49.70  | 32.49        | 8.01    | 7.86 | 6.5        | 1.94            | 93.5  |
| 1316     | 10/27/2011 06:16:20 | 13.28  | 49.64  | 32.45        | 8.05    | 7.87 | 6.1        | 1.94            | 94.0  |
| 1317     | 10/27/2011 06:31:20 | 13.24  | 49.59  | 32.41        | 7.93    | 7.86 | 5.6        | 1.95            | 92.6  |
| 1318     | 10/27/2011 06:46:20 | 13.19  | 49.56  | 32.39        | 7.96    | 7.86 | 5.5        | 1.98            | 92.8  |
| 1319     | 10/27/2011 07:01:19 | 13.19  | 49.59  | 32.41        | 7.95    | 7.86 | 6.0        | 2.03            | 92.8  |
| 1320     | 10/27/2011 07:16:20 | 13.19  | 49.61  | 32.42        | 7.94    | 7.85 | 6.7        | 2.11            | 92.6  |
| 1321     | 10/27/2011 07:31:20 | 13.08  | 49.61  | 32.42        | 7.96    | 7.85 | 7.9        | 2.22            | 92.6  |
| 1322     | 10/27/2011 07:46:20 | 12.92  | 49.53  | 32.35        | 7.92    | 7.84 | 9.6        | 2.30            | 91.8  |
| 1323     | 10/27/2011 08:01:20 | 12.99  | 49.75  | 32.52        | 7.96    | 7.84 | 8.5        | 2.40            | 92.5  |
| 1324     | 10/27/2011 08:16:20 | 12.93  | 49.88  | 32.61        | 7.96    | 7.84 | 8.4        | 2.51            | 92.4  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 1325     | 10/27/2011 08:31:19 | 12.77  | 50.03  | 32.71        | 7.96    | 7.83 | 8.5        | 2.60   | 92.2  |
| 1326     | 10/27/2011 08:46:20 | 12.69  | 50.15  | 32.80        | 8.03    | 7.83 | 9.2        | 2.70   | 92.9  |
| 1327     | 10/27/2011 09:01:20 | 12.65  | 50.20  | 32.83        | 8.04    | 7.83 | 8.9        | 2.80   | 93.0  |
| 1328     | 10/27/2011 09:16:19 | 12.56  | 50.25  | 32.87        | 8.05    | 7.82 | 10.3       | 2.90   | 92.9  |
| 1329     | 10/27/2011 09:31:20 | 12.32  | 50.41  | 32.97        | 7.99    | 7.81 | 12.3       | 3.00   | 91.8  |
| 1330     | 10/27/2011 09:46:19 | 12.14  | 50.46  | 33.00        | 7.93    | 7.80 | 12.5       | 3.11   | 90.8  |
| 1331     | 10/27/2011 10:01:20 | 11.82  | 50.66  | 33.13        | 7.85    | 7.79 | 15.6       | 3.22   | 89.4  |
| 1332     | 10/27/2011 10:16:20 | 11.41  | 50.85  | 33.25        | 7.77    | 7.78 | 15.6       | 3.34   | 87.7  |
| 1333     | 10/27/2011 10:31:20 | 11.17  | 50.97  | 33.32        | 7.71    | 7.77 | 13.3       | 3.45   | 86.7  |
| 1334     | 10/27/2011 10:46:20 | 11.01  | 51.06  | 33.37        | 7.65    | 7.77 | 15.0       | 3.56   | 85.7  |
| 1335     | 10/27/2011 11:01:20 | 10.82  | 51.12  | 33.40        | 7.56    | 7.76 | 13.5       | 3.68   | 84.4  |
| 1336     | 10/27/2011 11:16:20 | 10.74  | 51.16  | 33.43        | 7.48    | 7.76 | 10.2       | 3.78   | 83.4  |
| 1337     | 10/27/2011 11:31:20 | 10.69  | 51.21  | 33.46        | 7.43    | 7.76 | 8.8        | 3.88   | 82.8  |
| 1338     | 10/27/2011 11:46:20 | 10.66  | 51.19  | 33.45        | 7.40    | 7.76 | 7.1        | 3.96   | 82.4  |
| 1339     | 10/27/2011 12:01:19 | 10.61  | 51.24  | 33.48        | 7.29    | 7.75 | 5.8        | 4.02   | 81.1  |
| 1340     | 10/27/2011 12:31:20 | 10.58  | 51.29  | 33.52        | 7.22    | 7.74 | 4.3        | 4.11   | 80.3  |
| 1341     | 10/27/2011 12:46:20 | 10.82  | 51.18  | 33.45        | 7.42    | 7.76 | 4.6        | 4.12   | 82.8  |
| 1342     | 10/27/2011 13:01:20 | 10.67  | 51.26  | 33.50        | 7.18    | 7.75 | 4.8        | 4.09   | 80.0  |
| 1343     | 10/27/2011 13:16:20 | 10.90  | 51.18  | 33.45        | 7.41    | 7.76 | 5.7        | 4.04   | 82.9  |
| 1344     | 10/27/2011 13:31:20 | 10.74  | 51.24  | 33.49        | 7.27    | 7.76 | 6.3        | 3.95   | 81.0  |
| 1345     | 10/27/2011 13:46:19 | 11.17  | 51.10  | 33.41        | 7.79    | 7.78 | 7.2        | 3.84   | 87.6  |
| 1346     | 10/27/2011 14:01:20 | 11.09  | 51.19  | 33.47        | 7.71    | 7.78 | 6.2        | 3.73   | 86.6  |
| 1347     | 10/27/2011 14:16:20 | 11.56  | 50.95  | 33.33        | 7.95    | 7.80 | 7.7        | 3.57   | 90.2  |
| 1348     | 10/27/2011 14:31:20 | 11.51  | 50.91  | 33.30        | 7.91    | 7.80 | 8.5        | 3.43   | 89.6  |
| 1349     | 10/27/2011 14:46:20 | 11.61  | 50.87  | 33.27        | 7.94    | 7.80 | 8.1        | 3.29   | 90.0  |
| 1350     | 10/27/2011 15:01:20 | 11.77  | 50.83  | 33.25        | 8.04    | 7.80 | 6.8        | 3.14   | 91.5  |
| 1351     | 10/27/2011 15:16:20 | 12.06  | 50.74  | 33.19        | 8.15    | 7.82 | 9.3        | 2.98   | 93.3  |
| 1352     | 10/27/2011 15:31:20 | 12.32  | 50.62  | 33.13        | 8.27    | 7.83 | 11.2       | 2.82   | 95.1  |
| 1353     | 10/27/2011 15:46:20 | 12.24  | 50.68  | 33.16        | 8.43    | 7.84 | 8.5        | 2.66   | 96.8  |
| 1354     | 10/27/2011 16:01:19 | 12.06  | 50.80  | 33.24        | 8.47    | 7.83 | 7.1        | 2.51   | 97.0  |
| 1355     | 10/27/2011 16:16:20 | 12.80  | 50.38  | 32.97        | 8.55    | 7.86 | 8.2        | 2.33   | 99.3  |
| 1356     | 10/27/2011 16:31:20 | 13.02  | 50.28  | 32.90        | 8.63    | 7.87 | 8.9        | 2.18   | 100.6 |
| 1357     | 10/27/2011 16:46:20 | 13.15  | 50.19  | 32.84        | 8.72    | 7.88 | 10.9       | 1.99   | 101.9 |
| 1358     | 10/27/2011 17:01:20 | 13.28  | 50.11  | 32.79        | 8.85    | 7.89 | 12.6       | 1.82   | 103.6 |
| 1359     | 10/27/2011 17:16:19 | 13.36  | 50.03  | 32.74        | 8.87    | 7.90 | 14.3       | 1.62   | 104.0 |
| 1360     | 10/27/2011 17:31:20 | 13.39  | 50.03  | 32.73        | 8.76    | 7.89 | 12.6       | 1.45   | 102.8 |
| 1361     | 10/27/2011 17:46:19 | 13.48  | 49.94  | 32.68        | 8.76    | 7.89 | 12.3       | 1.27   | 102.9 |
| 1362     | 10/27/2011 18:01:20 | 13.56  | 49.89  | 32.64        | 8.77    | 7.90 | 12.8       | 1.11   | 103.2 |
| 1363     | 10/27/2011 18:16:19 | 13.61  | 49.81  | 32.59        | 8.77    | 7.90 | 12.3       | 0.97   | 103.2 |
| 1364     | 10/27/2011 18:31:19 | 13.71  | 49.74  | 32.53        | 8.89    | 7.91 | 11.4       | 0.83   | 104.9 |
| 1365     | 10/27/2011 18:46:19 | 13.64  | 49.77  | 32.55        | 8.79    | 7.91 | 12.5       | 0.75   | 103.5 |
| 1366     | 10/27/2011 19:01:19 | 13.71  | 49.68  | 32.49        | 8.95    | 7.92 | 9.7        | 0.76   | 105.5 |
| 1367     | 10/27/2011 19:16:19 | 13.75  | 49.56  | 32.40        | 9.12    | 7.94 | 8.9        | 0.81   | 107.6 |
| 1368     | 10/27/2011 19:31:19 | 13.70  | 49.51  | 32.37        | 9.14    | 7.95 | 8.4        | 0.92   | 107.6 |
| 1369     | 10/27/2011 19:46:19 | 13.67  | 49.46  | 32.33        | 9.20    | 7.95 | 8.4        | 1.05   | 108.2 |
| 1370     | 10/27/2011 20:01:20 | 13.67  | 49.47  | 32.34        | 9.19    | 7.96 | 9.4        | 1.15   | 108.2 |
| 1371     | 10/27/2011 20:16:20 | 13.61  | 49.44  | 32.32        | 9.12    | 7.95 | 9.8        | 1.24   | 107.2 |
| 1372     | 10/27/2011 20:31:19 | 13.41  | 49.10  | 32.06        | 8.89    | 7.91 | 10.0       | 1.33   | 103.9 |
| 1373     | 10/27/2011 20:46:20 | 13.39  | 49.08  | 32.04        | 8.81    | 7.90 | 8.8        | 1.41   | 102.9 |
| 1374     | 10/27/2011 21:01:19 | 13.46  | 49.14  | 32.09        | 8.83    | 7.90 | 10.3       | 1.49   | 103.3 |
| 1375     | 10/27/2011 21:16:20 | 13.49  | 49.40  | 32.28        | 8.89    | 7.92 | 9.2        | 1.60   | 104.2 |
| 1376     | 10/27/2011 21:31:20 | 13.47  | 49.48  | 32.34        | 8.86    | 7.91 | 9.9        | 1.71   | 103.9 |
| 1377     | 10/27/2011 21:46:20 | 13.50  | 49.56  | 32.40        | 8.86    | 7.91 | 8.9        | 1.83   | 103.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1378     | 10/27/2011 22:01:20 | 13.43  | 49.73  | 32.52        | 8.71    | 7.90 | 10.3       | 1.95            | 102.2 |
| 1379     | 10/27/2011 22:16:20 | 13.38  | 49.83  | 32.59        | 8.64    | 7.89 | 9.7        | 2.08            | 101.3 |
| 1380     | 10/27/2011 22:31:20 | 13.36  | 49.87  | 32.61        | 8.64    | 7.89 | 10.4       | 2.21            | 101.2 |
| 1381     | 10/27/2011 22:46:20 | 13.34  | 49.92  | 32.66        | 8.63    | 7.88 | 10.9       | 2.34            | 101.1 |
| 1382     | 10/27/2011 23:01:20 | 13.22  | 49.98  | 32.70        | 8.56    | 7.87 | 11.2       | 2.46            | 100.1 |
| 1383     | 10/27/2011 23:16:20 | 13.12  | 50.04  | 32.74        | 8.50    | 7.87 | 13.7       | 2.58            | 99.2  |
| 1384     | 10/27/2011 23:31:20 | 13.01  | 50.10  | 32.78        | 8.42    | 7.86 | 13.6       | 2.69            | 98.0  |
| 1385     | 10/27/2011 23:46:20 | 12.78  | 50.19  | 32.83        | 8.34    | 7.84 | 18.3       | 2.80            | 96.7  |
| 1386     | 10/28/2011 00:01:19 | 12.49  | 50.35  | 32.93        | 8.25    | 7.83 | 16.1       | 2.90            | 95.2  |
| 1387     | 10/28/2011 00:16:20 | 12.14  | 50.56  | 33.07        | 8.16    | 7.82 | 18.1       | 2.99            | 93.5  |
| 1388     | 10/28/2011 00:31:20 | 11.86  | 50.73  | 33.18        | 8.09    | 7.81 | 13.9       | 3.08            | 92.2  |
| 1389     | 10/28/2011 00:46:20 | 11.64  | 50.78  | 33.20        | 7.99    | 7.80 | 15.3       | 3.17            | 90.6  |
| 1390     | 10/28/2011 01:01:20 | 11.38  | 50.94  | 33.30        | 7.80    | 7.79 | 13.0       | 3.26            | 88.1  |
| 1391     | 10/28/2011 01:16:20 | 11.22  | 50.98  | 33.33        | 7.71    | 7.79 | 11.0       | 3.32            | 86.8  |
| 1392     | 10/28/2011 01:31:20 | 11.17  | 51.03  | 33.36        | 7.67    | 7.78 | 9.5        | 3.39            | 86.2  |
| 1393     | 10/28/2011 01:46:20 | 11.11  | 51.04  | 33.36        | 7.64    | 7.78 | 6.5        | 3.43            | 85.8  |
| 1394     | 10/28/2011 02:01:20 | 11.24  | 50.92  | 33.29        | 7.59    | 7.78 | 5.0        | 3.47            | 85.5  |
| 1395     | 10/28/2011 02:16:20 | 11.24  | 50.98  | 33.33        | 7.61    | 7.78 | 5.5        | 3.46            | 85.6  |
| 1396     | 10/28/2011 02:31:20 | 11.10  | 51.03  | 33.36        | 7.56    | 7.78 | 5.6        | 3.44            | 84.8  |
| 1397     | 10/28/2011 02:46:19 | 11.13  | 50.99  | 33.33        | 7.57    | 7.78 | 7.7        | 3.40            | 85.1  |
| 1398     | 10/28/2011 03:01:20 | 11.30  | 50.92  | 33.29        | 7.60    | 7.78 | 7.3        | 3.31            | 85.7  |
| 1399     | 10/28/2011 03:16:20 | 11.79  | 50.63  | 33.10        | 7.81    | 7.80 | 10.4       | 3.23            | 88.9  |
| 1400     | 10/28/2011 03:31:20 | 11.43  | 50.87  | 33.26        | 7.72    | 7.78 | 8.1        | 3.13            | 87.2  |
| 1401     | 10/28/2011 03:46:20 | 11.50  | 50.85  | 33.25        | 7.79    | 7.79 | 6.7        | 3.04            | 88.1  |
| 1402     | 10/28/2011 04:01:20 | 12.00  | 50.52  | 33.03        | 7.90    | 7.81 | 9.2        | 2.94            | 90.2  |
| 1403     | 10/28/2011 04:16:20 | 12.19  | 50.41  | 32.96        | 7.96    | 7.82 | 9.0        | 2.83            | 91.3  |
| 1404     | 10/28/2011 04:31:20 | 12.29  | 50.35  | 32.92        | 8.00    | 7.82 | 8.0        | 2.74            | 91.9  |
| 1405     | 10/28/2011 04:46:19 | 12.34  | 50.29  | 32.89        | 8.01    | 7.82 | 8.3        | 2.67            | 92.0  |
| 1406     | 10/28/2011 05:01:20 | 12.32  | 50.36  | 32.93        | 7.96    | 7.82 | 6.8        | 2.57            | 91.5  |
| 1407     | 10/28/2011 05:16:20 | 12.20  | 50.42  | 32.97        | 7.98    | 7.81 | 6.5        | 2.47            | 91.5  |
| 1408     | 10/28/2011 05:31:20 | 12.35  | 50.34  | 32.92        | 8.07    | 7.83 | 7.3        | 2.40            | 92.8  |
| 1409     | 10/28/2011 05:46:20 | 12.47  | 50.26  | 32.86        | 8.13    | 7.83 | 7.4        | 2.31            | 93.7  |
| 1410     | 10/28/2011 06:01:20 | 12.51  | 50.18  | 32.81        | 8.08    | 7.83 | 7.1        | 2.25            | 93.1  |
| 1411     | 10/28/2011 06:16:20 | 12.54  | 50.14  | 32.78        | 8.14    | 7.84 | 6.6        | 2.18            | 93.8  |
| 1412     | 10/28/2011 06:31:20 | 12.65  | 50.02  | 32.70        | 8.14    | 7.84 | 6.5        | 2.11            | 94.1  |
| 1413     | 10/28/2011 06:46:20 | 12.69  | 49.98  | 32.67        | 8.14    | 7.85 | 6.0        | 2.09            | 94.1  |
| 1414     | 10/28/2011 07:01:20 | 12.75  | 49.94  | 32.64        | 8.18    | 7.85 | 6.2        | 2.08            | 94.7  |
| 1415     | 10/28/2011 07:16:20 | 12.74  | 49.94  | 32.64        | 8.12    | 7.85 | 5.2        | 2.08            | 94.0  |
| 1416     | 10/28/2011 07:31:20 | 12.75  | 49.87  | 32.59        | 8.13    | 7.85 | 5.4        | 2.09            | 94.0  |
| 1417     | 10/28/2011 07:46:20 | 12.76  | 49.89  | 32.61        | 8.13    | 7.85 | 5.2        | 2.14            | 94.1  |
| 1418     | 10/28/2011 08:01:20 | 12.78  | 49.87  | 32.60        | 8.13    | 7.85 | 5.9        | 2.20            | 94.2  |
| 1419     | 10/28/2011 08:16:19 | 12.76  | 49.92  | 32.63        | 8.15    | 7.84 | 7.8        | 2.29            | 94.3  |
| 1420     | 10/28/2011 08:31:20 | 12.51  | 49.78  | 32.52        | 8.09    | 7.83 | 8.6        | 2.38            | 93.1  |
| 1421     | 10/28/2011 08:46:20 | 12.55  | 49.97  | 32.66        | 8.10    | 7.83 | 8.1        | 2.48            | 93.3  |
| 1422     | 10/28/2011 09:01:20 | 12.50  | 50.11  | 32.76        | 8.07    | 7.83 | 10.7       | 2.60            | 93.0  |
| 1423     | 10/28/2011 09:16:20 | 12.38  | 50.25  | 32.85        | 8.01    | 7.82 | 7.5        | 2.70            | 92.1  |
| 1424     | 10/28/2011 09:31:20 | 12.25  | 50.36  | 32.93        | 8.01    | 7.82 | 7.6        | 2.76            | 91.9  |
| 1425     | 10/28/2011 09:46:19 | 12.15  | 50.39  | 32.95        | 8.01    | 7.81 | 7.4        | 2.88            | 91.7  |
| 1426     | 10/28/2011 10:01:20 | 12.12  | 50.48  | 33.01        | 8.01    | 7.82 | 8.9        | 2.99            | 91.7  |
| 1427     | 10/28/2011 10:16:20 | 11.94  | 50.60  | 33.09        | 7.94    | 7.81 | 9.7        | 3.10            | 90.6  |
| 1428     | 10/28/2011 10:31:20 | 11.75  | 50.68  | 33.14        | 7.87    | 7.80 | 11.0       | 3.20            | 89.5  |
| 1429     | 10/28/2011 10:46:20 | 11.62  | 50.75  | 33.19        | 7.81    | 7.79 | 11.0       | 3.30            | 88.5  |
| 1430     | 10/28/2011 11:01:20 | 11.33  | 50.90  | 33.27        | 7.71    | 7.78 | 11.8       | 3.41            | 86.9  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 1431     | 10/28/2011 11:16:20 | 11.08  | 51.03  | 33.36        | 7.63    | 7.78 | 11.3       | 3.52   | 85.6  |
| 1432     | 10/28/2011 11:31:20 | 10.91  | 51.11  | 33.41        | 7.61    | 7.77 | 12.1       | 3.61   | 85.2  |
| 1433     | 10/28/2011 11:46:20 | 10.78  | 51.13  | 33.41        | 7.67    | 7.76 | 9.7        | 3.72   | 85.6  |
| 1434     | 10/28/2011 12:01:20 | 10.75  | 51.20  | 33.46        | 7.64    | 7.76 | 8.7        | 3.83   | 85.2  |
| 1435     | 10/28/2011 12:16:20 | 10.72  | 51.20  | 33.46        | 7.65    | 7.76 | 7.8        | 3.92   | 85.3  |
| 1436     | 10/28/2011 12:31:20 | 10.67  | 51.24  | 33.48        | 7.66    | 7.76 | 6.5        | 3.98   | 85.3  |
| 1437     | 10/28/2011 12:45:00 | 11.31  | 50.91  | 33.28        | 8.04    | 7.78 | 4.5        | 1.15   | 90.6  |
|          | Mean                | 15.07  | 49.28  | 32.23        | 8.15    | 7.87 | 6.7        | 2.58   | 98.7  |
|          | Minimum             | 10.58  | 47.38  | 30.89        | 7.18    | 7.74 | 2.3        | 0.75   | 80.0  |
|          | Maximum             | 17.50  | 51.29  | 33.52        | 9.76    | 8.00 | 52.6       | 4.12   | 122.5 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 0        | 10/28/2011 13:16:19 | 10.64  | 51.20           | 33.45        | 7.63            | 7.79 | 4.6               | 4.08            | 84.8  |
| 1        | 10/28/2011 13:31:18 | 10.86  | 51.25           | 33.50        | 7.64            | 7.81 | 4.5               | 4.08            | 85.4  |
| 2        | 10/28/2011 13:46:18 | 10.70  | 51.29           | 33.53        | 7.45            | 7.80 | 4.6               | 4.04            | 83.1  |
| 3        | 10/28/2011 14:01:18 | 10.84  | 51.31           | 33.54        | 7.64            | 7.81 | 7.1               | 3.98            | 85.4  |
| 4        | 10/28/2011 14:16:18 | 10.90  | 51.22           | 33.49        | 7.60            | 7.81 | 5.5               | 3.90            | 85.0  |
| 5        | 10/28/2011 14:31:19 | 11.15  | 51.35           | 33.60        | 7.98            | 7.83 | 5.4               | 3.80            | 89.8  |
| 6        | 10/28/2011 14:46:19 | 11.07  | 51.42           | 33.64        | 7.90            | 7.82 | 5.5               | 3.68            | 88.8  |
| 7        | 10/28/2011 15:01:18 | 11.53  | 51.10           | 33.43        | 8.04            | 7.85 | 6.7               | 3.55            | 91.1  |
| 8        | 10/28/2011 15:16:19 | 11.54  | 51.17           | 33.48        | 7.98            | 7.84 | 7.1               | 3.41            | 90.5  |
| 9        | 10/28/2011 15:31:18 | 11.55  | 51.08           | 33.42        | 7.95            | 7.85 | 8.1               | 3.26            | 90.1  |
| 10       | 10/28/2011 15:46:18 | 11.72  | 51.06           | 33.41        | 7.99            | 7.85 | 6.7               | 3.13            | 90.9  |
| 11       | 10/28/2011 16:01:18 | 11.88  | 51.05           | 33.41        | 8.16            | 7.86 | 6.8               | 2.97            | 93.2  |
| 12       | 10/28/2011 16:16:18 | 12.06  | 50.93           | 33.34        | 8.21            | 7.87 | 8.6               | 2.81            | 94.1  |
| 13       | 10/28/2011 16:31:18 | 11.85  | 51.09           | 33.44        | 8.31            | 7.87 | 7.5               | 2.66            | 94.8  |
| 14       | 10/28/2011 16:46:18 | 11.96  | 51.06           | 33.42        | 8.32            | 7.87 | 7.6               | 2.50            | 95.1  |
| 15       | 10/28/2011 17:01:18 | 12.30  | 50.87           | 33.30        | 8.34            | 7.88 | 7.7               | 2.32            | 96.0  |
| 16       | 10/28/2011 17:16:19 | 12.64  | 50.63           | 33.14        | 8.43            | 7.89 | 10.0              | 2.16            | 97.6  |
| 17       | 10/28/2011 17:31:18 | 12.81  | 50.39           | 32.97        | 8.56            | 7.91 | 12.5              | 1.98            | 99.4  |
| 18       | 10/28/2011 17:46:18 | 12.77  | 50.39           | 32.98        | 8.60            | 7.91 | 12.9              | 1.80            | 99.8  |
| 19       | 10/28/2011 18:01:18 | 12.91  | 50.36           | 32.96        | 8.70            | 7.92 | 14.7              | 1.62            | 101.2 |
| 20       | 10/28/2011 18:16:19 | 13.00  | 50.41           | 33.00        | 8.60            | 7.90 | 12.9              | 1.44            | 100.3 |
| 21       | 10/28/2011 18:31:19 | 13.05  | 50.38           | 32.98        | 8.59            | 7.90 | 14.0              | 1.27            | 100.3 |
| 22       | 10/28/2011 18:46:19 | 13.13  | 50.34           | 32.95        | 8.61            | 7.91 | 14.4              | 1.10            | 100.6 |
| 23       | 10/28/2011 19:01:19 | 13.26  | 50.11           | 32.79        | 8.73            | 7.92 | 13.7              | 0.94            | 102.1 |
| 24       | 10/28/2011 19:16:18 | 13.32  | 49.81           | 32.57        | 8.81            | 7.93 | 11.8              | 0.80            | 103.1 |
| 25       | 10/28/2011 19:31:18 | 13.17  | 50.08           | 32.77        | 8.67            | 7.92 | 11.0              | 0.73            | 101.3 |
| 26       | 10/28/2011 19:46:18 | 13.29  | 49.90           | 32.64        | 8.81            | 7.93 | 10.6              | 0.71            | 103.1 |
| 27       | 10/28/2011 20:01:18 | 13.38  | 49.92           | 32.66        | 8.93            | 7.95 | 9.3               | 0.76            | 104.7 |
| 28       | 10/28/2011 20:16:19 | 13.40  | 49.69           | 32.49        | 9.07            | 7.95 | 8.7               | 0.86            | 106.3 |
| 29       | 10/28/2011 20:31:18 | 13.41  | 49.86           | 32.61        | 9.03            | 7.96 | 14.5              | 0.98            | 105.9 |
| 30       | 10/28/2011 20:46:19 | 13.43  | 49.82           | 32.59        | 9.05            | 7.96 | 10.4              | 1.09            | 106.2 |
| 31       | 10/28/2011 21:01:19 | 13.41  | 49.79           | 32.57        | 9.04            | 7.95 | 10.5              | 1.18            | 105.9 |
| 32       | 10/28/2011 21:16:18 | 13.18  | 49.63           | 32.44        | 8.87            | 7.93 | 9.8               | 1.26            | 103.5 |
| 33       | 10/28/2011 21:31:19 | 13.11  | 49.46           | 32.31        | 8.77            | 7.91 | 9.0               | 1.33            | 102.1 |
| 34       | 10/28/2011 21:46:19 | 13.26  | 49.68           | 32.48        | 8.85            | 7.92 | 8.6               | 1.42            | 103.4 |
| 35       | 10/28/2011 22:01:18 | 13.17  | 49.64           | 32.44        | 8.78            | 7.91 | 8.9               | 1.51            | 102.3 |
| 36       | 10/28/2011 22:16:19 | 13.16  | 49.81           | 32.57        | 8.80            | 7.91 | 9.1               | 1.61            | 102.6 |
| 37       | 10/28/2011 22:31:18 | 13.15  | 49.85           | 32.59        | 8.78            | 7.92 | 8.0               | 1.73            | 102.4 |
| 38       | 10/28/2011 22:46:18 | 13.15  | 49.85           | 32.59        | 8.77            | 7.91 | 8.7               | 1.85            | 102.3 |
| 39       | 10/28/2011 23:01:18 | 13.08  | 50.02           | 32.72        | 8.66            | 7.90 | 9.6               | 1.97            | 100.9 |
| 40       | 10/28/2011 23:16:18 | 13.05  | 50.07           | 32.75        | 8.60            | 7.90 | 9.5               | 2.09            | 100.2 |
| 41       | 10/28/2011 23:31:18 | 13.05  | 50.23           | 32.87        | 8.61            | 7.90 | 9.4               | 2.22            | 100.4 |
| 42       | 10/28/2011 23:46:19 | 13.01  | 50.32           | 32.93        | 8.58            | 7.89 | 10.7              | 2.35            | 100.0 |
| 43       | 10/29/2011 00:01:19 | 12.91  | 50.35           | 32.95        | 8.51            | 7.88 | 11.3              | 2.46            | 99.0  |
| 44       | 10/29/2011 00:16:18 | 12.82  | 50.17           | 32.82        | 8.44            | 7.88 | 12.0              | 2.58            | 98.0  |
| 45       | 10/29/2011 00:31:18 | 12.74  | 50.11           | 32.77        | 8.39            | 7.87 | 12.8              | 2.69            | 97.2  |
| 46       | 10/29/2011 00:46:18 | 12.55  | 50.11           | 32.76        | 8.31            | 7.86 | 16.7              | 2.79            | 95.8  |
| 47       | 10/29/2011 01:01:19 | 12.28  | 50.73           | 33.20        | 8.23            | 7.84 | 18.3              | 2.88            | 94.7  |
| 48       | 10/29/2011 01:16:19 | 11.93  | 50.80           | 33.23        | 8.20            | 7.83 | 15.7              | 2.97            | 93.6  |
| 49       | 10/29/2011 01:31:18 | 11.70  | 50.79           | 33.21        | 8.13            | 7.83 | 15.3              | 3.06            | 92.3  |
| 50       | 10/29/2011 01:46:18 | 11.52  | 51.00           | 33.36        | 8.06            | 7.83 | 14.3              | 3.14            | 91.3  |
| 51       | 10/29/2011 02:01:19 | 11.30  | 51.15           | 33.46        | 7.95            | 7.81 | 13.7              | 3.21            | 89.6  |
| 52       | 10/29/2011 02:16:19 | 11.08  | 51.24           | 33.51        | 7.75            | 7.76 | 9.9               | 3.27            | 87.0  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|------|
| 53       | 10/29/2011 02:31:19 | 10.99  | 51.23           | 33.49        | 7.65            | 7.75 | 7.8               | 3.33            | 85.8 |
| 54       | 10/29/2011 02:46:18 | 10.98  | 51.12           | 33.41        | 7.62            | 7.85 | 5.6               | 3.37            | 85.4 |
| 55       | 10/29/2011 03:01:18 | 11.17  | 50.93           | 33.29        | 7.68            | 7.85 | 5.9               | 3.38            | 86.3 |
| 56       | 10/29/2011 03:16:19 | 10.99  | 51.24           | 33.50        | 7.55            | 7.75 | 5.6               | 3.38            | 84.6 |
| 57       | 10/29/2011 03:31:19 | 10.96  | 51.16           | 33.45        | 7.59            | 7.75 | 6.4               | 3.34            | 85.0 |
| 58       | 10/29/2011 03:46:19 | 11.05  | 51.19           | 33.47        | 7.60            | 7.75 | 8.3               | 3.28            | 85.3 |
| 59       | 10/29/2011 04:01:18 | 11.50  | 50.84           | 33.24        | 7.81            | 7.82 | 8.6               | 3.21            | 88.4 |
| 60       | 10/29/2011 04:16:19 | 11.52  | 50.96           | 33.33        | 7.87            | 7.82 | 9.3               | 3.11            | 89.1 |
| 61       | 10/29/2011 04:31:19 | 11.38  | 50.99           | 33.35        | 7.88            | 7.81 | 7.8               | 3.02            | 89.0 |
| 62       | 10/29/2011 04:46:19 | 11.69  | 50.72           | 33.17        | 7.95            | 7.82 | 8.2               | 2.93            | 90.3 |
| 63       | 10/29/2011 05:01:18 | 11.95  | 50.45           | 32.98        | 8.01            | 7.84 | 9.0               | 2.83            | 91.3 |
| 64       | 10/29/2011 05:16:19 | 12.07  | 50.44           | 32.98        | 8.04            | 7.84 | 8.5               | 2.75            | 92.0 |
| 65       | 10/29/2011 05:31:18 | 12.14  | 50.56           | 33.07        | 8.04            | 7.84 | 8.0               | 2.66            | 92.1 |
| 66       | 10/29/2011 05:46:19 | 12.22  | 50.51           | 33.04        | 8.01            | 7.84 | 7.2               | 2.58            | 91.9 |
| 67       | 10/29/2011 06:01:19 | 12.12  | 50.62           | 33.11        | 8.01            | 7.83 | 6.8               | 2.50            | 91.7 |
| 68       | 10/29/2011 06:16:18 | 12.14  | 50.54           | 33.06        | 8.08            | 7.85 | 7.3               | 2.41            | 92.5 |
| 69       | 10/29/2011 06:31:19 | 12.22  | 50.48           | 33.02        | 8.09            | 7.85 | 6.8               | 2.35            | 92.8 |
| 70       | 10/29/2011 06:46:19 | 12.34  | 50.20           | 32.82        | 8.16            | 7.85 | 7.6               | 2.27            | 93.7 |
| 71       | 10/29/2011 07:01:18 | 12.29  | 50.16           | 32.78        | 8.13            | 7.85 | 7.1               | 2.22            | 93.3 |
| 72       | 10/29/2011 07:16:18 | 12.34  | 50.13           | 32.76        | 8.12            | 7.86 | 6.7               | 2.16            | 93.3 |
| 73       | 10/29/2011 07:31:18 | 12.42  | 49.94           | 32.63        | 8.14            | 7.86 | 6.2               | 2.14            | 93.6 |
| 74       | 10/29/2011 07:46:19 | 12.47  | 50.29           | 32.89        | 8.12            | 7.86 | 5.7               | 2.13            | 93.6 |
| 75       | 10/29/2011 08:01:18 | 12.45  | 50.04           | 32.70        | 8.13            | 7.86 | 5.6               | 2.13            | 93.6 |
| 76       | 10/29/2011 08:16:18 | 12.43  | 49.79           | 32.52        | 8.15            | 7.86 | 5.2               | 2.15            | 93.6 |
| 77       | 10/29/2011 08:31:18 | 12.42  | 50.05           | 32.71        | 8.16            | 7.86 | 5.4               | 2.19            | 93.9 |
| 78       | 10/29/2011 08:46:18 | 12.45  | 49.81           | 32.54        | 8.19            | 7.86 | 6.0               | 2.26            | 94.1 |
| 79       | 10/29/2011 09:01:18 | 12.42  | 49.90           | 32.60        | 8.19            | 7.86 | 6.1               | 2.33            | 94.1 |
| 80       | 10/29/2011 09:16:19 | 12.26  | 50.23           | 32.83        | 8.11            | 7.84 | 8.1               | 2.40            | 93.0 |
| 81       | 10/29/2011 09:31:18 | 12.25  | 49.98           | 32.65        | 8.11            | 7.85 | 7.4               | 2.49            | 92.9 |
| 82       | 10/29/2011 09:46:18 | 12.20  | 50.42           | 32.97        | 8.08            | 7.84 | 6.8               | 2.58            | 92.6 |
| 83       | 10/29/2011 10:01:19 | 12.12  | 50.45           | 32.99        | 8.04            | 7.78 | 7.2               | 2.66            | 92.1 |
| 84       | 10/29/2011 10:16:18 | 12.02  | 50.43           | 32.97        | 8.04            | 7.87 | 7.0               | 2.75            | 91.9 |
| 85       | 10/29/2011 10:31:19 | 11.95  | 50.71           | 33.17        | 8.08            | 7.78 | 7.0               | 2.84            | 92.3 |
| 86       | 10/29/2011 10:46:18 | 11.91  | 50.57           | 33.07        | 8.08            | 7.87 | 7.1               | 2.92            | 92.1 |
| 87       | 10/29/2011 11:01:18 | 11.86  | 50.69           | 33.15        | 8.07            | 7.87 | 8.1               | 3.02            | 92.0 |
| 88       | 10/29/2011 11:16:18 | 11.64  | 50.69           | 33.14        | 7.97            | 7.86 | 9.9               | 3.11            | 90.4 |
| 89       | 10/29/2011 11:31:18 | 11.50  | 50.64           | 33.10        | 7.91            | 7.81 | 9.6               | 3.22            | 89.4 |
| 90       | 10/29/2011 11:46:18 | 11.37  | 50.57           | 33.04        | 7.83            | 7.85 | 10.4              | 3.32            | 88.3 |
| 91       | 10/29/2011 12:01:18 | 11.10  | 50.96           | 33.30        | 7.70            | 7.85 | 10.7              | 3.41            | 86.5 |
| 92       | 10/29/2011 12:16:19 | 10.88  | 51.28           | 33.53        | 7.63            | 7.74 | 10.1              | 3.52            | 85.4 |
| 93       | 10/29/2011 12:31:19 | 10.80  | 51.14           | 33.42        | 7.62            | 7.74 | 10.0              | 3.62            | 85.0 |
| 94       | 10/29/2011 12:46:18 | 10.72  | 51.24           | 33.49        | 7.61            | 7.84 | 9.3               | 3.71            | 84.9 |
| 95       | 10/29/2011 13:01:18 | 10.67  | 51.20           | 33.46        | 7.61            | 7.84 | 7.6               | 3.78            | 84.8 |
| 96       | 10/29/2011 13:16:18 | 10.65  | 51.13           | 33.40        | 7.60            | 7.84 | 6.2               | 3.86            | 84.6 |
| 97       | 10/29/2011 13:31:18 | 10.63  | 51.38           | 33.58        | 7.58            | 7.84 | 4.9               | 3.91            | 84.4 |
| 98       | 10/29/2011 13:46:18 | 10.64  | 51.20           | 33.45        | 7.56            | 7.84 | 4.6               | 3.95            | 84.1 |
| 99       | 10/29/2011 14:01:18 | 10.63  | 51.14           | 33.41        | 7.51            | 7.83 | 3.9               | 3.98            | 83.5 |
| 100      | 10/29/2011 14:16:19 | 10.81  | 51.40           | 33.61        | 7.58            | 7.73 | 4.7               | 3.97            | 84.7 |
| 101      | 10/29/2011 14:31:19 | 10.67  | 51.04           | 33.34        | 7.51            | 7.73 | 4.9               | 3.95            | 83.5 |
| 102      | 10/29/2011 14:46:18 | 11.02  | 51.05           | 33.36        | 7.80            | 7.85 | 5.6               | 3.89            | 87.4 |
| 103      | 10/29/2011 15:01:19 | 11.01  | 51.15           | 33.44        | 7.75            | 7.75 | 6.8               | 3.82            | 86.9 |
| 104      | 10/29/2011 15:16:18 | 11.48  | 51.00           | 33.36        | 8.18            | 7.88 | 5.5               | 3.71            | 92.6 |
| 105      | 10/29/2011 15:31:18 | 11.33  | 51.03           | 33.37        | 8.01            | 7.87 | 5.2               | 3.60            | 90.3 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 106      | 10/29/2011 15:46:18 | 11.60  | 50.99           | 33.36        | 8.26            | 7.88 | 5.4               | 3.48            | 93.7  |
| 107      | 10/29/2011 16:01:19 | 11.48  | 51.17           | 33.48        | 8.11            | 7.78 | 8.2               | 3.35            | 91.8  |
| 108      | 10/29/2011 16:16:18 | 11.62  | 50.57           | 33.05        | 8.16            | 7.88 | 9.3               | 3.21            | 92.4  |
| 109      | 10/29/2011 16:31:19 | 11.72  | 51.03           | 33.39        | 8.22            | 7.83 | 9.3               | 3.09            | 93.5  |
| 110      | 10/29/2011 16:46:19 | 11.91  | 50.82           | 33.25        | 8.37            | 7.79 | 9.7               | 2.94            | 95.6  |
| 111      | 10/29/2011 17:01:19 | 11.95  | 50.86           | 33.28        | 8.41            | 7.79 | 9.5               | 2.80            | 96.1  |
| 112      | 10/29/2011 17:16:18 | 11.84  | 50.84           | 33.26        | 8.46            | 7.89 | 9.2               | 2.66            | 96.5  |
| 113      | 10/29/2011 17:31:18 | 12.16  | 50.53           | 33.05        | 8.53            | 7.91 | 9.8               | 2.49            | 97.8  |
| 114      | 10/29/2011 17:46:19 | 12.24  | 50.54           | 33.06        | 8.59            | 7.81 | 10.6              | 2.33            | 98.6  |
| 115      | 10/29/2011 18:01:18 | 12.43  | 50.48           | 33.03        | 8.60            | 7.91 | 10.1              | 2.17            | 99.1  |
| 116      | 10/29/2011 18:16:18 | 12.54  | 50.35           | 32.94        | 8.65            | 7.87 | 10.6              | 2.02            | 99.9  |
| 117      | 10/29/2011 18:31:18 | 12.63  | 50.20           | 32.83        | 8.65            | 7.92 | 11.4              | 1.84            | 99.9  |
| 118      | 10/29/2011 18:46:19 | 12.90  | 50.23           | 32.86        | 8.84            | 7.85 | 14.7              | 1.67            | 102.8 |
| 119      | 10/29/2011 19:01:19 | 12.94  | 50.23           | 32.86        | 8.88            | 7.84 | 13.4              | 1.51            | 103.3 |
| 120      | 10/29/2011 19:16:18 | 13.07  | 50.08           | 32.76        | 8.91            | 7.90 | 14.3              | 1.34            | 103.8 |
| 121      | 10/29/2011 19:31:19 | 13.12  | 50.17           | 32.82        | 8.89            | 7.85 | 13.2              | 1.18            | 103.8 |
| 122      | 10/29/2011 19:46:18 | 13.20  | 50.00           | 32.71        | 8.92            | 7.95 | 12.1              | 1.03            | 104.2 |
| 123      | 10/29/2011 20:01:19 | 13.24  | 49.96           | 32.68        | 8.94            | 7.86 | 11.2              | 0.90            | 104.5 |
| 124      | 10/29/2011 20:16:18 | 13.31  | 49.92           | 32.65        | 9.02            | 7.92 | 9.6               | 0.81            | 105.5 |
| 125      | 10/29/2011 20:31:18 | 13.31  | 50.04           | 32.74        | 8.96            | 7.92 | 9.3               | 0.79            | 104.9 |
| 126      | 10/29/2011 20:46:18 | 13.52  | 49.76           | 32.54        | 9.26            | 7.98 | 8.8               | 0.83            | 108.8 |
| 127      | 10/29/2011 21:01:18 | 13.56  | 49.71           | 32.51        | 9.38            | 7.99 | 7.9               | 0.91            | 110.3 |
| 128      | 10/29/2011 21:16:18 | 13.53  | 49.76           | 32.54        | 9.36            | 7.99 | 7.4               | 1.02            | 110.0 |
| 129      | 10/29/2011 21:31:18 | 13.52  | 49.53           | 32.37        | 9.41            | 7.99 | 7.1               | 1.12            | 110.4 |
| 130      | 10/29/2011 21:46:18 | 13.51  | 49.86           | 32.62        | 9.38            | 7.95 | 7.0               | 1.20            | 110.2 |
| 131      | 10/29/2011 22:01:19 | 13.38  | 49.52           | 32.37        | 9.17            | 7.86 | 7.1               | 1.28            | 107.3 |
| 132      | 10/29/2011 22:16:19 | 13.35  | 49.68           | 32.48        | 9.09            | 7.85 | 7.3               | 1.36            | 106.4 |
| 133      | 10/29/2011 22:31:19 | 13.37  | 49.88           | 32.63        | 9.15            | 7.87 | 6.9               | 1.43            | 107.2 |
| 134      | 10/29/2011 22:46:19 | 13.32  | 49.76           | 32.54        | 9.07            | 7.86 | 7.5               | 1.51            | 106.2 |
| 135      | 10/29/2011 23:01:19 | 13.24  | 49.89           | 32.63        | 9.08            | 7.86 | 7.8               | 1.62            | 106.1 |
| 136      | 10/29/2011 23:16:19 | 13.19  | 50.01           | 32.71        | 9.06            | 7.85 | 7.6               | 1.72            | 105.8 |
| 137      | 10/29/2011 23:31:19 | 13.14  | 49.97           | 32.68        | 9.03            | 7.85 | 7.5               | 1.83            | 105.3 |
| 138      | 10/29/2011 23:46:18 | 13.05  | 49.99           | 32.70        | 8.90            | 7.94 | 8.1               | 1.94            | 103.6 |
| 139      | 10/30/2011 00:01:19 | 13.00  | 50.13           | 32.79        | 8.81            | 7.83 | 7.9               | 2.06            | 102.6 |
| 140      | 10/30/2011 00:16:18 | 13.02  | 50.07           | 32.75        | 8.82            | 7.93 | 7.9               | 2.19            | 102.7 |
| 141      | 10/30/2011 00:31:18 | 13.02  | 49.99           | 32.69        | 8.84            | 7.89 | 8.6               | 2.30            | 102.9 |
| 142      | 10/30/2011 00:46:19 | 12.94  | 50.25           | 32.88        | 8.78            | 7.83 | 9.4               | 2.41            | 102.2 |
| 143      | 10/30/2011 01:01:18 | 12.85  | 50.24           | 32.87        | 8.73            | 7.92 | 9.4               | 2.52            | 101.3 |
| 144      | 10/30/2011 01:16:19 | 12.74  | 50.54           | 33.08        | 8.64            | 7.81 | 11.4              | 2.63            | 100.2 |
| 145      | 10/30/2011 01:31:18 | 12.62  | 50.34           | 32.93        | 8.57            | 7.91 | 12.1              | 2.72            | 99.1  |
| 146      | 10/30/2011 01:46:18 | 12.45  | 50.36           | 32.94        | 8.47            | 7.90 | 13.5              | 2.81            | 97.6  |
| 147      | 10/30/2011 02:01:18 | 12.18  | 50.51           | 33.04        | 8.38            | 7.88 | 14.0              | 2.90            | 96.1  |
| 148      | 10/30/2011 02:16:18 | 11.86  | 50.71           | 33.17        | 8.29            | 7.87 | 12.3              | 2.98            | 94.5  |
| 149      | 10/30/2011 02:31:19 | 11.66  | 50.91           | 33.30        | 8.20            | 7.76 | 12.5              | 3.06            | 93.2  |
| 150      | 10/30/2011 02:46:19 | 11.46  | 51.11           | 33.43        | 8.08            | 7.80 | 11.0              | 3.13            | 91.5  |
| 151      | 10/30/2011 03:01:19 | 11.38  | 51.16           | 33.47        | 8.00            | 7.79 | 9.5               | 3.20            | 90.5  |
| 152      | 10/30/2011 03:16:19 | 11.32  | 51.07           | 33.40        | 7.93            | 7.79 | 8.3               | 3.26            | 89.5  |
| 153      | 10/30/2011 03:31:18 | 11.28  | 50.78           | 33.19        | 7.82            | 7.79 | 6.8               | 3.30            | 88.0  |
| 154      | 10/30/2011 03:46:18 | 11.20  | 51.01           | 33.35        | 7.68            | 7.79 | 4.8               | 3.33            | 86.4  |
| 155      | 10/30/2011 04:01:18 | 11.45  | 50.57           | 33.04        | 7.87            | 7.86 | 4.5               | 3.34            | 88.9  |
| 156      | 10/30/2011 04:16:18 | 11.24  | 50.89           | 33.26        | 7.66            | 7.84 | 5.8               | 3.33            | 86.2  |
| 157      | 10/30/2011 04:31:19 | 11.24  | 51.05           | 33.38        | 7.67            | 7.74 | 6.1               | 3.28            | 86.4  |
| 158      | 10/30/2011 04:46:19 | 11.30  | 51.04           | 33.38        | 7.71            | 7.78 | 7.6               | 3.22            | 86.9  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%  |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |      |
| 159      | 10/30/2011 05:01:19 | 11.47  | 51.04  | 33.39        | 7.83    | 7.74 | 8.1        | 3.15   | 88.7 |
| 160      | 10/30/2011 05:16:19 | 11.75  | 50.89  | 33.29        | 8.00    | 7.75 | 7.3        | 3.08   | 91.0 |
| 161      | 10/30/2011 05:31:18 | 11.56  | 50.69  | 33.14        | 7.95    | 7.85 | 6.7        | 2.99   | 90.0 |
| 162      | 10/30/2011 05:46:19 | 11.79  | 50.98  | 33.36        | 7.96    | 7.76 | 6.9        | 2.89   | 90.7 |
| 163      | 10/30/2011 06:01:19 | 12.05  | 50.58  | 33.08        | 8.08    | 7.77 | 7.6        | 2.82   | 92.4 |
| 164      | 10/30/2011 06:16:19 | 12.39  | 50.52  | 33.05        | 8.15    | 7.78 | 6.8        | 2.74   | 93.9 |
| 165      | 10/30/2011 06:31:19 | 12.39  | 50.49  | 33.03        | 8.20    | 7.78 | 6.7        | 2.65   | 94.4 |
| 166      | 10/30/2011 06:46:18 | 12.48  | 50.43  | 32.99        | 8.21    | 7.88 | 6.3        | 2.58   | 94.7 |
| 167      | 10/30/2011 07:01:19 | 12.54  | 50.60  | 33.12        | 8.15    | 7.78 | 6.3        | 2.51   | 94.2 |
| 168      | 10/30/2011 07:16:18 | 12.47  | 50.19  | 32.81        | 8.13    | 7.88 | 5.9        | 2.46   | 93.6 |
| 169      | 10/30/2011 07:31:19 | 12.51  | 50.61  | 33.12        | 8.24    | 7.78 | 6.4        | 2.39   | 95.2 |
| 170      | 10/30/2011 07:46:19 | 12.64  | 50.36  | 32.95        | 8.27    | 7.79 | 6.3        | 2.33   | 95.7 |
| 171      | 10/30/2011 08:01:19 | 12.67  | 50.46  | 33.02        | 8.25    | 7.79 | 5.8        | 2.29   | 95.6 |
| 172      | 10/30/2011 08:16:19 | 12.77  | 50.38  | 32.97        | 8.29    | 7.79 | 5.6        | 2.25   | 96.2 |
| 173      | 10/30/2011 08:31:18 | 12.88  | 49.98  | 32.68        | 8.31    | 7.90 | 5.3        | 2.23   | 96.5 |
| 174      | 10/30/2011 08:46:18 | 12.98  | 49.99  | 32.69        | 8.31    | 7.90 | 5.1        | 2.21   | 96.6 |
| 175      | 10/30/2011 09:01:18 | 12.99  | 50.16  | 32.82        | 8.20    | 7.89 | 4.5        | 2.23   | 95.5 |
| 176      | 10/30/2011 09:16:18 | 12.90  | 50.12  | 32.78        | 8.28    | 7.89 | 4.8        | 2.26   | 96.2 |
| 177      | 10/30/2011 09:31:18 | 12.87  | 50.17  | 32.82        | 8.29    | 7.89 | 5.1        | 2.29   | 96.3 |
| 178      | 10/30/2011 09:46:18 | 12.87  | 50.02  | 32.71        | 8.36    | 7.90 | 5.0        | 2.34   | 97.0 |
| 179      | 10/30/2011 10:01:18 | 12.81  | 50.21  | 32.84        | 8.33    | 7.89 | 6.0        | 2.41   | 96.6 |
| 180      | 10/30/2011 10:16:18 | 12.80  | 50.15  | 32.80        | 8.26    | 7.88 | 6.8        | 2.48   | 95.8 |
| 181      | 10/30/2011 10:31:19 | 12.69  | 50.41  | 32.99        | 8.27    | 7.78 | 6.7        | 2.56   | 95.8 |
| 182      | 10/30/2011 10:46:19 | 12.57  | 50.60  | 33.12        | 8.25    | 7.78 | 6.2        | 2.64   | 95.4 |
| 183      | 10/30/2011 11:01:19 | 12.42  | 50.47  | 33.02        | 8.19    | 7.81 | 6.3        | 2.72   | 94.4 |
| 184      | 10/30/2011 11:16:19 | 12.14  | 50.54  | 33.05        | 8.14    | 7.81 | 6.3        | 2.80   | 93.2 |
| 185      | 10/30/2011 11:31:19 | 12.02  | 50.78  | 33.22        | 8.12    | 7.81 | 6.0        | 2.88   | 92.8 |
| 186      | 10/30/2011 11:46:19 | 11.96  | 50.76  | 33.21        | 8.12    | 7.81 | 6.7        | 2.97   | 92.7 |
| 187      | 10/30/2011 12:01:18 | 11.88  | 50.73  | 33.18        | 8.07    | 7.81 | 6.8        | 3.04   | 92.0 |
| 188      | 10/30/2011 12:16:18 | 11.73  | 50.72  | 33.17        | 8.00    | 7.80 | 6.8        | 3.13   | 90.9 |
| 189      | 10/30/2011 12:31:19 | 11.59  | 51.18  | 33.50        | 7.87    | 7.79 | 7.1        | 3.22   | 89.3 |
| 190      | 10/30/2011 12:46:19 | 11.51  | 51.00  | 33.36        | 7.82    | 7.78 | 7.3        | 3.30   | 88.6 |
| 191      | 10/30/2011 13:01:19 | 11.34  | 51.04  | 33.38        | 7.70    | 7.78 | 7.6        | 3.39   | 86.9 |
| 192      | 10/30/2011 13:16:19 | 11.17  | 51.19  | 33.48        | 7.59    | 7.77 | 7.2        | 3.48   | 85.4 |
| 193      | 10/30/2011 13:31:19 | 11.04  | 51.25  | 33.51        | 7.52    | 7.77 | 6.7        | 3.56   | 84.3 |
| 194      | 10/30/2011 13:46:19 | 10.99  | 51.25  | 33.51        | 7.48    | 7.76 | 5.7        | 3.63   | 83.9 |
| 195      | 10/30/2011 14:01:19 | 10.92  | 51.33  | 33.56        | 7.46    | 7.76 | 5.4        | 3.69   | 83.5 |
| 196      | 10/30/2011 14:16:18 | 10.86  | 51.20  | 33.46        | 7.46    | 7.77 | 4.5        | 3.74   | 83.4 |
| 197      | 10/30/2011 14:31:18 | 10.88  | 51.29  | 33.53        | 7.44    | 7.77 | 3.6        | 3.78   | 83.3 |
| 198      | 10/30/2011 14:46:19 | 10.84  | 51.26  | 33.51        | 7.36    | 7.76 | 3.5        | 3.81   | 82.3 |
| 199      | 10/30/2011 15:01:19 | 10.98  | 51.31  | 33.56        | 7.42    | 7.77 | 3.6        | 3.81   | 83.2 |
| 200      | 10/30/2011 15:16:19 | 10.89  | 51.46  | 33.66        | 7.33    | 7.76 | 3.7        | 3.79   | 82.1 |
| 201      | 10/30/2011 15:31:19 | 10.92  | 51.30  | 33.54        | 7.35    | 7.76 | 4.9        | 3.75   | 82.3 |
| 202      | 10/30/2011 15:46:19 | 11.04  | 51.32  | 33.57        | 7.47    | 7.77 | 5.2        | 3.68   | 83.9 |
| 203      | 10/30/2011 16:01:19 | 11.48  | 51.25  | 33.54        | 7.93    | 7.80 | 6.0        | 3.59   | 89.9 |
| 204      | 10/30/2011 16:16:19 | 11.46  | 50.92  | 33.30        | 8.08    | 7.81 | 4.8        | 3.50   | 91.4 |
| 205      | 10/30/2011 16:31:19 | 11.62  | 51.24  | 33.54        | 8.07    | 7.81 | 4.8        | 3.39   | 91.7 |
| 206      | 10/30/2011 16:46:19 | 11.99  | 50.84  | 33.27        | 8.26    | 7.83 | 5.5        | 3.27   | 94.4 |
| 207      | 10/30/2011 17:01:18 | 12.11  | 50.85  | 33.28        | 8.39    | 7.84 | 5.6        | 3.15   | 96.2 |
| 208      | 10/30/2011 17:16:19 | 12.01  | 50.90  | 33.31        | 8.25    | 7.82 | 5.7        | 3.03   | 94.4 |
| 209      | 10/30/2011 17:31:19 | 12.17  | 51.00  | 33.39        | 8.32    | 7.83 | 6.2        | 2.91   | 95.6 |
| 210      | 10/30/2011 17:46:19 | 12.22  | 51.00  | 33.39        | 8.31    | 7.83 | 7.0        | 2.78   | 95.6 |
| 211      | 10/30/2011 18:01:19 | 12.02  | 51.09  | 33.45        | 8.18    | 7.81 | 6.2        | 2.65   | 93.7 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 212      | 10/30/2011 18:16:19 | 12.35  | 50.71           | 33.19        | 8.26            | 7.83 | 7.1               | 2.51            | 95.1  |
| 213      | 10/30/2011 18:31:19 | 12.36  | 50.71           | 33.19        | 8.20            | 7.82 | 6.7               | 2.37            | 94.5  |
| 214      | 10/30/2011 18:46:19 | 12.38  | 50.81           | 33.26        | 8.34            | 7.82 | 8.5               | 2.23            | 96.2  |
| 215      | 10/30/2011 19:01:19 | 12.81  | 50.72           | 33.22        | 8.43            | 7.84 | 9.4               | 2.08            | 98.0  |
| 216      | 10/30/2011 19:16:19 | 12.78  | 50.55           | 33.09        | 8.46            | 7.84 | 10.4              | 1.94            | 98.3  |
| 217      | 10/30/2011 19:31:19 | 12.97  | 50.60           | 33.13        | 8.55            | 7.85 | 10.7              | 1.78            | 99.7  |
| 218      | 10/30/2011 19:46:19 | 13.18  | 50.52           | 33.08        | 8.67            | 7.87 | 11.1              | 1.61            | 101.4 |
| 219      | 10/30/2011 20:01:19 | 13.20  | 50.41           | 33.00        | 8.68            | 7.82 | 10.3              | 1.47            | 101.6 |
| 220      | 10/30/2011 20:16:19 | 13.29  | 50.44           | 33.03        | 8.70            | 7.87 | 10.0              | 1.33            | 102.0 |
| 221      | 10/30/2011 20:31:19 | 13.40  | 50.36           | 32.98        | 8.73            | 7.83 | 9.4               | 1.20            | 102.6 |
| 222      | 10/30/2011 20:46:18 | 13.48  | 50.14           | 32.82        | 8.75            | 7.94 | 9.5               | 1.10            | 102.9 |
| 223      | 10/30/2011 21:01:19 | 13.57  | 50.35           | 32.97        | 8.76            | 7.83 | 8.7               | 1.01            | 103.3 |
| 224      | 10/30/2011 21:16:18 | 13.60  | 49.79           | 32.57        | 8.78            | 7.94 | 8.1               | 0.97            | 103.3 |
| 225      | 10/30/2011 21:31:18 | 13.72  | 49.89           | 32.65        | 8.74            | 7.95 | 7.3               | 0.97            | 103.2 |
| 226      | 10/30/2011 21:46:18 | 13.99  | 50.01           | 32.74        | 9.03            | 7.96 | 7.3               | 1.01            | 107.3 |
| 227      | 10/30/2011 22:01:18 | 13.90  | 49.68           | 32.50        | 9.00            | 7.96 | 7.0               | 1.09            | 106.5 |
| 228      | 10/30/2011 22:16:19 | 13.88  | 50.15           | 32.84        | 9.01            | 7.86 | 6.5               | 1.17            | 106.8 |
| 229      | 10/30/2011 22:31:18 | 13.86  | 50.01           | 32.74        | 9.02            | 7.96 | 6.8               | 1.25            | 106.9 |
| 230      | 10/30/2011 22:46:18 | 13.82  | 50.02           | 32.74        | 9.01            | 7.96 | 6.5               | 1.33            | 106.6 |
| 231      | 10/30/2011 23:01:19 | 13.82  | 49.62           | 32.45        | 8.85            | 7.87 | 6.7               | 1.41            | 104.5 |
| 232      | 10/30/2011 23:16:19 | 13.75  | 50.08           | 32.79        | 8.86            | 7.88 | 6.3               | 1.47            | 104.8 |
| 233      | 10/30/2011 23:31:18 | 13.70  | 49.65           | 32.47        | 8.85            | 7.88 | 6.5               | 1.56            | 104.3 |
| 234      | 10/30/2011 23:46:18 | 13.69  | 49.73           | 32.53        | 8.82            | 7.88 | 6.8               | 1.64            | 104.0 |
| 235      | 10/31/2011 00:01:19 | 13.58  | 49.99           | 32.71        | 8.82            | 7.87 | 7.1               | 1.73            | 103.9 |
| 236      | 10/31/2011 00:16:18 | 13.51  | 50.07           | 32.77        | 8.82            | 7.88 | 6.8               | 1.83            | 103.7 |
| 237      | 10/31/2011 00:31:18 | 13.44  | 50.12           | 32.81        | 8.80            | 7.87 | 6.7               | 1.93            | 103.4 |
| 238      | 10/31/2011 00:46:18 | 13.33  | 50.11           | 32.79        | 8.75            | 7.87 | 6.7               | 2.04            | 102.6 |
| 239      | 10/31/2011 01:01:19 | 13.23  | 50.33           | 32.95        | 8.68            | 7.86 | 7.0               | 2.14            | 101.7 |
| 240      | 10/31/2011 01:16:19 | 13.17  | 50.56           | 33.11        | 8.67            | 7.86 | 6.7               | 2.25            | 101.5 |
| 241      | 10/31/2011 01:31:19 | 13.14  | 50.48           | 33.06        | 8.67            | 7.86 | 7.0               | 2.36            | 101.4 |
| 242      | 10/31/2011 01:46:19 | 13.06  | 50.44           | 33.02        | 8.66            | 7.85 | 7.6               | 2.46            | 101.0 |
| 243      | 10/31/2011 02:01:18 | 12.97  | 50.43           | 33.01        | 8.62            | 7.86 | 7.4               | 2.56            | 100.5 |
| 244      | 10/31/2011 02:16:18 | 12.86  | 50.39           | 32.98        | 8.56            | 7.85 | 7.8               | 2.65            | 99.5  |
| 245      | 10/31/2011 02:31:19 | 12.76  | 50.62           | 33.14        | 8.50            | 7.84 | 8.4               | 2.74            | 98.7  |
| 246      | 10/31/2011 02:46:19 | 12.55  | 50.75           | 33.23        | 8.39            | 7.82 | 10.3              | 2.81            | 97.0  |
| 247      | 10/31/2011 03:01:19 | 12.39  | 50.70           | 33.18        | 8.32            | 7.82 | 9.9               | 2.89            | 95.9  |
| 248      | 10/31/2011 03:16:18 | 12.17  | 50.57           | 33.08        | 8.26            | 7.81 | 10.6              | 2.97            | 94.6  |
| 249      | 10/31/2011 03:31:19 | 11.91  | 50.93           | 33.33        | 8.15            | 7.80 | 8.4               | 3.03            | 93.0  |
| 250      | 10/31/2011 03:46:19 | 11.79  | 50.85           | 33.26        | 8.06            | 7.79 | 8.0               | 3.09            | 91.8  |
| 251      | 10/31/2011 04:01:19 | 11.73  | 50.85           | 33.26        | 8.00            | 7.79 | 6.7               | 3.14            | 91.0  |
| 252      | 10/31/2011 04:16:18 | 11.66  | 51.02           | 33.38        | 7.97            | 7.79 | 6.5               | 3.20            | 90.5  |
| 253      | 10/31/2011 04:31:19 | 11.63  | 51.01           | 33.37        | 7.94            | 7.79 | 5.9               | 3.23            | 90.2  |
| 254      | 10/31/2011 04:46:19 | 11.61  | 51.12           | 33.45        | 7.87            | 7.78 | 4.3               | 3.26            | 89.3  |
| 255      | 10/31/2011 05:01:19 | 11.77  | 50.88           | 33.29        | 7.89            | 7.79 | 4.8               | 3.26            | 89.8  |
| 256      | 10/31/2011 05:16:19 | 11.71  | 50.88           | 33.28        | 7.90            | 7.79 | 5.1               | 3.24            | 89.8  |
| 257      | 10/31/2011 05:31:19 | 11.68  | 50.94           | 33.32        | 7.89            | 7.78 | 5.2               | 3.21            | 89.7  |
| 258      | 10/31/2011 05:46:19 | 11.73  | 50.91           | 33.30        | 7.90            | 7.79 | 6.3               | 3.16            | 89.9  |
| 259      | 10/31/2011 06:01:19 | 11.89  | 50.80           | 33.23        | 7.97            | 7.79 | 7.8               | 3.09            | 90.9  |
| 260      | 10/31/2011 06:16:19 | 11.91  | 50.98           | 33.37        | 8.00            | 7.79 | 7.9               | 3.02            | 91.3  |
| 261      | 10/31/2011 06:31:19 | 11.83  | 51.05           | 33.41        | 7.98            | 7.79 | 8.0               | 2.94            | 91.1  |
| 262      | 10/31/2011 06:46:19 | 11.89  | 50.73           | 33.18        | 8.01            | 7.79 | 7.4               | 2.86            | 91.3  |
| 263      | 10/31/2011 07:01:19 | 12.06  | 50.88           | 33.30        | 8.02            | 7.80 | 7.8               | 2.78            | 91.9  |
| 264      | 10/31/2011 07:16:19 | 12.20  | 50.89           | 33.32        | 8.10            | 7.80 | 7.5               | 2.71            | 93.1  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|------|
| 265      | 10/31/2011 07:31:19 | 12.32  | 50.82           | 33.27        | 8.10            | 7.80 | 8.1               | 2.64            | 93.3 |
| 266      | 10/31/2011 07:46:19 | 12.39  | 50.75           | 33.22        | 8.09            | 7.81 | 7.9               | 2.57            | 93.3 |
| 267      | 10/31/2011 08:01:18 | 12.47  | 50.56           | 33.08        | 8.09            | 7.81 | 7.8               | 2.52            | 93.4 |
| 268      | 10/31/2011 08:16:19 | 12.49  | 50.62           | 33.13        | 8.07            | 7.80 | 7.4               | 2.46            | 93.2 |
| 269      | 10/31/2011 08:31:19 | 12.48  | 50.58           | 33.10        | 8.13            | 7.80 | 6.7               | 2.40            | 93.8 |
| 270      | 10/31/2011 08:46:19 | 12.72  | 50.60           | 33.12        | 8.22            | 7.82 | 6.5               | 2.37            | 95.4 |
| 271      | 10/31/2011 09:01:19 | 12.91  | 50.54           | 33.09        | 8.28            | 7.83 | 6.7               | 2.33            | 96.4 |
| 272      | 10/31/2011 09:16:19 | 12.90  | 50.50           | 33.06        | 8.25            | 7.82 | 6.6               | 2.29            | 96.0 |
| 273      | 10/31/2011 09:31:18 | 12.96  | 50.27           | 32.89        | 8.28            | 7.83 | 6.4               | 2.28            | 96.4 |
| 274      | 10/31/2011 09:46:18 | 13.05  | 50.13           | 32.80        | 8.26            | 7.84 | 6.3               | 2.29            | 96.3 |
| 275      | 10/31/2011 10:01:18 | 13.06  | 50.20           | 32.85        | 8.27            | 7.84 | 6.1               | 2.30            | 96.5 |
| 276      | 10/31/2011 10:16:19 | 13.01  | 50.43           | 33.01        | 8.29            | 7.83 | 6.2               | 2.31            | 96.7 |
| 277      | 10/31/2011 10:31:19 | 12.97  | 50.52           | 33.08        | 8.28            | 7.82 | 6.6               | 2.35            | 96.6 |
| 278      | 10/31/2011 10:46:19 | 12.95  | 50.51           | 33.07        | 8.31            | 7.83 | 6.8               | 2.41            | 96.8 |
| 279      | 10/31/2011 11:01:19 | 12.88  | 50.54           | 33.09        | 8.30            | 7.82 | 6.6               | 2.46            | 96.6 |
| 280      | 10/31/2011 11:16:19 | 12.91  | 50.46           | 33.03        | 8.31            | 7.82 | 6.7               | 2.52            | 96.7 |
| 281      | 10/31/2011 11:31:19 | 12.86  | 50.17           | 32.82        | 8.31            | 7.82 | 7.6               | 2.59            | 96.5 |
| 282      | 10/31/2011 11:46:19 | 12.76  | 50.51           | 33.06        | 8.31            | 7.82 | 6.7               | 2.66            | 96.4 |
| 283      | 10/31/2011 12:01:19 | 12.63  | 50.54           | 33.08        | 8.25            | 7.81 | 6.6               | 2.73            | 95.5 |
| 284      | 10/31/2011 12:16:19 | 12.52  | 50.59           | 33.11        | 8.20            | 7.81 | 6.5               | 2.80            | 94.8 |
| 285      | 10/31/2011 12:31:19 | 12.23  | 50.76           | 33.22        | 8.17            | 7.80 | 6.2               | 2.87            | 93.8 |
| 286      | 10/31/2011 12:46:19 | 12.10  | 50.83           | 33.26        | 8.12            | 7.80 | 5.7               | 2.94            | 93.1 |
| 287      | 10/31/2011 13:01:19 | 12.00  | 50.89           | 33.30        | 8.07            | 7.79 | 5.3               | 3.01            | 92.3 |
| 288      | 10/31/2011 13:16:19 | 11.95  | 50.96           | 33.35        | 8.05            | 7.79 | 5.2               | 3.07            | 92.0 |
| 289      | 10/31/2011 13:31:19 | 11.95  | 50.88           | 33.29        | 8.08            | 7.80 | 5.3               | 3.14            | 92.3 |
| 290      | 10/31/2011 13:46:19 | 11.82  | 50.98           | 33.36        | 8.01            | 7.79 | 5.4               | 3.23            | 91.3 |
| 291      | 10/31/2011 14:01:19 | 11.67  | 51.19           | 33.51        | 7.91            | 7.78 | 5.4               | 3.28            | 89.9 |
| 292      | 10/31/2011 14:16:19 | 11.56  | 50.92           | 33.30        | 7.84            | 7.78 | 5.5               | 3.36            | 88.9 |
| 293      | 10/31/2011 14:31:18 | 11.45  | 51.14           | 33.46        | 7.79            | 7.78 | 5.4               | 3.42            | 88.2 |
| 294      | 10/31/2011 14:46:19 | 11.33  | 51.23           | 33.52        | 7.74            | 7.77 | 5.1               | 3.47            | 87.4 |
| 295      | 10/31/2011 15:01:19 | 11.24  | 51.31           | 33.57        | 7.69            | 7.77 | 4.2               | 3.53            | 86.7 |
| 296      | 10/31/2011 15:16:19 | 11.17  | 51.28           | 33.54        | 7.68            | 7.77 | 3.8               | 3.56            | 86.4 |
| 297      | 10/31/2011 15:31:19 | 11.14  | 51.23           | 33.50        | 7.63            | 7.77 | 3.2               | 3.59            | 85.9 |
| 298      | 10/31/2011 15:46:19 | 11.15  | 51.26           | 33.53        | 7.41            | 7.75 | 3.4               | 3.59            | 83.4 |
| 299      | 10/31/2011 16:01:19 | 11.16  | 51.32           | 33.58        | 7.58            | 7.76 | 3.5               | 3.58            | 85.3 |
| 300      | 10/31/2011 16:16:19 | 11.17  | 51.24           | 33.51        | 7.62            | 7.76 | 4.1               | 3.54            | 85.8 |
| 301      | 10/31/2011 16:31:19 | 11.52  | 51.37           | 33.63        | 7.89            | 7.79 | 8.0               | 3.48            | 89.5 |
| 302      | 10/31/2011 16:46:19 | 11.59  | 51.09           | 33.43        | 8.25            | 7.80 | 12.4              | 3.42            | 93.6 |
| 303      | 10/31/2011 17:01:19 | 11.55  | 51.12           | 33.45        | 8.27            | 7.80 | 12.2              | 3.34            | 93.8 |
| 304      | 10/31/2011 17:16:18 | 11.53  | 51.06           | 33.41        | 8.25            | 7.80 | 12.6              | 3.25            | 93.5 |
| 305      | 10/31/2011 17:31:19 | 11.55  | 51.07           | 33.41        | 8.24            | 7.80 | 13.4              | 3.15            | 93.5 |
| 306      | 10/31/2011 17:46:19 | 11.65  | 51.08           | 33.42        | 8.32            | 7.80 | 16.2              | 3.06            | 94.5 |
| 307      | 10/31/2011 18:01:18 | 11.88  | 50.83           | 33.26        | 8.37            | 7.82 | 17.8              | 2.97            | 95.5 |
| 308      | 10/31/2011 18:16:19 | 12.15  | 50.75           | 33.21        | 8.42            | 7.82 | 21.0              | 2.86            | 96.6 |
| 309      | 10/31/2011 18:31:19 | 12.22  | 50.73           | 33.20        | 8.39            | 7.81 | 27.8              | 2.75            | 96.3 |
| 310      | 10/31/2011 18:46:19 | 11.94  | 50.96           | 33.35        | 8.32            | 7.80 | 22.8              | 2.64            | 95.1 |
| 311      | 10/31/2011 19:01:19 | 11.89  | 51.09           | 33.44        | 8.35            | 7.81 | 22.4              | 2.53            | 95.4 |
| 312      | 10/31/2011 19:16:19 | 12.07  | 50.92           | 33.33        | 8.38            | 7.81 | 26.2              | 2.42            | 96.1 |
| 313      | 10/31/2011 19:31:19 | 12.23  | 50.84           | 33.28        | 8.41            | 7.82 | 28.9              | 2.28            | 96.7 |
| 314      | 10/31/2011 19:46:18 | 12.51  | 50.28           | 32.88        | 8.45            | 7.84 | 33.2              | 2.15            | 97.4 |
| 315      | 10/31/2011 20:01:18 | 12.59  | 50.44           | 33.00        | 8.47            | 7.84 | 37.4              | 2.02            | 97.9 |
| 316      | 10/31/2011 20:16:19 | 12.61  | 50.67           | 33.17        | 8.47            | 7.83 | 38.4              | 1.90            | 98.1 |
| 317      | 10/31/2011 20:31:19 | 12.34  | 50.64           | 33.14        | 8.48            | 7.83 | 36.2              | 1.76            | 97.6 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|------|
| 318      | 10/31/2011 20:46:19 | 12.60  | 50.51           | 33.05        | 8.49            | 7.83 | 37.3              | 1.63            | 98.2 |
| 319      | 10/31/2011 21:01:19 | 12.85  | 50.46           | 33.03        | 8.46            | 7.84 | 34.1              | 1.51            | 98.4 |
| 320      | 10/31/2011 21:16:19 | 12.98  | 50.51           | 33.07        | 8.46            | 7.84 | 29.8              | 1.39            | 98.6 |
| 321      | 10/31/2011 21:31:19 | 13.14  | 50.44           | 33.02        | 8.43            | 7.85 | 27.6              | 1.30            | 98.6 |
| 322      | 10/31/2011 21:46:18 | 13.32  | 49.93           | 32.66        | 8.41            | 7.85 | 26.7              | 1.21            | 98.4 |
| 323      | 10/31/2011 22:01:19 | 13.36  | 50.37           | 32.98        | 8.34            | 7.85 | 24.2              | 1.16            | 97.9 |
| 324      | 10/31/2011 22:16:19 | 13.42  | 50.11           | 32.79        | 8.35            | 7.85 | 22.6              | 1.13            | 98.1 |
| 325      | 10/31/2011 22:31:19 | 13.23  | 50.36           | 32.97        | 8.27            | 7.84 | 19.5              | 1.12            | 96.8 |
| 326      | 10/31/2011 22:46:19 | 13.52  | 48.22           | 31.43        | 8.34            | 7.85 | 23.9              | 1.13            | 97.3 |
| 327      | 10/31/2011 23:01:19 | 13.53  | 50.07           | 32.77        | 8.34            | 7.86 | 24.0              | 1.20            | 98.2 |
| 328      | 10/31/2011 23:16:18 | 13.41  | 47.16           | 30.65        | 8.45            | 7.86 | 22.6              | 1.25            | 98.0 |
| 329      | 10/31/2011 23:31:19 | 13.51  | 50.26           | 32.91        | 8.31            | 7.85 | 23.2              | 1.32            | 97.8 |
| 330      | 10/31/2011 23:46:19 | 13.51  | 50.25           | 32.90        | 8.30            | 7.85 | 23.0              | 1.38            | 97.7 |
| 331      | 11/1/2011 00:01:19  | 13.44  | 50.17           | 32.84        | 8.31            | 7.85 | 22.9              | 1.47            | 97.7 |
| 332      | 11/1/2011 00:16:19  | 13.39  | 50.09           | 32.78        | 8.35            | 7.84 | 19.0              | 1.54            | 97.9 |
| 333      | 11/1/2011 00:31:18  | 13.37  | 49.73           | 32.52        | 8.32            | 7.84 | 18.4              | 1.60            | 97.5 |
| 334      | 11/1/2011 00:46:18  | 13.39  | 49.91           | 32.65        | 8.34            | 7.85 | 20.3              | 1.70            | 97.8 |
| 335      | 11/1/2011 01:01:19  | 13.28  | 50.22           | 32.87        | 8.36            | 7.84 | 21.8              | 1.79            | 98.0 |
| 336      | 11/1/2011 01:16:19  | 13.20  | 50.16           | 32.82        | 8.38            | 7.84 | 18.1              | 1.88            | 97.9 |
| 337      | 11/1/2011 01:31:19  | 13.14  | 50.31           | 32.93        | 8.38            | 7.84 | 18.5              | 1.98            | 98.0 |
| 338      | 11/1/2011 01:46:19  | 13.08  | 50.28           | 32.91        | 8.40            | 7.84 | 19.1              | 2.06            | 98.0 |
| 339      | 11/1/2011 02:01:19  | 12.96  | 50.46           | 33.03        | 8.47            | 7.84 | 20.3              | 2.15            | 98.7 |
| 340      | 11/1/2011 02:16:19  | 12.89  | 50.58           | 33.12        | 8.52            | 7.85 | 19.5              | 2.26            | 99.2 |
| 341      | 11/1/2011 02:31:19  | 12.83  | 50.64           | 33.16        | 8.54            | 7.85 | 16.2              | 2.35            | 99.3 |
| 342      | 11/1/2011 02:46:19  | 12.77  | 50.46           | 33.02        | 8.54            | 7.85 | 15.1              | 2.44            | 99.1 |
| 343      | 11/1/2011 03:01:19  | 12.74  | 50.64           | 33.15        | 8.50            | 7.84 | 16.6              | 2.53            | 98.7 |
| 344      | 11/1/2011 03:16:19  | 12.64  | 50.61           | 33.13        | 8.43            | 7.83 | 22.0              | 2.62            | 97.7 |
| 345      | 11/1/2011 03:31:19  | 12.58  | 50.40           | 32.97        | 8.43            | 7.83 | 21.7              | 2.69            | 97.4 |
| 346      | 11/1/2011 03:46:19  | 12.49  | 50.61           | 33.12        | 8.41            | 7.83 | 21.3              | 2.76            | 97.1 |
| 347      | 11/1/2011 04:01:19  | 12.32  | 50.84           | 33.28        | 8.37            | 7.82 | 27.0              | 2.85            | 96.3 |
| 348      | 11/1/2011 04:16:19  | 12.19  | 50.67           | 33.15        | 8.37            | 7.81 | 21.5              | 2.91            | 96.0 |
| 349      | 11/1/2011 04:31:18  | 11.93  | 50.70           | 33.16        | 8.47            | 7.82 | 19.0              | 2.97            | 96.6 |
| 350      | 11/1/2011 04:46:18  | 11.69  | 50.79           | 33.22        | 8.56            | 7.81 | 14.3              | 3.00            | 97.2 |
| 351      | 11/1/2011 05:01:19  | 11.60  | 51.14           | 33.47        | 8.58            | 7.81 | 10.9              | 3.06            | 97.4 |
| 352      | 11/1/2011 05:16:19  | 11.52  | 51.23           | 33.53        | 8.58            | 7.81 | 7.9               | 3.10            | 97.4 |
| 353      | 11/1/2011 05:31:19  | 11.44  | 51.19           | 33.49        | 8.57            | 7.81 | 6.7               | 3.12            | 97.0 |
| 354      | 11/1/2011 05:46:19  | 11.42  | 51.15           | 33.46        | 8.50            | 7.81 | 5.4               | 3.15            | 96.2 |
| 355      | 11/1/2011 06:01:19  | 11.54  | 51.08           | 33.41        | 8.45            | 7.81 | 6.5               | 3.14            | 95.8 |
| 356      | 11/1/2011 06:16:19  | 11.40  | 51.08           | 33.41        | 8.52            | 7.80 | 7.1               | 3.13            | 96.4 |
| 357      | 11/1/2011 06:31:19  | 11.47  | 51.22           | 33.52        | 8.53            | 7.81 | 8.9               | 3.08            | 96.6 |
| 358      | 11/1/2011 06:46:19  | 11.70  | 50.81           | 33.23        | 8.37            | 7.81 | 7.9               | 3.04            | 95.1 |
| 359      | 11/1/2011 07:01:18  | 11.85  | 50.64           | 33.12        | 8.31            | 7.81 | 9.9               | 2.99            | 94.6 |
| 360      | 11/1/2011 07:16:18  | 11.85  | 50.62           | 33.10        | 8.31            | 7.81 | 10.1              | 2.93            | 94.6 |
| 361      | 11/1/2011 07:31:19  | 11.89  | 50.66           | 33.13        | 8.17            | 7.81 | 10.1              | 2.86            | 93.1 |
| 362      | 11/1/2011 07:46:19  | 11.87  | 50.85           | 33.27        | 8.15            | 7.80 | 9.6               | 2.80            | 92.9 |
| 363      | 11/1/2011 08:01:19  | 11.86  | 50.60           | 33.09        | 8.15            | 7.80 | 8.9               | 2.74            | 92.8 |
| 364      | 11/1/2011 08:16:19  | 11.78  | 50.90           | 33.30        | 8.14            | 7.80 | 8.0               | 2.69            | 92.7 |
| 365      | 11/1/2011 08:31:19  | 11.92  | 50.79           | 33.23        | 8.12            | 7.81 | 8.4               | 2.63            | 92.7 |
| 366      | 11/1/2011 08:46:19  | 11.99  | 50.77           | 33.22        | 8.13            | 7.81 | 8.2               | 2.58            | 92.9 |
| 367      | 11/1/2011 09:01:19  | 11.96  | 50.67           | 33.14        | 8.13            | 7.82 | 8.7               | 2.50            | 92.8 |
| 368      | 11/1/2011 09:16:19  | 11.98  | 50.62           | 33.11        | 8.15            | 7.82 | 8.4               | 2.45            | 93.0 |
| 369      | 11/1/2011 09:31:19  | 11.98  | 50.74           | 33.19        | 8.17            | 7.82 | 8.2               | 2.42            | 93.4 |
| 370      | 11/1/2011 09:46:19  | 12.07  | 50.52           | 33.04        | 8.18            | 7.82 | 8.8               | 2.36            | 93.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 371      | 11/1/2011 10:01:19 | 12.07  | 50.37           | 32.93        | 8.28            | 7.83 | 8.2               | 2.33            | 94.7  |
| 372      | 11/1/2011 10:16:19 | 12.10  | 50.48           | 33.01        | 8.36            | 7.83 | 8.0               | 2.31            | 95.7  |
| 373      | 11/1/2011 10:31:19 | 12.30  | 50.64           | 33.13        | 8.37            | 7.83 | 8.2               | 2.28            | 96.3  |
| 374      | 11/1/2011 10:46:19 | 12.39  | 50.58           | 33.09        | 8.34            | 7.83 | 8.2               | 2.26            | 96.0  |
| 375      | 11/1/2011 11:01:19 | 12.45  | 50.40           | 32.97        | 8.25            | 7.83 | 8.2               | 2.28            | 95.1  |
| 376      | 11/1/2011 11:16:19 | 12.41  | 50.61           | 33.12        | 8.30            | 7.83 | 7.1               | 2.27            | 95.7  |
| 377      | 11/1/2011 11:31:19 | 12.36  | 50.50           | 33.03        | 8.34            | 7.83 | 7.3               | 2.28            | 96.0  |
| 378      | 11/1/2011 11:46:19 | 12.34  | 50.46           | 33.01        | 8.31            | 7.83 | 7.4               | 2.31            | 95.6  |
| 379      | 11/1/2011 12:01:19 | 12.35  | 50.31           | 32.90        | 8.32            | 7.83 | 8.3               | 2.37            | 95.6  |
| 380      | 11/1/2011 12:16:19 | 12.42  | 50.67           | 33.16        | 8.29            | 7.83 | 8.2               | 2.41            | 95.6  |
| 381      | 11/1/2011 12:31:19 | 12.45  | 50.65           | 33.15        | 8.32            | 7.82 | 7.9               | 2.49            | 96.0  |
| 382      | 11/1/2011 12:46:19 | 12.44  | 50.51           | 33.05        | 8.32            | 7.82 | 7.9               | 2.55            | 95.9  |
| 383      | 11/1/2011 13:01:19 | 12.43  | 50.55           | 33.07        | 8.37            | 7.83 | 8.5               | 2.59            | 96.4  |
| 384      | 11/1/2011 13:16:19 | 12.37  | 50.56           | 33.08        | 8.38            | 7.82 | 8.0               | 2.66            | 96.4  |
| 385      | 11/1/2011 13:31:19 | 12.17  | 50.65           | 33.13        | 8.32            | 7.82 | 8.4               | 2.71            | 95.4  |
| 386      | 11/1/2011 13:46:19 | 12.02  | 50.85           | 33.27        | 8.36            | 7.81 | 8.4               | 2.77            | 95.6  |
| 387      | 11/1/2011 14:01:19 | 11.98  | 50.67           | 33.14        | 8.42            | 7.81 | 8.4               | 2.79            | 96.1  |
| 388      | 11/1/2011 14:16:18 | 11.87  | 50.75           | 33.20        | 8.52            | 7.82 | 8.6               | 2.88            | 97.1  |
| 389      | 11/1/2011 14:31:19 | 11.79  | 50.91           | 33.31        | 8.57            | 7.82 | 8.3               | 2.94            | 97.6  |
| 390      | 11/1/2011 14:46:19 | 11.73  | 51.07           | 33.42        | 8.60            | 7.82 | 7.4               | 2.99            | 97.9  |
| 391      | 11/1/2011 15:01:19 | 11.65  | 51.03           | 33.39        | 8.65            | 7.82 | 7.2               | 3.07            | 98.3  |
| 392      | 11/1/2011 15:16:19 | 11.54  | 50.97           | 33.34        | 8.74            | 7.82 | 7.5               | 3.11            | 99.1  |
| 393      | 11/1/2011 15:31:19 | 11.45  | 50.87           | 33.26        | 8.80            | 7.82 | 7.3               | 3.18            | 99.5  |
| 394      | 11/1/2011 15:46:18 | 11.37  | 50.89           | 33.27        | 8.85            | 7.82 | 6.8               | 3.22            | 99.9  |
| 395      | 11/1/2011 16:01:19 | 11.27  | 51.22           | 33.50        | 8.88            | 7.82 | 5.5               | 3.25            | 100.2 |
| 396      | 11/1/2011 16:16:19 | 11.24  | 51.24           | 33.52        | 8.86            | 7.81 | 5.3               | 3.28            | 99.9  |
| 397      | 11/1/2011 16:31:19 | 11.21  | 51.20           | 33.49        | 8.83            | 7.81 | 4.2               | 3.31            | 99.4  |
| 398      | 11/1/2011 16:46:19 | 11.20  | 51.20           | 33.49        | 8.54            | 7.80 | 4.2               | 3.31            | 96.2  |
| 399      | 11/1/2011 17:01:19 | 11.19  | 51.21           | 33.49        | 8.80            | 7.81 | 4.4               | 3.31            | 99.0  |
| 400      | 11/1/2011 17:16:19 | 11.19  | 51.39           | 33.62        | 8.81            | 7.81 | 4.7               | 3.28            | 99.2  |
| 401      | 11/1/2011 17:31:19 | 11.23  | 51.12           | 33.43        | 8.81            | 7.81 | 5.9               | 3.24            | 99.2  |
| 402      | 11/1/2011 17:46:19 | 11.64  | 50.84           | 33.25        | 8.97            | 7.84 | 8.4               | 3.19            | 101.8 |
| 403      | 11/1/2011 18:01:18 | 11.81  | 50.82           | 33.24        | 9.08            | 7.86 | 12.5              | 3.11            | 103.5 |
| 404      | 11/1/2011 18:16:19 | 11.83  | 51.05           | 33.41        | 9.02            | 7.85 | 8.9               | 3.06            | 102.8 |
| 405      | 11/1/2011 18:31:19 | 11.75  | 50.94           | 33.33        | 8.91            | 7.84 | 7.6               | 2.98            | 101.4 |
| 406      | 11/1/2011 18:46:19 | 11.65  | 51.19           | 33.51        | 8.81            | 7.83 | 7.0               | 2.89            | 100.2 |
| 407      | 11/1/2011 19:01:19 | 11.66  | 50.88           | 33.28        | 8.80            | 7.83 | 8.4               | 2.80            | 99.9  |
| 408      | 11/1/2011 19:16:19 | 11.97  | 50.86           | 33.28        | 8.70            | 7.83 | 8.5               | 2.73            | 99.5  |
| 409      | 11/1/2011 19:31:19 | 11.94  | 50.70           | 33.16        | 8.70            | 7.83 | 8.4               | 2.65            | 99.3  |
| 410      | 11/1/2011 19:46:19 | 12.01  | 50.89           | 33.30        | 8.67            | 7.84 | 9.0               | 2.52            | 99.2  |
| 411      | 11/1/2011 20:01:19 | 12.49  | 50.74           | 33.21        | 8.74            | 7.86 | 10.4              | 2.43            | 101.0 |
| 412      | 11/1/2011 20:16:19 | 12.25  | 50.61           | 33.11        | 8.58            | 7.84 | 9.2               | 2.34            | 98.6  |
| 413      | 11/1/2011 20:31:19 | 12.25  | 50.77           | 33.23        | 8.55            | 7.84 | 12.3              | 2.23            | 98.3  |
| 414      | 11/1/2011 20:46:19 | 12.22  | 50.75           | 33.22        | 8.56            | 7.84 | 12.4              | 2.10            | 98.3  |
| 415      | 11/1/2011 21:01:19 | 12.30  | 50.56           | 33.07        | 8.56            | 7.84 | 12.5              | 1.99            | 98.4  |
| 416      | 11/1/2011 21:16:19 | 12.24  | 50.44           | 32.99        | 8.58            | 7.84 | 11.5              | 1.90            | 98.5  |
| 417      | 11/1/2011 21:31:19 | 12.32  | 50.49           | 33.03        | 8.57            | 7.85 | 11.7              | 1.80            | 98.5  |
| 418      | 11/1/2011 21:46:19 | 12.38  | 50.67           | 33.16        | 8.61            | 7.85 | 11.5              | 1.67            | 99.2  |
| 419      | 11/1/2011 22:01:19 | 12.51  | 50.50           | 33.04        | 8.65            | 7.86 | 11.4              | 1.60            | 99.8  |
| 420      | 11/1/2011 22:16:19 | 12.55  | 50.30           | 32.90        | 8.65            | 7.86 | 10.2              | 1.51            | 99.8  |
| 421      | 11/1/2011 22:31:19 | 12.67  | 50.46           | 33.02        | 8.71            | 7.87 | 10.4              | 1.45            | 100.8 |
| 422      | 11/1/2011 22:46:19 | 12.70  | 50.14           | 32.79        | 8.75            | 7.88 | 9.9               | 1.38            | 101.2 |
| 423      | 11/1/2011 23:01:19 | 12.74  | 50.34           | 32.94        | 8.78            | 7.88 | 9.6               | 1.34            | 101.8 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 424      | 11/1/2011 23:16:19 | 12.79  | 50.23  | 32.86        | 8.86    | 7.89 | 9.2        | 1.33            | 102.8 |
| 425      | 11/1/2011 23:31:19 | 12.67  | 50.27  | 32.88        | 8.72    | 7.88 | 8.7        | 1.33            | 100.9 |
| 426      | 11/1/2011 23:46:19 | 12.78  | 50.03  | 32.71        | 8.93    | 7.90 | 9.3        | 1.34            | 103.4 |
| 427      | 11/2/2011 00:01:18 | 12.77  | 50.15  | 32.80        | 8.98    | 7.90 | 9.1        | 1.36            | 104.1 |
| 428      | 11/2/2011 00:16:19 | 12.75  | 50.26  | 32.88        | 8.91    | 7.89 | 8.9        | 1.43            | 103.2 |
| 429      | 11/2/2011 00:31:19 | 12.77  | 50.17  | 32.81        | 8.97    | 7.89 | 9.5        | 1.49            | 104.0 |
| 430      | 11/2/2011 00:46:19 | 12.74  | 50.31  | 32.92        | 8.92    | 7.89 | 9.3        | 1.57            | 103.4 |
| 431      | 11/2/2011 01:01:19 | 12.64  | 49.94  | 32.64        | 8.89    | 7.88 | 8.9        | 1.63            | 102.6 |
| 432      | 11/2/2011 01:16:19 | 12.60  | 50.08  | 32.74        | 8.84    | 7.87 | 8.1        | 1.69            | 102.1 |
| 433      | 11/2/2011 01:31:19 | 12.61  | 49.86  | 32.58        | 8.82    | 7.87 | 8.0        | 1.76            | 101.8 |
| 434      | 11/2/2011 01:46:19 | 12.64  | 49.96  | 32.66        | 8.82    | 7.87 | 9.0        | 1.85            | 101.9 |
| 435      | 11/2/2011 02:01:19 | 12.67  | 50.12  | 32.77        | 8.77    | 7.87 | 8.9        | 1.93            | 101.3 |
| 436      | 11/2/2011 02:16:19 | 12.63  | 50.30  | 32.90        | 8.71    | 7.86 | 8.9        | 2.01            | 100.7 |
| 437      | 11/2/2011 02:31:19 | 12.60  | 50.34  | 32.93        | 8.68    | 7.86 | 8.5        | 2.09            | 100.3 |
| 438      | 11/2/2011 02:46:19 | 12.52  | 50.53  | 33.06        | 8.64    | 7.86 | 8.6        | 2.19            | 99.8  |
| 439      | 11/2/2011 03:01:19 | 12.43  | 50.64  | 33.14        | 8.60    | 7.85 | 8.2        | 2.26            | 99.2  |
| 440      | 11/2/2011 03:16:19 | 12.39  | 50.48  | 33.02        | 8.59    | 7.85 | 7.8        | 2.34            | 99.0  |
| 441      | 11/2/2011 03:31:19 | 12.32  | 50.64  | 33.13        | 8.62    | 7.85 | 8.4        | 2.43            | 99.1  |
| 442      | 11/2/2011 03:46:19 | 12.25  | 50.56  | 33.07        | 8.62    | 7.84 | 9.0        | 2.52            | 99.0  |
| 443      | 11/2/2011 04:01:19 | 12.17  | 50.61  | 33.11        | 8.62    | 7.84 | 9.2        | 2.59            | 98.9  |
| 444      | 11/2/2011 04:16:19 | 12.07  | 50.64  | 33.12        | 8.61    | 7.84 | 9.8        | 2.66            | 98.5  |
| 445      | 11/2/2011 04:31:19 | 12.03  | 50.91  | 33.32        | 8.60    | 7.83 | 9.8        | 2.74            | 98.4  |
| 446      | 11/2/2011 04:46:19 | 11.93  | 50.91  | 33.32        | 8.62    | 7.83 | 10.7       | 2.81            | 98.5  |
| 447      | 11/2/2011 05:01:19 | 11.74  | 50.91  | 33.31        | 8.72    | 7.83 | 10.7       | 2.88            | 99.2  |
| 448      | 11/2/2011 05:16:19 | 11.60  | 50.90  | 33.29        | 8.78    | 7.83 | 11.2       | 2.95            | 99.5  |
| 449      | 11/2/2011 05:31:19 | 11.47  | 50.98  | 33.34        | 8.83    | 7.83 | 9.6        | 3.01            | 99.9  |
| 450      | 11/2/2011 05:46:19 | 11.31  | 51.12  | 33.44        | 8.86    | 7.82 | 8.7        | 3.06            | 100.0 |
| 451      | 11/2/2011 06:01:19 | 11.11  | 51.00  | 33.34        | 8.97    | 7.82 | 9.0        | 3.11            | 100.8 |
| 452      | 11/2/2011 06:16:19 | 11.01  | 50.99  | 33.33        | 9.00    | 7.82 | 6.7        | 3.16            | 100.8 |
| 453      | 11/2/2011 06:31:19 | 10.98  | 51.18  | 33.46        | 8.97    | 7.82 | 6.0        | 3.17            | 100.6 |
| 454      | 11/2/2011 06:46:19 | 10.94  | 51.15  | 33.43        | 8.89    | 7.81 | 4.9        | 3.20            | 99.6  |
| 455      | 11/2/2011 07:01:19 | 11.07  | 51.12  | 33.42        | 8.88    | 7.81 | 5.6        | 3.20            | 99.6  |
| 456      | 11/2/2011 07:16:19 | 10.96  | 50.93  | 33.27        | 8.85    | 7.81 | 6.7        | 3.18            | 99.1  |
| 457      | 11/2/2011 07:31:19 | 10.93  | 51.15  | 33.43        | 8.90    | 7.81 | 6.3        | 3.15            | 99.6  |
| 458      | 11/2/2011 07:46:19 | 11.02  | 51.18  | 33.46        | 8.84    | 7.81 | 6.7        | 3.11            | 99.1  |
| 459      | 11/2/2011 08:01:19 | 11.30  | 50.82  | 33.21        | 8.44    | 7.81 | 6.7        | 3.07            | 95.1  |
| 460      | 11/2/2011 08:16:19 | 11.43  | 50.70  | 33.13        | 8.45    | 7.82 | 7.1        | 3.00            | 95.4  |
| 461      | 11/2/2011 08:31:19 | 11.34  | 50.76  | 33.18        | 8.47    | 7.82 | 5.9        | 2.94            | 95.5  |
| 462      | 11/2/2011 08:46:19 | 11.29  | 50.88  | 33.26        | 8.60    | 7.82 | 6.5        | 2.87            | 96.9  |
| 463      | 11/2/2011 09:01:19 | 11.29  | 51.09  | 33.41        | 8.61    | 7.82 | 5.8        | 2.79            | 97.1  |
| 464      | 11/2/2011 09:16:19 | 11.34  | 50.80  | 33.20        | 8.61    | 7.82 | 5.3        | 2.74            | 97.1  |
| 465      | 11/2/2011 09:31:19 | 11.52  | 50.83  | 33.24        | 8.50    | 7.83 | 5.8        | 2.70            | 96.2  |
| 466      | 11/2/2011 09:46:19 | 11.54  | 50.31  | 32.85        | 8.61    | 7.83 | 5.7        | 2.63            | 97.2  |
| 467      | 11/2/2011 10:01:19 | 11.59  | 50.79  | 33.21        | 8.57    | 7.84 | 5.9        | 2.58            | 97.2  |
| 468      | 11/2/2011 10:16:19 | 11.67  | 50.58  | 33.06        | 8.56    | 7.84 | 6.3        | 2.54            | 97.1  |
| 469      | 11/2/2011 10:31:19 | 11.70  | 50.83  | 33.25        | 8.62    | 7.84 | 5.4        | 2.49            | 97.9  |
| 470      | 11/2/2011 10:46:19 | 11.78  | 50.80  | 33.23        | 8.63    | 7.84 | 5.5        | 2.43            | 98.2  |
| 471      | 11/2/2011 11:01:19 | 11.86  | 50.50  | 33.01        | 8.82    | 7.86 | 5.5        | 2.38            | 100.4 |
| 472      | 11/2/2011 11:16:19 | 11.86  | 50.53  | 33.03        | 8.92    | 7.87 | 5.1        | 2.36            | 101.6 |
| 473      | 11/2/2011 11:31:19 | 11.96  | 50.53  | 33.04        | 8.91    | 7.87 | 5.1        | 2.33            | 101.7 |
| 474      | 11/2/2011 11:46:19 | 12.05  | 50.41  | 32.96        | 9.02    | 7.88 | 4.9        | 2.30            | 103.0 |
| 475      | 11/2/2011 12:01:19 | 12.14  | 50.50  | 33.02        | 8.91    | 7.87 | 5.0        | 2.29            | 102.0 |
| 476      | 11/2/2011 12:16:19 | 12.17  | 50.47  | 33.01        | 8.83    | 7.87 | 4.8        | 2.29            | 101.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 477      | 11/2/2011 12:31:19 | 12.08  | 50.37           | 32.93        | 8.84            | 7.87 | 4.9               | 2.29            | 101.1 |
| 478      | 11/2/2011 12:46:19 | 12.09  | 50.55           | 33.06        | 8.88            | 7.87 | 4.9               | 2.31            | 101.6 |
| 479      | 11/2/2011 13:01:19 | 12.06  | 50.52           | 33.04        | 8.83            | 7.86 | 5.1               | 2.33            | 101.0 |
| 480      | 11/2/2011 13:16:19 | 12.08  | 50.54           | 33.05        | 8.76            | 7.86 | 5.1               | 2.36            | 100.2 |
| 481      | 11/2/2011 13:31:19 | 12.09  | 50.49           | 33.01        | 8.75            | 7.85 | 5.2               | 2.41            | 100.0 |
| 482      | 11/2/2011 13:46:19 | 12.12  | 50.51           | 33.03        | 8.70            | 7.85 | 5.5               | 2.46            | 99.6  |
| 483      | 11/2/2011 14:01:19 | 12.11  | 50.48           | 33.01        | 8.72            | 7.85 | 5.3               | 2.50            | 99.8  |
| 484      | 11/2/2011 14:16:19 | 11.99  | 50.41           | 32.95        | 8.73            | 7.84 | 5.4               | 2.54            | 99.6  |
| 485      | 11/2/2011 14:31:19 | 12.01  | 50.47           | 33.00        | 8.78            | 7.85 | 5.1               | 2.61            | 100.2 |
| 486      | 11/2/2011 14:46:19 | 11.89  | 50.82           | 33.25        | 8.80            | 7.84 | 4.9               | 2.65            | 100.5 |
| 487      | 11/2/2011 15:01:19 | 11.70  | 50.73           | 33.17        | 8.75            | 7.84 | 5.4               | 2.70            | 99.4  |
| 488      | 11/2/2011 15:16:19 | 11.63  | 50.89           | 33.29        | 8.81            | 7.83 | 5.9               | 2.77            | 100.0 |
| 489      | 11/2/2011 15:31:19 | 11.58  | 50.77           | 33.19        | 8.89            | 7.83 | 5.3               | 2.82            | 100.7 |
| 490      | 11/2/2011 15:46:19 | 11.50  | 50.87           | 33.26        | 8.91            | 7.83 | 5.1               | 2.87            | 100.9 |
| 491      | 11/2/2011 16:01:19 | 11.46  | 50.97           | 33.34        | 8.91            | 7.83 | 4.7               | 2.93            | 100.8 |
| 492      | 11/2/2011 16:16:19 | 11.43  | 50.63           | 33.09        | 8.96            | 7.83 | 4.6               | 2.99            | 101.1 |
| 493      | 11/2/2011 16:31:19 | 11.37  | 51.07           | 33.40        | 8.95            | 7.83 | 4.3               | 3.03            | 101.1 |
| 494      | 11/2/2011 16:46:19 | 11.28  | 51.08           | 33.41        | 8.94            | 7.82 | 4.6               | 3.06            | 100.8 |
| 495      | 11/2/2011 17:01:19 | 11.21  | 51.09           | 33.41        | 8.90            | 7.82 | 4.1               | 3.10            | 100.1 |
| 496      | 11/2/2011 17:16:19 | 11.11  | 51.06           | 33.38        | 8.84            | 7.81 | 4.6               | 3.13            | 99.3  |
| 497      | 11/2/2011 17:31:19 | 11.03  | 51.18           | 33.46        | 8.80            | 7.81 | 4.0               | 3.15            | 98.7  |
| 498      | 11/2/2011 17:46:19 | 11.02  | 51.15           | 33.44        | 8.72            | 7.81 | 3.3               | 3.16            | 97.8  |
| 499      | 11/2/2011 18:01:19 | 11.11  | 51.22           | 33.50        | 8.76            | 7.82 | 4.1               | 3.16            | 98.5  |
| 500      | 11/2/2011 18:16:19 | 11.03  | 51.08           | 33.39        | 8.67            | 7.80 | 3.5               | 3.15            | 97.3  |
| 501      | 11/2/2011 18:31:19 | 11.07  | 51.02           | 33.35        | 8.73            | 7.81 | 4.0               | 3.13            | 97.9  |
| 502      | 11/2/2011 18:46:19 | 11.11  | 51.21           | 33.49        | 8.74            | 7.80 | 4.5               | 3.11            | 98.2  |
| 503      | 11/2/2011 19:01:19 | 11.19  | 51.02           | 33.36        | 8.75            | 7.81 | 4.8               | 3.05            | 98.4  |
| 504      | 11/2/2011 19:16:19 | 11.44  | 51.15           | 33.46        | 8.89            | 7.84 | 4.7               | 2.99            | 100.6 |
| 505      | 11/2/2011 19:31:19 | 11.69  | 50.77           | 33.20        | 8.96            | 7.85 | 4.9               | 2.94            | 101.8 |
| 506      | 11/2/2011 19:46:19 | 11.69  | 50.65           | 33.11        | 8.88            | 7.84 | 4.8               | 2.87            | 100.8 |
| 507      | 11/2/2011 20:01:19 | 11.67  | 50.88           | 33.28        | 8.75            | 7.83 | 4.8               | 2.78            | 99.4  |
| 508      | 11/2/2011 20:16:19 | 11.68  | 50.82           | 33.24        | 8.84            | 7.84 | 4.8               | 2.69            | 100.4 |
| 509      | 11/2/2011 20:31:19 | 11.60  | 50.89           | 33.28        | 8.86            | 7.84 | 4.9               | 2.61            | 100.5 |
| 510      | 11/2/2011 20:46:19 | 11.81  | 50.87           | 33.28        | 8.94            | 7.86 | 5.1               | 2.54            | 101.8 |
| 511      | 11/2/2011 21:01:19 | 11.96  | 50.95           | 33.34        | 8.88            | 7.87 | 5.1               | 2.44            | 101.5 |
| 512      | 11/2/2011 21:16:19 | 12.11  | 50.72           | 33.18        | 8.94            | 7.87 | 5.5               | 2.35            | 102.4 |
| 513      | 11/2/2011 21:31:19 | 11.99  | 50.82           | 33.26        | 8.88            | 7.86 | 5.6               | 2.25            | 101.5 |
| 514      | 11/2/2011 21:46:19 | 11.90  | 50.60           | 33.09        | 8.85            | 7.86 | 5.9               | 2.16            | 100.9 |
| 515      | 11/2/2011 22:01:19 | 11.98  | 50.63           | 33.11        | 8.89            | 7.87 | 6.7               | 2.09            | 101.6 |
| 516      | 11/2/2011 22:16:19 | 11.94  | 50.68           | 33.15        | 8.93            | 7.87 | 6.2               | 1.97            | 101.9 |
| 517      | 11/2/2011 22:31:19 | 12.02  | 50.42           | 32.96        | 9.00            | 7.88 | 6.8               | 1.88            | 102.7 |
| 518      | 11/2/2011 22:46:19 | 12.05  | 50.59           | 33.09        | 9.02            | 7.89 | 6.6               | 1.82            | 103.2 |
| 519      | 11/2/2011 23:01:19 | 12.08  | 50.38           | 32.94        | 9.05            | 7.89 | 6.7               | 1.74            | 103.5 |
| 520      | 11/2/2011 23:16:19 | 12.09  | 50.56           | 33.07        | 9.05            | 7.90 | 6.1               | 1.66            | 103.6 |
| 521      | 11/2/2011 23:31:19 | 12.24  | 50.44           | 32.98        | 9.16            | 7.91 | 6.0               | 1.62            | 105.1 |
| 522      | 11/2/2011 23:46:19 | 12.27  | 50.20           | 32.81        | 9.25            | 7.92 | 6.1               | 1.59            | 106.0 |
| 523      | 11/3/2011 00:01:19 | 12.30  | 50.37           | 32.94        | 9.29            | 7.92 | 5.9               | 1.55            | 106.7 |
| 524      | 11/3/2011 00:16:19 | 12.36  | 50.57           | 33.09        | 9.41            | 7.93 | 5.5               | 1.53            | 108.3 |
| 525      | 11/3/2011 00:31:19 | 12.36  | 50.17           | 32.80        | 9.37            | 7.93 | 5.2               | 1.54            | 107.7 |
| 526      | 11/3/2011 00:46:19 | 12.38  | 50.23           | 32.84        | 9.50            | 7.94 | 5.3               | 1.56            | 109.2 |
| 527      | 11/3/2011 01:01:19 | 12.38  | 50.31           | 32.90        | 9.53            | 7.94 | 5.2               | 1.58            | 109.6 |
| 528      | 11/3/2011 01:16:19 | 12.39  | 50.37           | 32.94        | 9.59            | 7.95 | 5.2               | 1.63            | 110.3 |
| 529      | 11/3/2011 01:31:19 | 12.39  | 50.26           | 32.86        | 9.63            | 7.94 | 5.2               | 1.68            | 110.8 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 530      | 11/3/2011 01:46:19 | 12.37  | 50.34  | 32.92        | 9.55    | 7.94 | 5.2        | 1.72            | 109.9 |
| 531      | 11/3/2011 02:01:19 | 12.25  | 50.15  | 32.78        | 9.44    | 7.93 | 5.3        | 1.80            | 108.2 |
| 532      | 11/3/2011 02:16:19 | 12.22  | 50.12  | 32.75        | 9.36    | 7.92 | 5.4        | 1.87            | 107.2 |
| 533      | 11/3/2011 02:31:19 | 12.21  | 50.05  | 32.70        | 9.32    | 7.92 | 5.9        | 1.93            | 106.7 |
| 534      | 11/3/2011 02:46:19 | 12.25  | 50.12  | 32.76        | 9.29    | 7.91 | 6.0        | 2.00            | 106.5 |
| 535      | 11/3/2011 03:01:19 | 12.25  | 50.32  | 32.90        | 9.22    | 7.90 | 5.7        | 2.08            | 105.8 |
| 536      | 11/3/2011 03:16:19 | 12.20  | 50.30  | 32.88        | 9.15    | 7.90 | 5.6        | 2.16            | 104.8 |
| 537      | 11/3/2011 03:31:19 | 12.12  | 50.55  | 33.06        | 9.01    | 7.88 | 5.3        | 2.24            | 103.1 |
| 538      | 11/3/2011 03:46:19 | 12.02  | 50.58  | 33.08        | 8.89    | 7.86 | 5.1        | 2.30            | 101.6 |
| 539      | 11/3/2011 04:01:19 | 11.99  | 50.42  | 32.96        | 8.86    | 7.86 | 5.3        | 2.40            | 101.1 |
| 540      | 11/3/2011 04:16:19 | 11.97  | 50.57  | 33.07        | 8.82    | 7.86 | 5.6        | 2.47            | 100.7 |
| 541      | 11/3/2011 04:31:19 | 11.92  | 50.71  | 33.17        | 8.82    | 7.86 | 5.7        | 2.55            | 100.7 |
| 542      | 11/3/2011 04:46:19 | 11.87  | 50.73  | 33.18        | 8.82    | 7.85 | 5.9        | 2.61            | 100.6 |
| 543      | 11/3/2011 05:01:19 | 11.80  | 50.61  | 33.09        | 8.84    | 7.85 | 5.9        | 2.68            | 100.5 |
| 544      | 11/3/2011 05:16:19 | 11.71  | 50.62  | 33.09        | 8.82    | 7.84 | 6.2        | 2.77            | 100.2 |
| 545      | 11/3/2011 05:31:19 | 11.62  | 50.82  | 33.24        | 8.79    | 7.84 | 7.0        | 2.84            | 99.7  |
| 546      | 11/3/2011 05:46:19 | 11.44  | 50.73  | 33.15        | 8.78    | 7.83 | 6.9        | 2.90            | 99.2  |
| 547      | 11/3/2011 06:01:19 | 11.27  | 51.03  | 33.36        | 8.79    | 7.82 | 6.7        | 2.97            | 99.0  |
| 548      | 11/3/2011 06:16:19 | 11.10  | 50.79  | 33.18        | 8.78    | 7.82 | 6.3        | 3.05            | 98.4  |
| 549      | 11/3/2011 06:31:19 | 10.90  | 51.03  | 33.34        | 8.71    | 7.80 | 6.0        | 3.10            | 97.4  |
| 550      | 11/3/2011 06:46:19 | 10.83  | 51.08  | 33.38        | 8.63    | 7.80 | 5.5        | 3.16            | 96.4  |
| 551      | 11/3/2011 07:01:19 | 10.70  | 51.07  | 33.36        | 8.57    | 7.79 | 5.6        | 3.21            | 95.4  |
| 552      | 11/3/2011 07:16:19 | 10.60  | 51.27  | 33.50        | 8.51    | 7.78 | 4.9        | 3.25            | 94.6  |
| 553      | 11/3/2011 07:31:19 | 10.53  | 51.22  | 33.46        | 8.47    | 7.77 | 4.7        | 3.28            | 94.1  |
| 554      | 11/3/2011 07:46:19 | 10.48  | 50.98  | 33.29        | 8.37    | 7.77 | 3.7        | 3.27            | 92.7  |
| 555      | 11/3/2011 08:01:19 | 10.59  | 51.28  | 33.51        | 8.36    | 7.77 | 4.3        | 3.30            | 92.9  |
| 556      | 11/3/2011 08:16:19 | 10.44  | 51.25  | 33.48        | 8.34    | 7.77 | 5.0        | 3.27            | 92.4  |
| 557      | 11/3/2011 08:31:19 | 10.49  | 50.96  | 33.27        | 8.38    | 7.77 | 5.4        | 3.24            | 92.8  |
| 558      | 11/3/2011 08:46:19 | 10.74  | 51.25  | 33.50        | 8.39    | 7.78 | 6.3        | 3.19            | 93.5  |
| 559      | 11/3/2011 09:01:19 | 10.97  | 50.94  | 33.29        | 8.49    | 7.80 | 5.7        | 3.13            | 95.1  |
| 560      | 11/3/2011 09:16:19 | 11.13  | 50.70  | 33.12        | 8.59    | 7.81 | 4.9        | 3.06            | 96.3  |
| 561      | 11/3/2011 09:31:19 | 11.02  | 50.95  | 33.29        | 8.69    | 7.81 | 5.1        | 3.00            | 97.3  |
| 562      | 11/3/2011 09:46:19 | 11.07  | 51.09  | 33.40        | 8.77    | 7.82 | 4.5        | 2.92            | 98.5  |
| 563      | 11/3/2011 10:01:19 | 11.19  | 50.77  | 33.18        | 8.89    | 7.83 | 4.0        | 2.85            | 99.9  |
| 564      | 11/3/2011 10:16:19 | 11.44  | 50.90  | 33.28        | 8.90    | 7.84 | 4.2        | 2.79            | 100.6 |
| 565      | 11/3/2011 10:31:19 | 11.50  | 50.55  | 33.03        | 8.97    | 7.85 | 4.1        | 2.72            | 101.4 |
| 566      | 11/3/2011 10:46:19 | 11.57  | 50.48  | 32.98        | 8.81    | 7.85 | 4.6        | 2.66            | 99.6  |
| 567      | 11/3/2011 11:01:19 | 11.62  | 50.80  | 33.22        | 8.86    | 7.85 | 4.4        | 2.59            | 100.5 |
| 568      | 11/3/2011 11:16:19 | 11.68  | 50.78  | 33.21        | 8.85    | 7.85 | 4.4        | 2.54            | 100.5 |
| 569      | 11/3/2011 11:31:19 | 11.73  | 50.44  | 32.96        | 8.90    | 7.86 | 4.0        | 2.49            | 101.0 |
| 570      | 11/3/2011 11:46:19 | 11.84  | 50.66  | 33.13        | 9.07    | 7.87 | 4.0        | 2.42            | 103.3 |
| 571      | 11/3/2011 12:01:19 | 11.96  | 50.68  | 33.15        | 9.36    | 7.89 | 3.9        | 2.39            | 106.9 |
| 572      | 11/3/2011 12:16:19 | 11.97  | 50.51  | 33.03        | 9.34    | 7.89 | 3.8        | 2.35            | 106.6 |
| 573      | 11/3/2011 12:31:19 | 12.01  | 50.70  | 33.17        | 9.40    | 7.90 | 4.0        | 2.29            | 107.4 |
| 574      | 11/3/2011 12:46:19 | 12.05  | 50.62  | 33.11        | 9.34    | 7.89 | 4.0        | 2.26            | 106.9 |
| 575      | 11/3/2011 13:01:19 | 12.09  | 50.38  | 32.94        | 9.37    | 7.90 | 4.0        | 2.24            | 107.1 |
| 576      | 11/3/2011 13:16:19 | 12.11  | 50.30  | 32.88        | 9.31    | 7.90 | 3.9        | 2.23            | 106.5 |
| 577      | 11/3/2011 13:31:19 | 12.11  | 50.40  | 32.95        | 9.29    | 7.90 | 3.5        | 2.20            | 106.3 |
| 578      | 11/3/2011 13:46:19 | 12.06  | 50.27  | 32.86        | 9.30    | 7.89 | 3.8        | 2.22            | 106.2 |
| 579      | 11/3/2011 14:01:19 | 12.06  | 50.54  | 33.05        | 9.34    | 7.90 | 3.7        | 2.24            | 106.9 |
| 580      | 11/3/2011 14:16:19 | 12.07  | 50.42  | 32.97        | 9.33    | 7.90 | 3.5        | 2.24            | 106.7 |
| 581      | 11/3/2011 14:31:19 | 12.04  | 50.23  | 32.82        | 9.34    | 7.89 | 3.9        | 2.28            | 106.6 |
| 582      | 11/3/2011 14:46:19 | 12.02  | 50.51  | 33.03        | 9.32    | 7.89 | 3.9        | 2.31            | 106.4 |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 583      | 11/3/2011 15:01:19 | 11.99  | 50.49           | 33.01        | 9.24            | 7.88 | 4.2               | 2.36            | 105.5 |
| 584      | 11/3/2011 15:16:19 | 11.96  | 50.21           | 32.81        | 9.19            | 7.88 | 4.3               | 2.41            | 104.7 |
| 585      | 11/3/2011 15:31:19 | 11.91  | 50.32           | 32.88        | 9.10            | 7.87 | 4.2               | 2.45            | 103.6 |
| 586      | 11/3/2011 15:46:19 | 11.88  | 50.31           | 32.87        | 9.08            | 7.87 | 4.2               | 2.51            | 103.3 |
| 587      | 11/3/2011 16:01:19 | 11.87  | 50.44           | 32.97        | 9.13            | 7.87 | 4.1               | 2.56            | 103.9 |
| 588      | 11/3/2011 16:16:19 | 11.84  | 50.17           | 32.77        | 9.13            | 7.87 | 4.0               | 2.61            | 103.8 |
| 589      | 11/3/2011 16:31:19 | 11.77  | 50.39           | 32.93        | 9.11            | 7.87 | 3.8               | 2.66            | 103.5 |
| 590      | 11/3/2011 16:46:19 | 11.66  | 50.60           | 33.08        | 8.98            | 7.85 | 4.0               | 2.71            | 101.8 |
| 591      | 11/3/2011 17:01:19 | 11.59  | 50.20           | 32.78        | 9.00            | 7.85 | 3.8               | 2.76            | 101.7 |
| 592      | 11/3/2011 17:16:18 | 11.47  | 50.10           | 32.71        | 9.01            | 7.85 | 3.7               | 2.81            | 101.5 |
| 593      | 11/3/2011 17:31:19 | 11.42  | 50.73           | 33.16        | 8.95            | 7.84 | 3.5               | 2.85            | 101.0 |
| 594      | 11/3/2011 17:46:19 | 11.32  | 50.72           | 33.14        | 8.88            | 7.84 | 3.4               | 2.90            | 100.0 |
| 595      | 11/3/2011 18:01:19 | 11.24  | 51.01           | 33.35        | 8.80            | 7.83 | 3.5               | 2.95            | 99.1  |
| 596      | 11/3/2011 18:16:19 | 11.19  | 50.72           | 33.14        | 8.77            | 7.82 | 3.4               | 2.98            | 98.5  |
| 597      | 11/3/2011 18:31:19 | 11.09  | 51.05           | 33.37        | 8.67            | 7.81 | 3.4               | 3.01            | 97.4  |
| 598      | 11/3/2011 18:46:19 | 11.03  | 50.70           | 33.11        | 8.61            | 7.81 | 3.2               | 3.05            | 96.4  |
| 599      | 11/3/2011 19:01:19 | 10.97  | 50.93           | 33.27        | 8.55            | 7.80 | 3.2               | 3.07            | 95.7  |
| 600      | 11/3/2011 19:16:19 | 11.06  | 50.92           | 33.27        | 8.55            | 7.81 | 3.4               | 3.06            | 95.8  |
| 601      | 11/3/2011 19:31:19 | 10.94  | 51.04           | 33.35        | 8.37            | 7.79 | 3.1               | 3.08            | 93.6  |
| 602      | 11/3/2011 19:46:19 | 10.91  | 51.05           | 33.36        | 8.38            | 7.79 | 3.1               | 3.06            | 93.7  |
| 603      | 11/3/2011 20:01:19 | 10.91  | 50.90           | 33.25        | 8.45            | 7.80 | 3.2               | 3.02            | 94.4  |
| 604      | 11/3/2011 20:16:19 | 10.99  | 50.87           | 33.24        | 8.49            | 7.80 | 4.1               | 2.98            | 95.0  |
| 605      | 11/3/2011 20:31:19 | 11.27  | 50.70           | 33.13        | 8.77            | 7.85 | 3.6               | 2.93            | 98.7  |
| 606      | 11/3/2011 20:46:19 | 11.36  | 50.67           | 33.11        | 8.81            | 7.84 | 4.3               | 2.88            | 99.3  |
| 607      | 11/3/2011 21:01:19 | 11.55  | 50.70           | 33.14        | 8.96            | 7.87 | 4.5               | 2.80            | 101.5 |
| 608      | 11/3/2011 21:16:19 | 11.48  | 50.82           | 33.23        | 8.80            | 7.85 | 4.2               | 2.72            | 99.5  |
| 609      | 11/3/2011 21:31:19 | 11.49  | 50.70           | 33.14        | 8.79            | 7.85 | 4.5               | 2.65            | 99.4  |
| 610      | 11/3/2011 21:46:19 | 11.50  | 50.57           | 33.04        | 8.74            | 7.86 | 4.3               | 2.59            | 98.8  |
| 611      | 11/3/2011 22:01:19 | 11.43  | 50.60           | 33.06        | 8.76            | 7.85 | 4.2               | 2.50            | 98.8  |
| 612      | 11/3/2011 22:16:19 | 11.58  | 50.74           | 33.18        | 8.79            | 7.86 | 4.4               | 2.42            | 99.6  |
| 613      | 11/3/2011 22:31:19 | 11.63  | 50.32           | 32.87        | 8.92            | 7.88 | 4.8               | 2.36            | 100.9 |
| 614      | 11/3/2011 22:46:19 | 11.74  | 50.58           | 33.06        | 8.92            | 7.88 | 4.9               | 2.27            | 101.3 |
| 615      | 11/3/2011 23:01:19 | 11.68  | 50.69           | 33.14        | 8.88            | 7.87 | 4.9               | 2.19            | 100.8 |
| 616      | 11/3/2011 23:16:19 | 11.58  | 50.37           | 32.90        | 8.86            | 7.87 | 5.2               | 2.11            | 100.1 |
| 617      | 11/3/2011 23:31:19 | 11.67  | 50.11           | 32.72        | 8.92            | 7.88 | 5.8               | 2.02            | 101.0 |
| 618      | 11/3/2011 23:46:19 | 11.73  | 50.53           | 33.03        | 9.03            | 7.89 | 5.8               | 1.98            | 102.5 |
| 619      | 11/4/2011 00:01:19 | 11.70  | 50.54           | 33.04        | 9.04            | 7.90 | 5.6               | 1.88            | 102.6 |
| 620      | 11/4/2011 00:16:19 | 11.72  | 50.13           | 32.73        | 9.05            | 7.90 | 5.4               | 1.83            | 102.5 |
| 621      | 11/4/2011 00:31:19 | 11.79  | 50.40           | 32.93        | 9.12            | 7.91 | 5.3               | 1.78            | 103.6 |
| 622      | 11/4/2011 00:46:19 | 11.85  | 50.35           | 32.90        | 9.27            | 7.93 | 5.2               | 1.75            | 105.5 |
| 623      | 11/4/2011 01:01:19 | 11.89  | 50.29           | 32.86        | 9.40            | 7.94 | 5.4               | 1.69            | 106.9 |
| 624      | 11/4/2011 01:16:19 | 11.92  | 50.37           | 32.92        | 9.47            | 7.95 | 5.2               | 1.69            | 107.9 |
| 625      | 11/4/2011 01:31:19 | 11.89  | 50.28           | 32.86        | 9.45            | 7.95 | 5.2               | 1.70            | 107.6 |
| 626      | 11/4/2011 01:46:19 | 11.90  | 50.02           | 32.67        | 9.51            | 7.96 | 4.9               | 1.69            | 108.1 |
| 627      | 11/4/2011 02:01:19 | 11.88  | 50.18           | 32.78        | 9.49            | 7.95 | 4.9               | 1.72            | 107.9 |
| 628      | 11/4/2011 02:16:19 | 11.85  | 50.21           | 32.80        | 9.42            | 7.94 | 5.4               | 1.77            | 107.0 |
| 629      | 11/4/2011 02:31:19 | 11.89  | 50.09           | 32.72        | 9.46            | 7.95 | 4.9               | 1.82            | 107.6 |
| 630      | 11/4/2011 02:46:19 | 11.89  | 50.28           | 32.85        | 9.40            | 7.94 | 5.1               | 1.88            | 107.0 |
| 631      | 11/4/2011 03:01:19 | 11.77  | 50.13           | 32.74        | 9.31            | 7.93 | 5.4               | 1.94            | 105.7 |
| 632      | 11/4/2011 03:16:19 | 11.80  | 50.15           | 32.76        | 9.27            | 7.92 | 5.2               | 2.00            | 105.2 |
| 633      | 11/4/2011 03:31:19 | 11.74  | 49.77           | 32.47        | 9.24            | 7.92 | 4.9               | 2.06            | 104.5 |
| 634      | 11/4/2011 03:46:19 | 11.67  | 49.97           | 32.62        | 9.18            | 7.91 | 4.8               | 2.14            | 103.8 |
| 635      | 11/4/2011 04:01:19 | 11.75  | 50.23           | 32.81        | 9.09            | 7.90 | 4.9               | 2.23            | 103.1 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 636      | 11/4/2011 04:16:19 | 11.72  | 50.15           | 32.75        | 9.03            | 7.89 | 4.6               | 2.28            | 102.3 |
| 637      | 11/4/2011 04:31:19 | 11.68  | 50.50           | 33.00        | 8.94            | 7.88 | 4.5               | 2.37            | 101.3 |
| 638      | 11/4/2011 04:46:19 | 11.61  | 49.83           | 32.51        | 8.90            | 7.87 | 4.6               | 2.44            | 100.5 |
| 639      | 11/4/2011 05:01:19 | 11.58  | 50.45           | 32.96        | 8.87            | 7.86 | 4.3               | 2.51            | 100.3 |
| 640      | 11/4/2011 05:16:19 | 11.56  | 50.53           | 33.02        | 8.85            | 7.86 | 4.6               | 2.58            | 100.2 |
| 641      | 11/4/2011 05:31:19 | 11.53  | 50.30           | 32.85        | 8.86            | 7.86 | 4.6               | 2.65            | 100.1 |
| 642      | 11/4/2011 05:46:19 | 11.45  | 50.54           | 33.02        | 8.82            | 7.85 | 5.3               | 2.74            | 99.6  |
| 643      | 11/4/2011 06:01:19 | 11.33  | 50.79           | 33.19        | 8.74            | 7.84 | 5.6               | 2.81            | 98.6  |
| 644      | 11/4/2011 06:16:19 | 11.25  | 50.44           | 32.94        | 8.71            | 7.83 | 5.7               | 2.89            | 97.8  |
| 645      | 11/4/2011 06:31:19 | 11.13  | 50.73           | 33.14        | 8.63            | 7.82 | 6.1               | 2.95            | 96.9  |
| 646      | 11/4/2011 06:46:19 | 10.89  | 50.89           | 33.24        | 8.56            | 7.81 | 6.9               | 3.05            | 95.6  |
| 647      | 11/4/2011 07:01:19 | 10.76  | 51.05           | 33.35        | 8.50            | 7.80 | 6.8               | 3.10            | 94.7  |
| 648      | 11/4/2011 07:16:19 | 10.62  | 51.09           | 33.37        | 8.44            | 7.78 | 6.2               | 3.19            | 93.8  |
| 649      | 11/4/2011 07:31:19 | 10.54  | 51.01           | 33.31        | 8.39            | 7.78 | 6.0               | 3.23            | 93.1  |
| 650      | 11/4/2011 07:46:19 | 10.43  | 51.13           | 33.39        | 8.41            | 7.77 | 5.9               | 3.25            | 93.1  |
| 651      | 11/4/2011 08:01:19 | 10.38  | 51.20           | 33.44        | 8.39            | 7.77 | 4.3               | 3.29            | 92.9  |
| 652      | 11/4/2011 08:16:19 | 10.29  | 51.21           | 33.44        | 8.44            | 7.76 | 3.7               | 3.36            | 93.1  |
| 653      | 11/4/2011 08:31:19 | 10.37  | 51.12           | 33.38        | 8.45            | 7.78 | 4.6               | 3.34            | 93.4  |
| 654      | 11/4/2011 08:46:19 | 10.35  | 51.06           | 33.33        | 8.36            | 7.76 | 4.6               | 3.32            | 92.4  |
| 655      | 11/4/2011 09:01:19 | 10.30  | 51.18           | 33.42        | 8.42            | 7.76 | 4.9               | 3.33            | 92.9  |
| 656      | 11/4/2011 09:16:19 | 10.40  | 51.22           | 33.46        | 8.36            | 7.77 | 5.3               | 3.30            | 92.5  |
| 657      | 11/4/2011 09:31:19 | 10.52  | 51.19           | 33.44        | 8.35            | 7.77 | 5.0               | 3.25            | 92.6  |
| 658      | 11/4/2011 09:46:19 | 10.69  | 51.05           | 33.35        | 8.43            | 7.79 | 4.9               | 3.21            | 93.8  |
| 659      | 11/4/2011 10:01:19 | 10.78  | 50.84           | 33.20        | 8.52            | 7.81 | 4.3               | 3.15            | 94.9  |
| 660      | 11/4/2011 10:16:19 | 10.78  | 50.83           | 33.19        | 8.67            | 7.81 | 4.2               | 3.04            | 96.5  |
| 661      | 11/4/2011 10:31:19 | 10.86  | 50.57           | 33.01        | 8.82            | 7.82 | 4.1               | 3.00            | 98.4  |
| 662      | 11/4/2011 10:46:19 | 10.86  | 50.89           | 33.24        | 8.96            | 7.83 | 4.0               | 2.93            | 100.0 |
| 663      | 11/4/2011 11:01:19 | 11.14  | 50.54           | 33.00        | 8.94            | 7.85 | 4.8               | 2.84            | 100.2 |
| 664      | 11/4/2011 11:16:19 | 11.20  | 50.50           | 32.98        | 8.87            | 7.85 | 4.8               | 2.79            | 99.6  |
| 665      | 11/4/2011 11:31:19 | 11.28  | 50.55           | 33.02        | 8.95            | 7.86 | 4.4               | 2.72            | 100.6 |
| 666      | 11/4/2011 11:46:19 | 11.37  | 50.57           | 33.03        | 9.03            | 7.87 | 4.5               | 2.63            | 101.7 |
| 667      | 11/4/2011 12:01:19 | 11.41  | 50.56           | 33.03        | 9.09            | 7.88 | 4.2               | 2.57            | 102.5 |
| 668      | 11/4/2011 12:16:19 | 11.51  | 50.49           | 32.98        | 9.23            | 7.89 | 4.2               | 2.47            | 104.3 |
| 669      | 11/4/2011 12:31:19 | 11.58  | 50.67           | 33.12        | 9.43            | 7.90 | 3.7               | 2.44            | 106.8 |
| 670      | 11/4/2011 12:46:19 | 11.75  | 50.51           | 33.01        | 9.70            | 7.91 | 3.9               | 2.35            | 110.2 |
| 671      | 11/4/2011 13:01:19 | 11.75  | 50.48           | 32.99        | 9.67            | 7.92 | 4.3               | 2.30            | 109.9 |
| 672      | 11/4/2011 13:16:19 | 11.86  | 50.74           | 33.19        | 9.84            | 7.93 | 3.7               | 2.25            | 112.2 |
| 673      | 11/4/2011 13:31:19 | 11.92  | 50.52           | 33.03        | 9.80            | 7.93 | 3.9               | 2.16            | 111.8 |
| 674      | 11/4/2011 13:46:19 | 12.04  | 50.63           | 33.11        | 9.99            | 7.94 | 3.9               | 2.13            | 114.3 |
| 675      | 11/4/2011 14:01:19 | 12.12  | 50.50           | 33.02        | 9.96            | 7.94 | 3.7               | 2.10            | 114.0 |
| 676      | 11/4/2011 14:16:19 | 12.18  | 50.23           | 32.83        | 10.02           | 7.95 | 3.3               | 2.07            | 114.7 |
| 677      | 11/4/2011 14:31:19 | 12.15  | 50.36           | 32.93        | 10.06           | 7.96 | 3.8               | 2.03            | 115.2 |
| 678      | 11/4/2011 14:46:19 | 12.27  | 50.29           | 32.88        | 10.09           | 7.95 | 3.5               | 2.06            | 115.8 |
| 679      | 11/4/2011 15:01:19 | 12.09  | 50.48           | 33.01        | 9.95            | 7.95 | 3.8               | 2.03            | 113.8 |
| 680      | 11/4/2011 15:16:19 | 12.05  | 50.19           | 32.80        | 9.95            | 7.96 | 3.8               | 2.07            | 113.6 |
| 681      | 11/4/2011 15:31:19 | 12.05  | 50.43           | 32.97        | 9.92            | 7.96 | 4.0               | 2.10            | 113.4 |
| 682      | 11/4/2011 15:46:19 | 11.95  | 50.21           | 32.81        | 9.86            | 7.95 | 3.9               | 2.16            | 112.3 |
| 683      | 11/4/2011 16:01:19 | 11.91  | 50.39           | 32.94        | 9.78            | 7.95 | 4.0               | 2.21            | 111.4 |
| 684      | 11/4/2011 16:16:19 | 11.90  | 50.34           | 32.90        | 9.69            | 7.94 | 4.2               | 2.25            | 110.4 |
| 685      | 11/4/2011 16:31:19 | 11.85  | 50.34           | 32.90        | 9.63            | 7.93 | 4.4               | 2.33            | 109.5 |
| 686      | 11/4/2011 16:46:19 | 11.82  | 50.32           | 32.88        | 9.56            | 7.92 | 4.3               | 2.40            | 108.6 |
| 687      | 11/4/2011 17:01:19 | 11.82  | 50.47           | 32.99        | 9.58            | 7.92 | 4.1               | 2.44            | 108.9 |
| 688      | 11/4/2011 17:16:19 | 11.77  | 50.45           | 32.97        | 9.53            | 7.91 | 3.7               | 2.50            | 108.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 689      | 11/4/2011 17:31:19 | 11.67  | 50.63           | 33.09        | 9.39            | 7.90 | 3.8               | 2.57            | 106.5 |
| 690      | 11/4/2011 17:46:19 | 11.61  | 50.38           | 32.92        | 9.32            | 7.89 | 3.8               | 2.60            | 105.5 |
| 691      | 11/4/2011 18:01:19 | 11.52  | 50.52           | 33.01        | 9.20            | 7.88 | 4.0               | 2.66            | 104.0 |
| 692      | 11/4/2011 18:16:19 | 11.45  | 50.31           | 32.85        | 9.13            | 7.87 | 3.7               | 2.71            | 103.0 |
| 693      | 11/4/2011 18:31:19 | 11.41  | 50.21           | 32.78        | 9.08            | 7.87 | 3.8               | 2.76            | 102.2 |
| 694      | 11/4/2011 18:46:19 | 11.36  | 50.57           | 33.04        | 9.02            | 7.86 | 3.6               | 2.83            | 101.7 |
| 695      | 11/4/2011 19:01:19 | 11.32  | 50.67           | 33.11        | 8.99            | 7.86 | 3.7               | 2.87            | 101.3 |
| 696      | 11/4/2011 19:16:19 | 11.27  | 50.77           | 33.18        | 8.97            | 7.85 | 3.4               | 2.90            | 100.9 |
| 697      | 11/4/2011 19:31:19 | 11.20  | 50.68           | 33.11        | 8.93            | 7.85 | 3.5               | 2.92            | 100.3 |
| 698      | 11/4/2011 19:46:19 | 11.15  | 50.69           | 33.11        | 8.86            | 7.84 | 3.4               | 2.96            | 99.4  |
| 699      | 11/4/2011 20:01:19 | 11.10  | 50.66           | 33.09        | 8.81            | 7.84 | 3.2               | 3.00            | 98.8  |
| 700      | 11/4/2011 20:16:19 | 11.09  | 50.62           | 33.06        | 8.81            | 7.84 | 3.1               | 3.02            | 98.7  |
| 701      | 11/4/2011 20:31:19 | 11.18  | 50.55           | 33.01        | 8.82            | 7.85 | 3.2               | 3.04            | 98.9  |
| 702      | 11/4/2011 20:46:19 | 11.03  | 50.88           | 33.25        | 8.67            | 7.83 | 3.1               | 3.03            | 97.1  |
| 703      | 11/4/2011 21:01:19 | 11.10  | 50.94           | 33.29        | 8.65            | 7.82 | 3.2               | 3.02            | 97.1  |
| 704      | 11/4/2011 21:16:19 | 11.06  | 50.81           | 33.20        | 8.72            | 7.82 | 3.6               | 2.99            | 97.8  |
| 705      | 11/4/2011 21:31:19 | 11.11  | 50.64           | 33.08        | 8.71            | 7.83 | 4.3               | 2.93            | 97.6  |
| 706      | 11/4/2011 21:46:19 | 11.24  | 50.85           | 33.23        | 8.87            | 7.86 | 3.6               | 2.89            | 99.8  |
| 707      | 11/4/2011 22:01:19 | 11.33  | 50.58           | 33.04        | 8.99            | 7.88 | 3.8               | 2.84            | 101.3 |
| 708      | 11/4/2011 22:16:19 | 11.35  | 50.66           | 33.11        | 8.95            | 7.88 | 4.2               | 2.79            | 100.8 |
| 709      | 11/4/2011 22:31:19 | 11.28  | 50.80           | 33.20        | 8.81            | 7.87 | 4.0               | 2.69            | 99.1  |
| 710      | 11/4/2011 22:46:19 | 11.22  | 50.43           | 32.93        | 8.75            | 7.86 | 4.3               | 2.64            | 98.3  |
| 711      | 11/4/2011 23:01:19 | 11.14  | 50.80           | 33.19        | 8.76            | 7.86 | 4.3               | 2.57            | 98.3  |
| 712      | 11/4/2011 23:16:19 | 11.18  | 50.70           | 33.12        | 8.83            | 7.87 | 4.2               | 2.49            | 99.2  |
| 713      | 11/4/2011 23:31:19 | 11.23  | 50.49           | 32.97        | 8.92            | 7.89 | 4.4               | 2.42            | 100.2 |
| 714      | 11/4/2011 23:46:19 | 11.26  | 50.71           | 33.14        | 9.08            | 7.90 | 4.6               | 2.35            | 102.2 |
| 715      | 11/5/2011 00:01:19 | 11.34  | 50.44           | 32.94        | 9.06            | 7.92 | 4.7               | 2.27            | 101.9 |
| 716      | 11/5/2011 00:16:19 | 11.27  | 50.43           | 32.93        | 9.08            | 7.91 | 4.6               | 2.21            | 102.1 |
| 717      | 11/5/2011 00:31:19 | 11.18  | 50.41           | 32.91        | 9.05            | 7.90 | 4.7               | 2.14            | 101.5 |
| 718      | 11/5/2011 00:46:19 | 11.17  | 50.69           | 33.11        | 9.10            | 7.91 | 5.1               | 2.04            | 102.2 |
| 719      | 11/5/2011 01:01:19 | 11.29  | 50.21           | 32.77        | 9.31            | 7.94 | 4.8               | 2.01            | 104.5 |
| 720      | 11/5/2011 01:16:19 | 11.26  | 50.33           | 32.86        | 9.31            | 7.94 | 4.7               | 1.95            | 104.5 |
| 721      | 11/5/2011 01:31:19 | 11.27  | 50.53           | 33.00        | 9.37            | 7.95 | 4.8               | 1.88            | 105.4 |
| 722      | 11/5/2011 01:46:19 | 11.39  | 50.31           | 32.85        | 9.48            | 7.96 | 4.3               | 1.87            | 106.8 |
| 723      | 11/5/2011 02:01:19 | 11.46  | 50.20           | 32.77        | 9.65            | 7.98 | 4.4               | 1.82            | 108.7 |
| 724      | 11/5/2011 02:16:19 | 11.47  | 50.35           | 32.88        | 9.76            | 8.00 | 4.3               | 1.78            | 110.2 |
| 725      | 11/5/2011 02:31:19 | 11.42  | 49.97           | 32.60        | 9.71            | 7.99 | 4.3               | 1.82            | 109.3 |
| 726      | 11/5/2011 02:46:19 | 11.42  | 50.04           | 32.66        | 9.84            | 8.01 | 4.3               | 1.82            | 110.7 |
| 727      | 11/5/2011 03:01:19 | 11.41  | 50.15           | 32.73        | 9.78            | 8.00 | 3.9               | 1.83            | 110.1 |
| 728      | 11/5/2011 03:16:19 | 11.40  | 50.27           | 32.82        | 9.68            | 7.98 | 4.3               | 1.89            | 109.0 |
| 729      | 11/5/2011 03:31:19 | 11.39  | 50.33           | 32.86        | 9.60            | 7.97 | 4.1               | 1.93            | 108.1 |
| 730      | 11/5/2011 03:46:19 | 11.38  | 49.93           | 32.58        | 9.55            | 7.96 | 4.4               | 1.99            | 107.4 |
| 731      | 11/5/2011 04:01:19 | 11.23  | 49.96           | 32.59        | 9.35            | 7.95 | 4.9               | 2.06            | 104.7 |
| 732      | 11/5/2011 04:16:19 | 11.18  | 49.86           | 32.51        | 9.30            | 7.94 | 4.5               | 2.14            | 104.0 |
| 733      | 11/5/2011 04:31:19 | 11.17  | 49.48           | 32.24        | 9.27            | 7.93 | 4.5               | 2.22            | 103.5 |
| 734      | 11/5/2011 04:46:19 | 11.32  | 50.20           | 32.76        | 9.21            | 7.92 | 4.6               | 2.28            | 103.5 |
| 735      | 11/5/2011 05:01:19 | 11.34  | 50.27           | 32.82        | 9.16            | 7.91 | 4.3               | 2.34            | 103.0 |
| 736      | 11/5/2011 05:16:19 | 11.29  | 50.45           | 32.95        | 9.06            | 7.89 | 4.5               | 2.42            | 101.8 |
| 737      | 11/5/2011 05:31:19 | 11.25  | 50.20           | 32.77        | 8.99            | 7.88 | 4.1               | 2.48            | 100.8 |
| 738      | 11/5/2011 05:46:19 | 11.24  | 50.52           | 33.00        | 8.94            | 7.88 | 4.2               | 2.55            | 100.4 |
| 739      | 11/5/2011 06:01:19 | 11.24  | 50.18           | 32.74        | 8.97            | 7.87 | 4.2               | 2.63            | 100.6 |
| 740      | 11/5/2011 06:16:19 | 11.23  | 50.49           | 32.97        | 8.95            | 7.87 | 4.3               | 2.69            | 100.5 |
| 741      | 11/5/2011 06:31:19 | 11.16  | 50.51           | 32.98        | 8.91            | 7.86 | 4.8               | 2.78            | 99.9  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 742      | 11/5/2011 06:46:19 | 11.06  | 50.69  | 33.11        | 8.84    | 7.85 | 5.4        | 2.85            | 99.0  |
| 743      | 11/5/2011 07:01:19 | 10.99  | 50.59  | 33.03        | 8.80    | 7.84 | 5.3        | 2.92            | 98.4  |
| 744      | 11/5/2011 07:16:19 | 10.91  | 50.94  | 33.28        | 8.74    | 7.83 | 5.3        | 3.00            | 97.7  |
| 745      | 11/5/2011 07:31:19 | 10.70  | 50.58  | 33.00        | 8.74    | 7.81 | 6.5        | 3.07            | 97.1  |
| 746      | 11/5/2011 07:46:19 | 10.59  | 50.95  | 33.27        | 8.72    | 7.80 | 7.0        | 3.14            | 96.8  |
| 747      | 11/5/2011 08:01:19 | 10.52  | 51.14  | 33.40        | 8.71    | 7.80 | 7.1        | 3.20            | 96.7  |
| 748      | 11/5/2011 08:16:19 | 10.40  | 50.95  | 33.25        | 8.78    | 7.79 | 6.2        | 3.28            | 97.1  |
| 749      | 11/5/2011 08:31:19 | 10.31  | 51.16  | 33.41        | 8.81    | 7.79 | 5.4        | 3.33            | 97.3  |
| 750      | 11/5/2011 08:46:19 | 10.29  | 51.00  | 33.28        | 8.84    | 7.79 | 5.4        | 3.37            | 97.5  |
| 751      | 11/5/2011 09:01:19 | 10.20  | 51.26  | 33.47        | 8.90    | 7.78 | 4.6        | 3.39            | 98.1  |
| 752      | 11/5/2011 09:16:19 | 10.37  | 50.96  | 33.26        | 8.78    | 7.79 | 3.9        | 3.41            | 97.0  |
| 753      | 11/5/2011 09:31:19 | 10.22  | 51.16  | 33.40        | 8.82    | 7.78 | 4.1        | 3.41            | 97.2  |
| 754      | 11/5/2011 09:46:19 | 10.26  | 50.78  | 33.12        | 8.80    | 7.78 | 4.8        | 3.38            | 96.9  |
| 755      | 11/5/2011 10:01:19 | 10.26  | 51.17  | 33.41        | 8.84    | 7.78 | 5.3        | 3.35            | 97.5  |
| 756      | 11/5/2011 10:16:19 | 10.40  | 50.98  | 33.28        | 8.80    | 7.79 | 4.9        | 3.29            | 97.2  |
| 757      | 11/5/2011 10:31:19 | 10.69  | 50.72  | 33.11        | 8.81    | 7.83 | 5.2        | 3.23            | 97.8  |
| 758      | 11/5/2011 10:46:19 | 10.77  | 50.69  | 33.09        | 8.87    | 7.84 | 4.6        | 3.16            | 98.7  |
| 759      | 11/5/2011 11:01:19 | 10.80  | 50.58  | 33.01        | 8.86    | 7.85 | 4.9        | 3.08            | 98.6  |
| 760      | 11/5/2011 11:16:19 | 10.77  | 50.65  | 33.06        | 8.91    | 7.84 | 5.2        | 2.99            | 99.1  |
| 761      | 11/5/2011 11:31:19 | 10.75  | 50.64  | 33.05        | 8.92    | 7.85 | 5.5        | 2.91            | 99.2  |
| 762      | 11/5/2011 11:46:19 | 10.77  | 50.62  | 33.04        | 8.95    | 7.86 | 5.1        | 2.83            | 99.6  |
| 763      | 11/5/2011 12:01:19 | 10.78  | 50.56  | 33.00        | 8.98    | 7.86 | 5.1        | 2.74            | 99.9  |
| 764      | 11/5/2011 12:16:19 | 10.84  | 50.52  | 32.97        | 8.99    | 7.87 | 5.7        | 2.65            | 100.1 |
| 765      | 11/5/2011 12:31:19 | 10.85  | 50.47  | 32.94        | 9.01    | 7.87 | 5.9        | 2.58            | 100.3 |
| 766      | 11/5/2011 12:46:19 | 10.86  | 50.41  | 32.89        | 9.05    | 7.88 | 7.1        | 2.49            | 100.8 |
| 767      | 11/5/2011 13:01:19 | 10.86  | 50.35  | 32.85        | 9.11    | 7.89 | 7.9        | 2.40            | 101.4 |
| 768      | 11/5/2011 13:16:19 | 10.79  | 50.42  | 32.90        | 9.18    | 7.90 | 8.9        | 2.32            | 102.0 |
| 769      | 11/5/2011 13:31:19 | 10.85  | 50.21  | 32.75        | 9.24    | 7.92 | 7.9        | 2.24            | 102.8 |
| 770      | 11/5/2011 13:46:19 | 10.85  | 50.19  | 32.73        | 9.33    | 7.93 | 8.6        | 2.16            | 103.8 |
| 771      | 11/5/2011 14:01:19 | 10.88  | 50.27  | 32.80        | 9.41    | 7.94 | 10.3       | 2.08            | 104.7 |
| 772      | 11/5/2011 14:16:19 | 10.89  | 50.17  | 32.72        | 9.48    | 7.95 | 12.0       | 2.01            | 105.5 |
| 773      | 11/5/2011 14:31:19 | 10.87  | 50.01  | 32.61        | 9.48    | 7.96 | 9.8        | 1.95            | 105.4 |
| 774      | 11/5/2011 14:46:19 | 10.88  | 50.01  | 32.61        | 9.46    | 7.97 | 8.6        | 1.90            | 105.2 |
| 775      | 11/5/2011 15:01:19 | 10.87  | 50.42  | 32.90        | 9.49    | 7.97 | 8.1        | 1.87            | 105.7 |
| 776      | 11/5/2011 15:16:19 | 10.90  | 49.97  | 32.58        | 9.45    | 7.98 | 7.6        | 1.85            | 105.1 |
| 777      | 11/5/2011 15:31:19 | 10.90  | 49.76  | 32.43        | 9.42    | 7.97 | 8.5        | 1.85            | 104.7 |
| 778      | 11/5/2011 15:46:19 | 10.91  | 50.22  | 32.76        | 9.45    | 7.97 | 7.5        | 1.86            | 105.3 |
| 779      | 11/5/2011 16:01:19 | 10.90  | 50.29  | 32.81        | 9.46    | 7.96 | 7.8        | 1.89            | 105.4 |
| 780      | 11/5/2011 16:16:19 | 10.90  | 50.24  | 32.77        | 9.44    | 7.96 | 6.8        | 1.92            | 105.2 |
| 781      | 11/5/2011 16:31:19 | 10.91  | 50.19  | 32.74        | 9.43    | 7.95 | 6.4        | 1.97            | 105.0 |
| 782      | 11/5/2011 16:46:19 | 10.89  | 50.10  | 32.67        | 9.39    | 7.95 | 6.1        | 2.02            | 104.5 |
| 783      | 11/5/2011 17:01:19 | 10.80  | 50.10  | 32.66        | 9.32    | 7.93 | 5.7        | 2.08            | 103.6 |
| 784      | 11/5/2011 17:16:19 | 10.77  | 50.07  | 32.64        | 9.28    | 7.92 | 5.5        | 2.14            | 103.0 |
| 785      | 11/5/2011 17:31:19 | 10.84  | 49.79  | 32.44        | 9.28    | 7.92 | 5.6        | 2.20            | 103.0 |
| 786      | 11/5/2011 17:46:19 | 10.87  | 50.17  | 32.72        | 9.25    | 7.92 | 5.0        | 2.26            | 102.9 |
| 787      | 11/5/2011 18:01:19 | 10.88  | 50.44  | 32.91        | 9.21    | 7.91 | 4.9        | 2.33            | 102.7 |
| 788      | 11/5/2011 18:16:19 | 10.87  | 50.37  | 32.86        | 9.14    | 7.89 | 4.9        | 2.39            | 101.8 |
| 789      | 11/5/2011 18:31:19 | 10.83  | 50.70  | 33.11        | 9.06    | 7.87 | 4.4        | 2.46            | 101.0 |
| 790      | 11/5/2011 18:46:19 | 10.83  | 50.13  | 32.69        | 9.06    | 7.87 | 4.2        | 2.51            | 100.7 |
| 791      | 11/5/2011 19:01:19 | 10.86  | 50.60  | 33.03        | 9.05    | 7.87 | 4.3        | 2.57            | 100.8 |
| 792      | 11/5/2011 19:16:19 | 10.86  | 50.78  | 33.16        | 9.03    | 7.87 | 4.3        | 2.64            | 100.7 |
| 793      | 11/5/2011 19:31:19 | 10.87  | 50.50  | 32.96        | 9.02    | 7.88 | 4.3        | 2.69            | 100.5 |
| 794      | 11/5/2011 19:46:19 | 10.88  | 50.28  | 32.80        | 9.02    | 7.87 | 4.5        | 2.75            | 100.4 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 795      | 11/5/2011 20:01:19 | 10.87  | 50.59           | 33.03        | 8.99            | 7.87 | 4.5               | 2.81            | 100.2 |
| 796      | 11/5/2011 20:16:19 | 10.82  | 50.61           | 33.04        | 8.96            | 7.86 | 4.3               | 2.86            | 99.8  |
| 797      | 11/5/2011 20:31:19 | 10.78  | 50.59           | 33.02        | 8.94            | 7.86 | 3.9               | 2.91            | 99.4  |
| 798      | 11/5/2011 20:46:19 | 10.75  | 50.66           | 33.07        | 8.93            | 7.85 | 3.8               | 2.95            | 99.3  |
| 799      | 11/5/2011 21:01:19 | 10.72  | 50.44           | 32.90        | 8.92            | 7.84 | 3.8               | 3.00            | 99.1  |
| 800      | 11/5/2011 21:16:19 | 10.66  | 50.88           | 33.22        | 8.89            | 7.83 | 3.6               | 3.02            | 98.8  |
| 801      | 11/5/2011 21:31:19 | 10.62  | 50.76           | 33.13        | 8.85            | 7.82 | 3.5               | 3.04            | 98.2  |
| 802      | 11/5/2011 21:46:19 | 10.59  | 50.82           | 33.18        | 8.78            | 7.82 | 3.4               | 3.05            | 97.4  |
| 803      | 11/5/2011 22:01:19 | 10.63  | 50.82           | 33.17        | 8.74            | 7.82 | 3.3               | 3.05            | 97.0  |
| 804      | 11/5/2011 22:16:19 | 10.61  | 50.71           | 33.09        | 8.75            | 7.82 | 3.5               | 3.03            | 97.1  |
| 805      | 11/5/2011 22:31:19 | 10.65  | 50.64           | 33.05        | 8.80            | 7.83 | 3.8               | 3.00            | 97.7  |
| 806      | 11/5/2011 22:46:19 | 10.69  | 50.70           | 33.09        | 8.77            | 7.83 | 4.2               | 2.95            | 97.5  |
| 807      | 11/5/2011 23:01:19 | 10.72  | 50.67           | 33.07        | 8.73            | 7.84 | 4.4               | 2.90            | 97.1  |
| 808      | 11/5/2011 23:16:19 | 10.73  | 50.72           | 33.11        | 8.71            | 7.85 | 4.2               | 2.83            | 96.9  |
| 809      | 11/5/2011 23:31:19 | 10.74  | 50.71           | 33.10        | 8.81            | 7.85 | 5.0               | 2.76            | 98.0  |
| 810      | 11/5/2011 23:46:19 | 10.74  | 50.37           | 32.86        | 8.82            | 7.86 | 4.8               | 2.69            | 98.0  |
| 811      | 11/6/2011 00:01:19 | 10.75  | 50.57           | 33.00        | 8.83            | 7.88 | 4.9               | 2.61            | 98.1  |
| 812      | 11/6/2011 00:16:19 | 10.77  | 50.32           | 32.82        | 8.85            | 7.89 | 4.9               | 2.54            | 98.3  |
| 813      | 11/6/2011 00:31:19 | 10.75  | 50.62           | 33.04        | 8.79            | 7.88 | 5.1               | 2.47            | 97.8  |
| 814      | 11/6/2011 00:46:19 | 10.76  | 50.31           | 32.82        | 8.78            | 7.89 | 5.2               | 2.39            | 97.5  |
| 815      | 11/6/2011 01:01:19 | 10.76  | 50.26           | 32.78        | 8.80            | 7.90 | 5.4               | 2.32            | 97.8  |
| 816      | 11/6/2011 01:16:19 | 10.72  | 50.27           | 32.78        | 8.73            | 7.90 | 5.6               | 2.26            | 96.8  |
| 817      | 11/6/2011 01:31:19 | 10.72  | 50.39           | 32.87        | 8.78            | 7.90 | 5.5               | 2.18            | 97.5  |
| 818      | 11/6/2011 01:46:19 | 10.68  | 50.33           | 32.82        | 8.75            | 7.89 | 5.4               | 2.12            | 97.1  |
| 819      | 11/6/2011 02:01:19 | 10.65  | 50.49           | 32.93        | 8.70            | 7.89 | 7.3               | 2.06            | 96.5  |
| 820      | 11/6/2011 02:16:19 | 10.67  | 50.46           | 32.92        | 8.80            | 7.90 | 5.7               | 2.02            | 97.7  |
| 821      | 11/6/2011 02:31:19 | 10.67  | 50.42           | 32.89        | 8.82            | 7.91 | 4.9               | 2.00            | 97.8  |
| 822      | 11/6/2011 02:46:19 | 10.64  | 50.12           | 32.67        | 8.91            | 7.93 | 4.9               | 1.94            | 98.7  |
| 823      | 11/6/2011 03:01:19 | 10.59  | 50.24           | 32.75        | 8.95            | 7.94 | 4.8               | 1.91            | 99.0  |
| 824      | 11/6/2011 03:16:19 | 10.55  | 50.08           | 32.63        | 8.95            | 7.95 | 4.7               | 1.92            | 98.9  |
| 825      | 11/6/2011 03:31:19 | 10.52  | 50.07           | 32.63        | 8.95            | 7.94 | 4.6               | 1.94            | 98.8  |
| 826      | 11/6/2011 03:46:19 | 10.54  | 50.24           | 32.75        | 8.92            | 7.94 | 4.4               | 1.92            | 98.5  |
| 827      | 11/6/2011 04:01:19 | 10.60  | 50.24           | 32.75        | 8.88            | 7.92 | 4.7               | 1.97            | 98.3  |
| 828      | 11/6/2011 04:16:19 | 10.64  | 50.30           | 32.80        | 8.91            | 7.92 | 4.6               | 2.03            | 98.7  |
| 829      | 11/6/2011 04:31:19 | 10.65  | 50.26           | 32.77        | 8.88            | 7.91 | 4.7               | 2.09            | 98.4  |
| 830      | 11/6/2011 04:46:19 | 10.53  | 50.08           | 32.63        | 8.84            | 7.90 | 5.2               | 2.16            | 97.6  |
| 831      | 11/6/2011 05:01:19 | 10.48  | 49.86           | 32.47        | 8.83            | 7.89 | 4.9               | 2.23            | 97.2  |
| 832      | 11/6/2011 05:16:19 | 10.60  | 50.15           | 32.69        | 8.81            | 7.89 | 4.8               | 2.30            | 97.5  |
| 833      | 11/6/2011 05:31:19 | 10.64  | 50.15           | 32.69        | 8.80            | 7.88 | 4.9               | 2.37            | 97.4  |
| 834      | 11/6/2011 05:46:19 | 10.67  | 50.41           | 32.88        | 8.77            | 7.88 | 4.6               | 2.44            | 97.2  |
| 835      | 11/6/2011 06:01:19 | 10.69  | 50.47           | 32.93        | 8.76            | 7.87 | 4.6               | 2.50            | 97.2  |
| 836      | 11/6/2011 06:16:19 | 10.69  | 50.44           | 32.90        | 8.77            | 7.86 | 4.4               | 2.57            | 97.3  |
| 837      | 11/6/2011 06:31:19 | 10.70  | 50.61           | 33.03        | 8.78            | 7.86 | 4.3               | 2.65            | 97.6  |
| 838      | 11/6/2011 06:46:19 | 10.70  | 50.53           | 32.97        | 8.80            | 7.86 | 4.6               | 2.72            | 97.7  |
| 839      | 11/6/2011 07:01:19 | 10.69  | 50.34           | 32.83        | 8.83            | 7.86 | 5.3               | 2.79            | 97.9  |
| 840      | 11/6/2011 07:16:19 | 10.65  | 50.47           | 32.92        | 8.82            | 7.85 | 5.2               | 2.87            | 97.8  |
| 841      | 11/6/2011 07:31:19 | 10.59  | 50.52           | 32.96        | 8.82            | 7.84 | 6.3               | 2.96            | 97.7  |
| 842      | 11/6/2011 07:46:19 | 10.54  | 50.76           | 33.12        | 8.82            | 7.83 | 5.9               | 3.03            | 97.7  |
| 843      | 11/6/2011 08:01:19 | 10.46  | 50.76           | 33.12        | 8.83            | 7.82 | 6.4               | 3.11            | 97.7  |
| 844      | 11/6/2011 08:16:19 | 10.33  | 50.76           | 33.11        | 8.87            | 7.81 | 7.1               | 3.19            | 97.8  |
| 845      | 11/6/2011 08:31:19 | 10.24  | 50.82           | 33.15        | 8.88            | 7.80 | 6.6               | 3.27            | 97.7  |
| 846      | 11/6/2011 08:46:19 | 10.16  | 50.66           | 33.03        | 8.90            | 7.80 | 6.6               | 3.34            | 97.7  |
| 847      | 11/6/2011 09:01:19 | 10.07  | 50.99           | 33.27        | 8.91            | 7.78 | 6.1               | 3.40            | 97.7  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 848      | 11/6/2011 09:16:19 | 10.01  | 51.13           | 33.36        | 8.92            | 7.79 | 4.8               | 3.45            | 97.8  |
| 849      | 11/6/2011 09:31:19 | 9.99   | 50.92           | 33.20        | 8.92            | 7.78 | 4.8               | 3.48            | 97.7  |
| 850      | 11/6/2011 09:46:19 | 9.98   | 51.28           | 33.47        | 8.83            | 7.77 | 3.9               | 3.50            | 96.9  |
| 851      | 11/6/2011 10:01:19 | 10.05  | 50.89           | 33.19        | 8.81            | 7.78 | 4.7               | 3.50            | 96.6  |
| 852      | 11/6/2011 10:16:19 | 9.99   | 51.00           | 33.26        | 8.86            | 7.78 | 4.8               | 3.49            | 97.1  |
| 853      | 11/6/2011 10:31:19 | 10.00  | 51.16           | 33.38        | 8.85            | 7.77 | 5.2               | 3.45            | 97.1  |
| 854      | 11/6/2011 10:46:19 | 10.04  | 51.04           | 33.30        | 8.86            | 7.78 | 5.6               | 3.40            | 97.2  |
| 855      | 11/6/2011 11:01:19 | 10.34  | 50.67           | 33.05        | 8.86            | 7.81 | 5.1               | 3.32            | 97.6  |
| 856      | 11/6/2011 11:16:19 | 10.42  | 50.69           | 33.07        | 8.97            | 7.81 | 4.9               | 3.27            | 99.0  |
| 857      | 11/6/2011 11:31:19 | 10.38  | 50.77           | 33.12        | 9.05            | 7.82 | 4.2               | 3.18            | 99.9  |
| 858      | 11/6/2011 11:46:19 | 10.47  | 50.44           | 32.89        | 8.94            | 7.83 | 4.7               | 3.08            | 98.7  |
| 859      | 11/6/2011 12:01:19 | 10.53  | 50.54           | 32.96        | 8.88            | 7.84 | 4.6               | 3.00            | 98.3  |
| 860      | 11/6/2011 12:16:19 | 10.58  | 50.50           | 32.94        | 8.88            | 7.84 | 4.8               | 2.92            | 98.3  |
| 861      | 11/6/2011 12:31:19 | 10.63  | 50.39           | 32.86        | 8.87            | 7.85 | 5.1               | 2.82            | 98.2  |
| 862      | 11/6/2011 12:46:19 | 10.69  | 50.46           | 32.92        | 8.93            | 7.86 | 4.9               | 2.74            | 99.1  |
| 863      | 11/6/2011 13:01:19 | 10.73  | 50.28           | 32.79        | 8.99            | 7.87 | 4.6               | 2.65            | 99.8  |
| 864      | 11/6/2011 13:16:19 | 10.81  | 50.22           | 32.75        | 9.21            | 7.88 | 4.2               | 2.56            | 102.4 |
| 865      | 11/6/2011 13:31:19 | 10.89  | 50.32           | 32.83        | 9.47            | 7.89 | 4.0               | 2.46            | 105.5 |
| 866      | 11/6/2011 13:46:19 | 10.96  | 50.47           | 32.94        | 9.66            | 7.90 | 4.0               | 2.36            | 107.8 |
| 867      | 11/6/2011 14:01:19 | 11.00  | 50.52           | 32.98        | 9.57            | 7.91 | 4.4               | 2.26            | 107.0 |
| 868      | 11/6/2011 14:16:19 | 11.10  | 50.26           | 32.80        | 9.83            | 7.92 | 4.4               | 2.17            | 110.0 |
| 869      | 11/6/2011 14:31:19 | 11.09  | 50.30           | 32.82        | 9.62            | 7.93 | 4.8               | 2.09            | 107.7 |
| 870      | 11/6/2011 14:46:19 | 11.27  | 50.32           | 32.85        | 10.00           | 7.95 | 4.5               | 1.99            | 112.4 |
| 871      | 11/6/2011 15:01:19 | 11.30  | 50.40           | 32.91        | 10.04           | 7.96 | 4.6               | 1.90            | 112.9 |
| 872      | 11/6/2011 15:16:19 | 11.22  | 50.03           | 32.63        | 9.92            | 7.96 | 4.8               | 1.84            | 111.2 |
| 873      | 11/6/2011 15:31:19 | 11.30  | 50.16           | 32.74        | 9.94            | 7.96 | 4.8               | 1.77            | 111.7 |
| 874      | 11/6/2011 15:46:19 | 11.32  | 49.99           | 32.61        | 9.96            | 7.96 | 4.8               | 1.72            | 111.8 |
| 875      | 11/6/2011 16:01:19 | 11.31  | 49.96           | 32.59        | 9.87            | 7.97 | 4.8               | 1.67            | 110.8 |
| 876      | 11/6/2011 16:16:19 | 11.28  | 50.01           | 32.63        | 9.63            | 7.97 | 5.0               | 1.69            | 108.1 |
| 877      | 11/6/2011 16:31:19 | 11.24  | 50.01           | 32.63        | 9.92            | 7.98 | 4.3               | 1.65            | 111.1 |
| 878      | 11/6/2011 16:46:19 | 11.13  | 49.90           | 32.54        | 9.80            | 7.99 | 4.7               | 1.70            | 109.6 |
| 879      | 11/6/2011 17:01:19 | 11.11  | 49.93           | 32.56        | 9.79            | 7.99 | 4.5               | 1.74            | 109.4 |
| 880      | 11/6/2011 17:16:19 | 11.03  | 50.01           | 32.61        | 9.65            | 7.99 | 4.5               | 1.79            | 107.6 |
| 881      | 11/6/2011 17:31:19 | 11.01  | 49.94           | 32.56        | 9.60            | 7.98 | 4.4               | 1.85            | 107.1 |
| 882      | 11/6/2011 17:46:19 | 10.98  | 49.57           | 32.29        | 9.54            | 7.97 | 4.8               | 1.92            | 106.2 |
| 883      | 11/6/2011 18:01:19 | 10.98  | 49.85           | 32.50        | 9.47            | 7.96 | 4.6               | 2.01            | 105.5 |
| 884      | 11/6/2011 18:16:19 | 10.94  | 49.64           | 32.34        | 9.40            | 7.95 | 4.6               | 2.09            | 104.5 |
| 885      | 11/6/2011 18:31:19 | 10.92  | 49.45           | 32.20        | 9.36            | 7.94 | 4.8               | 2.16            | 103.9 |
| 886      | 11/6/2011 18:46:19 | 10.90  | 49.83           | 32.47        | 9.28            | 7.93 | 4.9               | 2.22            | 103.2 |
| 887      | 11/6/2011 19:01:19 | 10.88  | 49.82           | 32.47        | 9.23            | 7.92 | 4.6               | 2.30            | 102.6 |
| 888      | 11/6/2011 19:16:19 | 10.87  | 49.53           | 32.25        | 9.23            | 7.91 | 4.6               | 2.37            | 102.4 |
| 889      | 11/6/2011 19:31:19 | 10.84  | 49.83           | 32.47        | 9.10            | 7.90 | 4.6               | 2.45            | 101.0 |
| 890      | 11/6/2011 19:46:19 | 10.82  | 50.05           | 32.63        | 9.02            | 7.89 | 4.6               | 2.51            | 100.2 |
| 891      | 11/6/2011 20:01:19 | 10.81  | 50.06           | 32.64        | 8.99            | 7.89 | 4.5               | 2.58            | 99.9  |
| 892      | 11/6/2011 20:16:19 | 10.81  | 50.38           | 32.87        | 8.97            | 7.88 | 4.8               | 2.64            | 99.8  |
| 893      | 11/6/2011 20:31:19 | 10.78  | 50.21           | 32.74        | 8.96            | 7.88 | 4.8               | 2.70            | 99.5  |
| 894      | 11/6/2011 20:46:19 | 10.75  | 50.33           | 32.83        | 8.94            | 7.87 | 4.6               | 2.77            | 99.3  |
| 895      | 11/6/2011 21:01:19 | 10.71  | 50.00           | 32.59        | 8.95            | 7.87 | 4.4               | 2.83            | 99.1  |
| 896      | 11/6/2011 21:16:19 | 10.69  | 50.39           | 32.87        | 8.91            | 7.86 | 4.5               | 2.88            | 98.9  |
| 897      | 11/6/2011 21:31:19 | 10.66  | 50.15           | 32.69        | 8.92            | 7.85 | 4.6               | 2.92            | 98.8  |
| 898      | 11/6/2011 21:46:19 | 10.65  | 50.43           | 32.90        | 8.89            | 7.85 | 4.1               | 2.98            | 98.6  |
| 899      | 11/6/2011 22:01:19 | 10.62  | 50.28           | 32.78        | 8.89            | 7.85 | 4.3               | 3.03            | 98.4  |
| 900      | 11/6/2011 22:16:19 | 10.61  | 50.48           | 32.93        | 8.84            | 7.84 | 4.0               | 3.05            | 97.9  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 901      | 11/6/2011 22:31:19 | 10.58  | 50.31           | 32.80        | 8.83            | 7.84 | 3.6               | 3.08            | 97.7  |
| 902      | 11/6/2011 22:46:19 | 10.59  | 50.25           | 32.76        | 8.81            | 7.84 | 3.7               | 3.07            | 97.5  |
| 903      | 11/6/2011 23:01:19 | 10.57  | 50.47           | 32.92        | 8.77            | 7.83 | 3.8               | 3.07            | 97.1  |
| 904      | 11/6/2011 23:16:19 | 10.59  | 50.40           | 32.87        | 8.77            | 7.83 | 3.7               | 3.06            | 97.1  |
| 905      | 11/6/2011 23:31:19 | 10.59  | 50.47           | 32.92        | 8.74            | 7.84 | 3.4               | 3.04            | 96.8  |
| 906      | 11/6/2011 23:46:19 | 10.63  | 50.05           | 32.62        | 8.75            | 7.85 | 4.2               | 2.96            | 96.8  |
| 907      | 11/7/2011 00:01:19 | 10.63  | 50.13           | 32.67        | 8.66            | 7.87 | 4.3               | 2.91            | 95.9  |
| 908      | 11/7/2011 00:16:19 | 10.66  | 50.28           | 32.78        | 8.73            | 7.86 | 4.7               | 2.84            | 96.8  |
| 909      | 11/7/2011 00:31:19 | 10.65  | 49.96           | 32.56        | 8.69            | 7.86 | 4.5               | 2.78            | 96.1  |
| 910      | 11/7/2011 00:46:19 | 10.62  | 50.12           | 32.67        | 8.65            | 7.86 | 4.6               | 2.70            | 95.7  |
| 911      | 11/7/2011 01:01:19 | 10.61  | 50.10           | 32.65        | 8.70            | 7.86 | 4.5               | 2.63            | 96.3  |
| 912      | 11/7/2011 01:16:19 | 10.61  | 50.31           | 32.80        | 8.70            | 7.86 | 4.6               | 2.57            | 96.3  |
| 913      | 11/7/2011 01:31:19 | 10.64  | 50.14           | 32.68        | 8.73            | 7.86 | 4.6               | 2.50            | 96.6  |
| 914      | 11/7/2011 01:46:19 | 10.67  | 50.12           | 32.67        | 8.79            | 7.88 | 4.6               | 2.43            | 97.4  |
| 915      | 11/7/2011 02:01:19 | 10.68  | 50.07           | 32.63        | 8.74            | 7.88 | 4.8               | 2.35            | 96.8  |
| 916      | 11/7/2011 02:16:19 | 10.69  | 50.01           | 32.59        | 8.77            | 7.88 | 4.7               | 2.30            | 97.1  |
| 917      | 11/7/2011 02:31:19 | 10.67  | 49.88           | 32.50        | 8.73            | 7.88 | 4.6               | 2.23            | 96.6  |
| 918      | 11/7/2011 02:46:19 | 10.65  | 50.15           | 32.69        | 8.73            | 7.88 | 4.8               | 2.17            | 96.7  |
| 919      | 11/7/2011 03:01:19 | 10.63  | 49.87           | 32.49        | 8.84            | 7.90 | 4.6               | 2.12            | 97.7  |
| 920      | 11/7/2011 03:16:19 | 10.65  | 49.91           | 32.52        | 8.92            | 7.91 | 4.4               | 2.10            | 98.6  |
| 921      | 11/7/2011 03:31:19 | 10.64  | 49.89           | 32.51        | 8.94            | 7.92 | 4.3               | 2.04            | 98.8  |
| 922      | 11/7/2011 03:46:19 | 10.65  | 49.80           | 32.44        | 8.96            | 7.92 | 4.1               | 1.99            | 99.0  |
| 923      | 11/7/2011 04:01:19 | 10.67  | 49.76           | 32.41        | 8.98            | 7.94 | 3.9               | 2.01            | 99.3  |
| 924      | 11/7/2011 04:16:19 | 10.64  | 49.79           | 32.43        | 8.95            | 7.93 | 4.3               | 2.02            | 98.9  |
| 925      | 11/7/2011 04:31:19 | 10.66  | 49.63           | 32.32        | 8.93            | 7.92 | 4.2               | 2.01            | 98.6  |
| 926      | 11/7/2011 04:46:19 | 10.65  | 49.82           | 32.45        | 8.90            | 7.91 | 4.6               | 2.07            | 98.4  |
| 927      | 11/7/2011 05:01:19 | 10.65  | 49.92           | 32.52        | 8.92            | 7.91 | 4.5               | 2.12            | 98.6  |
| 928      | 11/7/2011 05:16:19 | 10.66  | 49.73           | 32.39        | 8.90            | 7.91 | 4.6               | 2.17            | 98.4  |
| 929      | 11/7/2011 05:31:19 | 10.64  | 49.62           | 32.31        | 8.89            | 7.90 | 4.5               | 2.24            | 98.2  |
| 930      | 11/7/2011 05:46:19 | 10.64  | 49.67           | 32.34        | 8.88            | 7.89 | 4.5               | 2.32            | 98.0  |
| 931      | 11/7/2011 06:01:19 | 10.64  | 49.69           | 32.36        | 8.86            | 7.89 | 4.5               | 2.39            | 97.8  |
| 932      | 11/7/2011 06:16:19 | 10.65  | 49.84           | 32.47        | 8.84            | 7.89 | 4.8               | 2.47            | 97.8  |
| 933      | 11/7/2011 06:31:19 | 10.66  | 49.89           | 32.50        | 8.81            | 7.88 | 4.9               | 2.55            | 97.5  |
| 934      | 11/7/2011 06:46:19 | 10.63  | 50.04           | 32.61        | 8.77            | 7.87 | 4.8               | 2.61            | 97.1  |
| 935      | 11/7/2011 07:01:19 | 10.61  | 50.34           | 32.83        | 8.76            | 7.86 | 4.7               | 2.69            | 97.0  |
| 936      | 11/7/2011 07:16:19 | 10.61  | 50.28           | 32.78        | 8.78            | 7.85 | 4.6               | 2.77            | 97.2  |
| 937      | 11/7/2011 07:31:19 | 10.62  | 50.43           | 32.89        | 8.77            | 7.85 | 4.8               | 2.83            | 97.2  |
| 938      | 11/7/2011 07:46:19 | 10.61  | 50.39           | 32.86        | 8.80            | 7.85 | 5.1               | 2.92            | 97.5  |
| 939      | 11/7/2011 08:01:19 | 10.58  | 50.37           | 32.85        | 8.79            | 7.84 | 5.6               | 2.99            | 97.3  |
| 940      | 11/7/2011 08:16:19 | 10.53  | 50.41           | 32.87        | 8.79            | 7.83 | 5.5               | 3.07            | 97.2  |
| 941      | 11/7/2011 08:31:19 | 10.48  | 50.50           | 32.93        | 8.82            | 7.83 | 5.4               | 3.14            | 97.4  |
| 942      | 11/7/2011 08:46:19 | 10.41  | 50.63           | 33.03        | 8.85            | 7.83 | 6.1               | 3.22            | 97.7  |
| 943      | 11/7/2011 09:01:19 | 10.28  | 50.69           | 33.06        | 8.95            | 7.82 | 6.8               | 3.29            | 98.6  |
| 944      | 11/7/2011 09:16:19 | 10.20  | 50.73           | 33.08        | 9.01            | 7.82 | 6.2               | 3.35            | 99.1  |
| 945      | 11/7/2011 09:31:19 | 10.12  | 50.99           | 33.27        | 9.10            | 7.81 | 5.9               | 3.42            | 99.9  |
| 946      | 11/7/2011 09:46:19 | 10.05  | 50.91           | 33.20        | 9.19            | 7.81 | 5.2               | 3.48            | 100.8 |
| 947      | 11/7/2011 10:01:19 | 10.02  | 51.15           | 33.38        | 9.25            | 7.81 | 4.2               | 3.52            | 101.5 |
| 948      | 11/7/2011 10:16:19 | 10.02  | 51.13           | 33.36        | 9.29            | 7.81 | 3.5               | 3.54            | 101.9 |
| 949      | 11/7/2011 10:31:19 | 10.08  | 50.74           | 33.09        | 9.19            | 7.82 | 4.2               | 3.54            | 100.7 |
| 950      | 11/7/2011 10:46:19 | 10.06  | 51.16           | 33.39        | 9.11            | 7.81 | 4.1               | 3.54            | 100.1 |
| 951      | 11/7/2011 11:01:19 | 10.03  | 50.75           | 33.09        | 9.32            | 7.81 | 3.9               | 3.51            | 102.1 |
| 952      | 11/7/2011 11:16:19 | 10.05  | 51.16           | 33.39        | 9.21            | 7.81 | 4.5               | 3.46            | 101.1 |
| 953      | 11/7/2011 11:31:19 | 10.28  | 50.57           | 32.97        | 9.13            | 7.83 | 5.1               | 3.39            | 100.4 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 954      | 11/7/2011 11:46:19 | 10.39  | 50.60           | 33.00        | 9.07            | 7.84 | 5.0               | 3.33            | 100.0 |
| 955      | 11/7/2011 12:01:19 | 10.44  | 50.54           | 32.96        | 9.23            | 7.84 | 4.3               | 3.23            | 102.0 |
| 956      | 11/7/2011 12:16:19 | 10.45  | 50.52           | 32.94        | 9.34            | 7.85 | 4.5               | 3.13            | 103.1 |
| 957      | 11/7/2011 12:31:19 | 10.56  | 50.43           | 32.89        | 9.15            | 7.86 | 4.9               | 3.05            | 101.3 |
| 958      | 11/7/2011 12:46:19 | 10.59  | 50.34           | 32.83        | 9.08            | 7.86 | 5.2               | 2.96            | 100.5 |
| 959      | 11/7/2011 13:01:19 | 10.63  | 50.29           | 32.79        | 9.04            | 7.86 | 4.7               | 2.88            | 100.1 |
| 960      | 11/7/2011 13:16:19 | 10.72  | 50.04           | 32.61        | 9.17            | 7.88 | 4.9               | 2.76            | 101.6 |
| 961      | 11/7/2011 13:31:19 | 10.80  | 49.89           | 32.51        | 9.24            | 7.90 | 5.0               | 2.66            | 102.5 |
| 962      | 11/7/2011 13:46:19 | 10.82  | 50.13           | 32.69        | 9.37            | 7.89 | 4.5               | 2.56            | 104.1 |
| 963      | 11/7/2011 14:01:19 | 10.98  | 50.16           | 32.72        | 9.71            | 7.90 | 4.9               | 2.44            | 108.3 |
| 964      | 11/7/2011 14:16:19 | 11.04  | 50.13           | 32.70        | 9.73            | 7.92 | 5.2               | 2.34            | 108.7 |
| 965      | 11/7/2011 14:31:19 | 11.13  | 50.31           | 32.83        | 9.85            | 7.92 | 4.6               | 2.23            | 110.3 |
| 966      | 11/7/2011 14:46:19 | 11.18  | 50.04           | 32.65        | 9.96            | 7.94 | 4.7               | 2.11            | 111.5 |
| 967      | 11/7/2011 15:01:19 | 11.28  | 49.95           | 32.59        | 10.13           | 7.95 | 4.7               | 2.00            | 113.6 |
| 968      | 11/7/2011 15:16:19 | 11.34  | 50.19           | 32.76        | 9.99            | 7.96 | 5.3               | 1.89            | 112.3 |
| 969      | 11/7/2011 15:31:19 | 11.34  | 49.87           | 32.53        | 10.03           | 7.96 | 4.9               | 1.81            | 112.6 |
| 970      | 11/7/2011 15:46:19 | 11.36  | 50.10           | 32.69        | 9.97            | 7.96 | 4.8               | 1.70            | 112.1 |
| 971      | 11/7/2011 16:01:19 | 11.40  | 49.97           | 32.61        | 10.03           | 7.97 | 5.4               | 1.64            | 112.8 |
| 972      | 11/7/2011 16:16:19 | 11.26  | 49.94           | 32.57        | 9.90            | 7.97 | 4.6               | 1.59            | 111.0 |
| 973      | 11/7/2011 16:31:19 | 11.26  | 49.81           | 32.48        | 9.87            | 7.97 | 4.6               | 1.56            | 110.6 |
| 974      | 11/7/2011 16:46:19 | 11.29  | 49.77           | 32.45        | 10.05           | 7.99 | 5.0               | 1.52            | 112.6 |
| 975      | 11/7/2011 17:01:19 | 11.52  | 49.76           | 32.46        | 10.18           | 7.99 | 5.6               | 1.51            | 114.7 |
| 976      | 11/7/2011 17:16:19 | 11.33  | 49.84           | 32.51        | 10.24           | 8.00 | 4.8               | 1.54            | 114.9 |
| 977      | 11/7/2011 17:31:19 | 11.19  | 49.82           | 32.49        | 10.26           | 8.02 | 4.6               | 1.56            | 114.8 |
| 978      | 11/7/2011 17:46:19 | 11.21  | 49.91           | 32.55        | 10.27           | 8.02 | 4.3               | 1.61            | 115.0 |
| 979      | 11/7/2011 18:01:19 | 11.20  | 49.66           | 32.37        | 10.26           | 8.01 | 4.3               | 1.69            | 114.7 |
| 980      | 11/7/2011 18:16:19 | 11.17  | 49.55           | 32.29        | 10.17           | 8.01 | 4.5               | 1.76            | 113.6 |
| 981      | 11/7/2011 18:31:19 | 11.11  | 48.74           | 31.70        | 10.05           | 7.99 | 6.6               | 1.84            | 111.7 |
| 982      | 11/7/2011 18:46:19 | 11.12  | 48.95           | 31.85        | 9.91            | 7.98 | 5.3               | 1.91            | 110.2 |
| 983      | 11/7/2011 19:01:19 | 11.10  | 48.91           | 31.82        | 9.82            | 7.97 | 4.9               | 1.99            | 109.2 |
| 984      | 11/7/2011 19:16:19 | 11.09  | 48.84           | 31.77        | 9.76            | 7.96 | 4.7               | 2.07            | 108.5 |
| 985      | 11/7/2011 19:31:19 | 11.08  | 49.02           | 31.90        | 9.70            | 7.96 | 4.7               | 2.15            | 107.9 |
| 986      | 11/7/2011 19:46:19 | 11.06  | 49.13           | 31.98        | 9.64            | 7.95 | 4.6               | 2.22            | 107.2 |
| 987      | 11/7/2011 20:01:19 | 11.03  | 49.56           | 32.29        | 9.53            | 7.93 | 4.3               | 2.29            | 106.1 |
| 988      | 11/7/2011 20:16:19 | 10.99  | 49.89           | 32.52        | 9.39            | 7.91 | 4.3               | 2.37            | 104.6 |
| 989      | 11/7/2011 20:31:19 | 10.93  | 49.70           | 32.38        | 9.26            | 7.90 | 4.6               | 2.45            | 102.9 |
| 990      | 11/7/2011 20:46:19 | 10.86  | 49.64           | 32.34        | 9.23            | 7.90 | 4.9               | 2.51            | 102.5 |
| 991      | 11/7/2011 21:01:19 | 10.85  | 49.97           | 32.57        | 9.17            | 7.89 | 4.8               | 2.59            | 101.9 |
| 992      | 11/7/2011 21:16:19 | 10.82  | 50.00           | 32.59        | 9.13            | 7.88 | 4.8               | 2.66            | 101.4 |
| 993      | 11/7/2011 21:31:19 | 10.78  | 49.91           | 32.52        | 9.11            | 7.88 | 4.8               | 2.73            | 101.0 |
| 994      | 11/7/2011 21:46:19 | 10.74  | 49.97           | 32.57        | 9.10            | 7.87 | 4.6               | 2.79            | 100.9 |
| 995      | 11/7/2011 22:01:19 | 10.73  | 49.96           | 32.56        | 9.09            | 7.87 | 4.5               | 2.85            | 100.7 |
| 996      | 11/7/2011 22:16:19 | 10.71  | 50.12           | 32.67        | 9.07            | 7.86 | 4.7               | 2.91            | 100.5 |
| 997      | 11/7/2011 22:31:19 | 10.65  | 50.33           | 32.82        | 9.07            | 7.85 | 4.8               | 2.96            | 100.5 |
| 998      | 11/7/2011 22:46:19 | 10.62  | 50.04           | 32.61        | 9.07            | 7.85 | 4.3               | 3.01            | 100.3 |
| 999      | 11/7/2011 23:01:19 | 10.60  | 50.13           | 32.67        | 9.05            | 7.85 | 4.3               | 3.04            | 100.1 |
| 1000     | 11/7/2011 23:16:19 | 10.57  | 50.24           | 32.75        | 9.05            | 7.84 | 3.9               | 3.08            | 100.0 |
| 1001     | 11/7/2011 23:31:19 | 10.54  | 50.44           | 32.89        | 9.03            | 7.84 | 3.4               | 3.10            | 99.9  |
| 1002     | 11/7/2011 23:46:19 | 10.59  | 50.14           | 32.68        | 9.04            | 7.84 | 3.8               | 3.09            | 99.9  |
| 1003     | 11/8/2011 00:01:19 | 10.51  | 50.25           | 32.76        | 9.03            | 7.83 | 3.5               | 3.07            | 99.8  |
| 1004     | 11/8/2011 00:16:19 | 10.56  | 50.09           | 32.64        | 8.99            | 7.84 | 3.7               | 3.04            | 99.3  |
| 1005     | 11/8/2011 00:31:19 | 10.59  | 50.08           | 32.64        | 8.84            | 7.86 | 4.2               | 3.00            | 97.7  |
| 1006     | 11/8/2011 00:46:19 | 10.61  | 50.02           | 32.59        | 8.80            | 7.86 | 4.1               | 2.93            | 97.3  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1007     | 11/8/2011 01:01:19 | 10.62  | 49.94           | 32.54        | 8.91            | 7.86 | 4.5               | 2.86            | 98.5  |
| 1008     | 11/8/2011 01:16:19 | 10.63  | 49.99           | 32.57        | 8.88            | 7.86 | 4.6               | 2.80            | 98.3  |
| 1009     | 11/8/2011 01:31:19 | 10.60  | 50.20           | 32.72        | 8.79            | 7.86 | 4.6               | 2.72            | 97.3  |
| 1010     | 11/8/2011 01:46:19 | 10.62  | 49.98           | 32.57        | 8.85            | 7.85 | 4.8               | 2.63            | 97.8  |
| 1011     | 11/8/2011 02:01:19 | 10.65  | 49.93           | 32.54        | 8.91            | 7.87 | 5.7               | 2.57            | 98.6  |
| 1012     | 11/8/2011 02:16:19 | 10.56  | 50.17           | 32.70        | 8.85            | 7.85 | 4.9               | 2.50            | 97.8  |
| 1013     | 11/8/2011 02:31:19 | 10.65  | 49.92           | 32.52        | 8.90            | 7.87 | 4.7               | 2.44            | 98.4  |
| 1014     | 11/8/2011 02:46:19 | 10.63  | 49.82           | 32.45        | 8.88            | 7.87 | 4.8               | 2.35            | 98.1  |
| 1015     | 11/8/2011 03:01:19 | 10.61  | 49.88           | 32.49        | 8.87            | 7.87 | 5.7               | 2.29            | 98.0  |
| 1016     | 11/8/2011 03:16:19 | 10.65  | 49.84           | 32.47        | 8.92            | 7.88 | 4.8               | 2.22            | 98.7  |
| 1017     | 11/8/2011 03:31:19 | 10.62  | 49.69           | 32.36        | 8.98            | 7.88 | 4.5               | 2.17            | 99.1  |
| 1018     | 11/8/2011 03:46:19 | 10.64  | 49.71           | 32.37        | 9.05            | 7.91 | 4.4               | 2.12            | 100.0 |
| 1019     | 11/8/2011 04:01:19 | 10.64  | 49.45           | 32.19        | 9.15            | 7.92 | 4.3               | 2.09            | 100.9 |
| 1020     | 11/8/2011 04:16:19 | 10.64  | 49.40           | 32.15        | 9.17            | 7.92 | 4.0               | 2.07            | 101.1 |
| 1021     | 11/8/2011 04:31:19 | 10.64  | 49.39           | 32.14        | 9.19            | 7.93 | 4.2               | 2.06            | 101.4 |
| 1022     | 11/8/2011 04:46:19 | 10.59  | 49.30           | 32.07        | 9.12            | 7.92 | 3.8               | 2.06            | 100.4 |
| 1023     | 11/8/2011 05:01:19 | 10.60  | 49.67           | 32.34        | 9.13            | 7.91 | 4.3               | 2.08            | 100.7 |
| 1024     | 11/8/2011 05:16:19 | 10.60  | 49.29           | 32.06        | 9.12            | 7.91 | 4.5               | 2.11            | 100.5 |
| 1025     | 11/8/2011 05:31:19 | 10.63  | 49.38           | 32.13        | 9.11            | 7.90 | 4.1               | 2.16            | 100.4 |
| 1026     | 11/8/2011 05:46:19 | 10.63  | 49.47           | 32.20        | 9.08            | 7.90 | 4.5               | 2.22            | 100.1 |
| 1027     | 11/8/2011 06:01:19 | 10.57  | 49.42           | 32.16        | 9.04            | 7.89 | 4.8               | 2.28            | 99.5  |
| 1028     | 11/8/2011 06:16:19 | 10.57  | 49.31           | 32.08        | 9.01            | 7.89 | 4.5               | 2.34            | 99.2  |
| 1029     | 11/8/2011 06:31:19 | 10.61  | 49.17           | 31.98        | 8.99            | 7.88 | 4.5               | 2.41            | 99.0  |
| 1030     | 11/8/2011 06:46:19 | 10.64  | 49.64           | 32.32        | 8.96            | 7.87 | 5.1               | 2.49            | 98.9  |
| 1031     | 11/8/2011 07:01:19 | 10.63  | 49.53           | 32.24        | 8.95            | 7.87 | 4.9               | 2.57            | 98.8  |
| 1032     | 11/8/2011 07:16:19 | 10.59  | 49.89           | 32.50        | 8.91            | 7.86 | 4.6               | 2.64            | 98.5  |
| 1033     | 11/8/2011 07:31:19 | 10.57  | 50.09           | 32.65        | 8.93            | 7.85 | 4.5               | 2.70            | 98.7  |
| 1034     | 11/8/2011 07:46:19 | 10.57  | 50.08           | 32.64        | 8.95            | 7.85 | 4.6               | 2.78            | 98.9  |
| 1035     | 11/8/2011 08:01:19 | 10.57  | 50.09           | 32.64        | 8.97            | 7.85 | 4.6               | 2.86            | 99.1  |
| 1036     | 11/8/2011 08:16:19 | 10.57  | 50.16           | 32.69        | 8.98            | 7.85 | 4.8               | 2.92            | 99.3  |
| 1037     | 11/8/2011 08:31:19 | 10.54  | 50.30           | 32.79        | 8.99            | 7.84 | 4.8               | 3.00            | 99.3  |
| 1038     | 11/8/2011 08:46:19 | 10.48  | 50.22           | 32.73        | 9.04            | 7.83 | 5.4               | 3.08            | 99.8  |
| 1039     | 11/8/2011 09:01:19 | 10.43  | 50.42           | 32.88        | 9.08            | 7.83 | 5.4               | 3.15            | 100.2 |
| 1040     | 11/8/2011 09:16:19 | 10.39  | 50.46           | 32.90        | 9.14            | 7.83 | 5.1               | 3.23            | 100.8 |
| 1041     | 11/8/2011 09:31:19 | 10.28  | 50.43           | 32.87        | 9.23            | 7.83 | 5.7               | 3.30            | 101.5 |
| 1042     | 11/8/2011 09:46:19 | 10.19  | 50.73           | 33.09        | 9.32            | 7.83 | 5.8               | 3.37            | 102.5 |
| 1043     | 11/8/2011 10:01:19 | 10.13  | 50.68           | 33.05        | 9.38            | 7.83 | 5.9               | 3.43            | 103.0 |
| 1044     | 11/8/2011 10:16:19 | 10.08  | 50.58           | 32.97        | 9.43            | 7.84 | 5.4               | 3.48            | 103.3 |
| 1045     | 11/8/2011 10:31:19 | 10.07  | 50.65           | 33.01        | 9.44            | 7.84 | 4.5               | 3.53            | 103.5 |
| 1046     | 11/8/2011 10:46:19 | 10.07  | 50.68           | 33.04        | 9.43            | 7.84 | 3.5               | 3.55            | 103.3 |
| 1047     | 11/8/2011 11:01:19 | 10.12  | 50.50           | 32.91        | 9.34            | 7.84 | 3.4               | 3.57            | 102.4 |
| 1048     | 11/8/2011 11:16:19 | 10.07  | 50.84           | 33.15        | 9.31            | 7.82 | 3.7               | 3.58            | 102.1 |
| 1049     | 11/8/2011 11:31:19 | 10.07  | 50.99           | 33.27        | 9.38            | 7.83 | 4.0               | 3.54            | 102.9 |
| 1050     | 11/8/2011 11:46:19 | 10.08  | 51.02           | 33.28        | 9.36            | 7.83 | 4.2               | 3.49            | 102.8 |
| 1051     | 11/8/2011 12:01:19 | 10.20  | 50.59           | 32.98        | 9.42            | 7.84 | 4.3               | 3.43            | 103.5 |
| 1052     | 11/8/2011 12:16:19 | 10.45  | 50.31           | 32.79        | 9.53            | 7.86 | 7.1               | 3.35            | 105.1 |
| 1053     | 11/8/2011 12:31:19 | 10.59  | 50.56           | 32.98        | 9.81            | 7.87 | 5.7               | 3.25            | 108.7 |
| 1054     | 11/8/2011 12:46:19 | 10.64  | 50.60           | 33.01        | 9.74            | 7.87 | 4.3               | 3.15            | 108.0 |
| 1055     | 11/8/2011 13:01:19 | 10.57  | 50.18           | 32.71        | 9.48            | 7.86 | 6.2               | 3.05            | 104.8 |
| 1056     | 11/8/2011 13:16:19 | 10.68  | 50.10           | 32.66        | 9.56            | 7.89 | 5.1               | 2.94            | 105.9 |
| 1057     | 11/8/2011 13:31:19 | 10.65  | 50.09           | 32.65        | 9.46            | 7.88 | 5.3               | 2.84            | 104.7 |
| 1058     | 11/8/2011 13:46:19 | 10.74  | 49.66           | 32.34        | 9.52            | 7.89 | 5.3               | 2.74            | 105.4 |
| 1059     | 11/8/2011 14:01:19 | 10.85  | 50.02           | 32.61        | 9.68            | 7.91 | 5.0               | 2.61            | 107.6 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1060     | 11/8/2011 14:16:19 | 10.99  | 50.18           | 32.74        | 9.96            | 7.91 | 4.2               | 2.51            | 111.1 |
| 1061     | 11/8/2011 14:31:19 | 11.05  | 50.09           | 32.67        | 9.91            | 7.91 | 5.2               | 2.40            | 110.6 |
| 1062     | 11/8/2011 14:46:19 | 11.22  | 49.90           | 32.54        | 10.10           | 7.92 | 5.7               | 2.27            | 113.1 |
| 1063     | 11/8/2011 15:01:19 | 11.25  | 49.91           | 32.56        | 10.15           | 7.94 | 5.4               | 2.15            | 113.8 |
| 1064     | 11/8/2011 15:16:19 | 11.32  | 49.97           | 32.60        | 10.24           | 7.95 | 5.6               | 2.03            | 114.9 |
| 1065     | 11/8/2011 15:31:19 | 11.38  | 49.84           | 32.51        | 10.43           | 7.96 | 6.3               | 1.91            | 117.2 |
| 1066     | 11/8/2011 15:46:19 | 11.36  | 49.77           | 32.46        | 10.30           | 7.96 | 6.1               | 1.79            | 115.6 |
| 1067     | 11/8/2011 16:01:19 | 11.43  | 49.68           | 32.40        | 10.30           | 7.97 | 6.5               | 1.69            | 115.7 |
| 1068     | 11/8/2011 16:16:19 | 11.38  | 49.86           | 32.53        | 10.22           | 7.97 | 6.3               | 1.58            | 114.8 |
| 1069     | 11/8/2011 16:31:19 | 11.32  | 49.30           | 32.11        | 10.17           | 7.97 | 5.4               | 1.52            | 113.8 |
| 1070     | 11/8/2011 16:46:19 | 11.33  | 49.73           | 32.42        | 10.17           | 7.98 | 5.4               | 1.46            | 114.1 |
| 1071     | 11/8/2011 17:01:19 | 11.33  | 49.77           | 32.45        | 10.18           | 7.98 | 5.6               | 1.40            | 114.2 |
| 1072     | 11/8/2011 17:16:19 | 11.37  | 49.28           | 32.10        | 10.23           | 7.99 | 5.2               | 1.40            | 114.6 |
| 1073     | 11/8/2011 17:31:19 | 11.38  | 49.65           | 32.37        | 10.28           | 7.99 | 5.2               | 1.39            | 115.4 |
| 1074     | 11/8/2011 17:46:19 | 11.31  | 49.45           | 32.22        | 10.53           | 8.02 | 5.2               | 1.43            | 117.9 |
| 1075     | 11/8/2011 18:01:19 | 11.27  | 49.40           | 32.18        | 10.60           | 8.03 | 4.6               | 1.46            | 118.6 |
| 1076     | 11/8/2011 18:16:19 | 11.24  | 49.53           | 32.28        | 10.62           | 8.03 | 4.5               | 1.51            | 118.8 |
| 1077     | 11/8/2011 18:31:19 | 11.20  | 49.40           | 32.18        | 10.60           | 8.02 | 4.5               | 1.59            | 118.4 |
| 1078     | 11/8/2011 18:46:19 | 11.20  | 49.18           | 32.02        | 10.51           | 8.01 | 4.6               | 1.66            | 117.3 |
| 1079     | 11/8/2011 19:01:19 | 11.20  | 49.19           | 32.03        | 10.40           | 8.00 | 4.8               | 1.73            | 116.1 |
| 1080     | 11/8/2011 19:16:19 | 11.16  | 48.59           | 31.59        | 10.23           | 7.98 | 5.0               | 1.81            | 113.7 |
| 1081     | 11/8/2011 19:31:19 | 11.17  | 48.78           | 31.73        | 10.16           | 7.97 | 4.9               | 1.88            | 113.1 |
| 1082     | 11/8/2011 19:46:19 | 11.18  | 49.41           | 32.19        | 10.08           | 7.97 | 4.8               | 1.96            | 112.6 |
| 1083     | 11/8/2011 20:01:19 | 11.17  | 49.28           | 32.09        | 10.04           | 7.96 | 4.5               | 2.03            | 111.9 |
| 1084     | 11/8/2011 20:16:19 | 11.15  | 49.17           | 32.01        | 9.97            | 7.95 | 4.5               | 2.12            | 111.1 |
| 1085     | 11/8/2011 20:31:19 | 11.10  | 49.69           | 32.38        | 9.79            | 7.93 | 4.5               | 2.20            | 109.3 |
| 1086     | 11/8/2011 20:46:19 | 11.07  | 49.69           | 32.38        | 9.69            | 7.92 | 4.5               | 2.28            | 108.0 |
| 1087     | 11/8/2011 21:01:19 | 11.02  | 49.37           | 32.15        | 9.57            | 7.91 | 4.9               | 2.37            | 106.4 |
| 1088     | 11/8/2011 21:16:19 | 11.00  | 49.63           | 32.33        | 9.53            | 7.90 | 5.2               | 2.46            | 106.0 |
| 1089     | 11/8/2011 21:31:19 | 10.95  | 49.79           | 32.45        | 9.46            | 7.90 | 5.9               | 2.54            | 105.3 |
| 1090     | 11/8/2011 21:46:19 | 10.91  | 49.94           | 32.56        | 9.43            | 7.89 | 5.4               | 2.62            | 104.9 |
| 1091     | 11/8/2011 22:01:19 | 10.87  | 49.78           | 32.44        | 9.41            | 7.88 | 5.2               | 2.69            | 104.5 |
| 1092     | 11/8/2011 22:16:19 | 10.84  | 49.82           | 32.46        | 9.39            | 7.88 | 5.4               | 2.76            | 104.2 |
| 1093     | 11/8/2011 22:31:19 | 10.80  | 49.85           | 32.49        | 9.37            | 7.88 | 5.3               | 2.83            | 104.0 |
| 1094     | 11/8/2011 22:46:19 | 10.75  | 49.84           | 32.47        | 9.37            | 7.87 | 5.9               | 2.90            | 103.8 |
| 1095     | 11/8/2011 23:01:19 | 10.69  | 49.97           | 32.57        | 9.39            | 7.87 | 5.6               | 2.96            | 104.0 |
| 1096     | 11/8/2011 23:16:19 | 10.65  | 50.20           | 32.73        | 9.38            | 7.86 | 5.7               | 3.02            | 103.9 |
| 1097     | 11/8/2011 23:31:19 | 10.61  | 50.37           | 32.85        | 9.37            | 7.85 | 4.8               | 3.06            | 103.8 |
| 1098     | 11/8/2011 23:46:19 | 10.58  | 50.40           | 32.87        | 9.36            | 7.85 | 4.7               | 3.10            | 103.6 |
| 1099     | 11/9/2011 00:01:19 | 10.54  | 50.50           | 32.94        | 9.34            | 7.85 | 4.0               | 3.14            | 103.3 |
| 1100     | 11/9/2011 00:16:19 | 10.52  | 50.41           | 32.87        | 9.26            | 7.84 | 3.2               | 3.15            | 102.4 |
| 1101     | 11/9/2011 00:31:19 | 10.51  | 50.25           | 32.76        | 9.30            | 7.85 | 4.0               | 3.15            | 102.7 |
| 1102     | 11/9/2011 00:46:19 | 10.50  | 50.31           | 32.80        | 9.32            | 7.85 | 4.6               | 3.12            | 102.9 |
| 1103     | 11/9/2011 01:01:19 | 10.54  | 50.28           | 32.78        | 9.26            | 7.85 | 4.3               | 3.09            | 102.3 |
| 1104     | 11/9/2011 01:16:19 | 10.59  | 49.95           | 32.54        | 9.23            | 7.86 | 4.8               | 3.03            | 102.0 |
| 1105     | 11/9/2011 01:31:19 | 10.61  | 49.89           | 32.50        | 9.10            | 7.87 | 4.6               | 2.97            | 100.5 |
| 1106     | 11/9/2011 01:46:19 | 10.60  | 49.86           | 32.48        | 9.03            | 7.87 | 4.7               | 2.88            | 99.8  |
| 1107     | 11/9/2011 02:01:19 | 10.58  | 50.03           | 32.60        | 9.12            | 7.86 | 4.9               | 2.80            | 100.8 |
| 1108     | 11/9/2011 02:16:19 | 10.58  | 50.08           | 32.63        | 9.11            | 7.86 | 4.6               | 2.74            | 100.7 |
| 1109     | 11/9/2011 02:31:19 | 10.53  | 50.14           | 32.68        | 9.10            | 7.86 | 4.5               | 2.65            | 100.5 |
| 1110     | 11/9/2011 02:46:19 | 10.52  | 50.29           | 32.78        | 9.06            | 7.86 | 4.7               | 2.58            | 100.1 |
| 1111     | 11/9/2011 03:01:19 | 10.54  | 49.96           | 32.55        | 9.09            | 7.87 | 4.8               | 2.51            | 100.3 |
| 1112     | 11/9/2011 03:16:19 | 10.61  | 49.96           | 32.55        | 9.10            | 7.88 | 4.7               | 2.45            | 100.5 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1113     | 11/9/2011 03:31:19 | 10.61  | 49.83           | 32.46        | 9.09            | 7.89 | 4.8               | 2.37            | 100.4 |
| 1114     | 11/9/2011 03:46:19 | 10.62  | 49.70           | 32.37        | 9.12            | 7.89 | 4.9               | 2.31            | 100.7 |
| 1115     | 11/9/2011 04:01:19 | 10.65  | 49.59           | 32.28        | 9.23            | 7.90 | 4.9               | 2.26            | 101.9 |
| 1116     | 11/9/2011 04:16:19 | 10.65  | 49.62           | 32.31        | 9.29            | 7.90 | 4.6               | 2.20            | 102.6 |
| 1117     | 11/9/2011 04:31:19 | 10.64  | 49.53           | 32.24        | 9.32            | 7.91 | 4.3               | 2.17            | 102.9 |
| 1118     | 11/9/2011 04:46:19 | 10.65  | 49.51           | 32.23        | 9.33            | 7.91 | 4.2               | 2.14            | 103.0 |
| 1119     | 11/9/2011 05:01:19 | 10.69  | 49.45           | 32.18        | 9.33            | 7.92 | 4.0               | 2.14            | 103.1 |
| 1120     | 11/9/2011 05:16:19 | 10.65  | 49.34           | 32.11        | 9.32            | 7.92 | 4.2               | 2.14            | 102.8 |
| 1121     | 11/9/2011 05:31:19 | 10.66  | 49.45           | 32.18        | 9.31            | 7.91 | 4.2               | 2.15            | 102.7 |
| 1122     | 11/9/2011 05:46:19 | 10.63  | 49.45           | 32.18        | 9.26            | 7.90 | 4.4               | 2.18            | 102.2 |
| 1123     | 11/9/2011 06:01:19 | 10.63  | 49.51           | 32.22        | 9.24            | 7.90 | 4.9               | 2.24            | 102.0 |
| 1124     | 11/9/2011 06:16:19 | 10.67  | 49.48           | 32.21        | 9.25            | 7.90 | 4.6               | 2.29            | 102.1 |
| 1125     | 11/9/2011 06:31:19 | 10.57  | 49.28           | 32.06        | 9.19            | 7.89 | 5.6               | 2.35            | 101.2 |
| 1126     | 11/9/2011 06:46:19 | 10.55  | 49.23           | 32.02        | 9.18            | 7.89 | 4.9               | 2.42            | 101.0 |
| 1127     | 11/9/2011 07:01:19 | 10.61  | 49.58           | 32.28        | 9.16            | 7.89 | 4.6               | 2.49            | 101.1 |
| 1128     | 11/9/2011 07:16:19 | 10.62  | 49.77           | 32.42        | 9.17            | 7.88 | 4.5               | 2.56            | 101.3 |
| 1129     | 11/9/2011 07:31:19 | 10.61  | 49.92           | 32.52        | 9.15            | 7.87 | 4.5               | 2.62            | 101.1 |
| 1130     | 11/9/2011 07:46:19 | 10.59  | 49.78           | 32.42        | 9.15            | 7.87 | 4.5               | 2.70            | 101.0 |
| 1131     | 11/9/2011 08:01:19 | 10.58  | 50.14           | 32.68        | 9.18            | 7.87 | 4.8               | 2.77            | 101.5 |
| 1132     | 11/9/2011 08:16:19 | 10.59  | 50.17           | 32.70        | 9.23            | 7.87 | 4.6               | 2.84            | 102.0 |
| 1133     | 11/9/2011 08:31:19 | 10.59  | 49.99           | 32.57        | 9.25            | 7.87 | 4.8               | 2.91            | 102.2 |
| 1134     | 11/9/2011 08:46:19 | 10.57  | 50.23           | 32.74        | 9.26            | 7.87 | 4.8               | 3.00            | 102.4 |
| 1135     | 11/9/2011 09:01:19 | 10.52  | 50.10           | 32.65        | 9.28            | 7.86 | 5.3               | 3.08            | 102.4 |
| 1136     | 11/9/2011 09:16:19 | 10.45  | 50.40           | 32.86        | 9.28            | 7.85 | 5.6               | 3.14            | 102.4 |
| 1137     | 11/9/2011 09:31:19 | 10.40  | 50.68           | 33.06        | 9.29            | 7.85 | 5.6               | 3.23            | 102.6 |
| 1138     | 11/9/2011 09:46:19 | 10.34  | 50.57           | 32.97        | 9.31            | 7.85 | 6.0               | 3.31            | 102.6 |
| 1139     | 11/9/2011 10:01:19 | 10.24  | 50.76           | 33.11        | 9.30            | 7.85 | 5.7               | 3.38            | 102.3 |
| 1140     | 11/9/2011 10:16:19 | 10.18  | 50.50           | 32.91        | 9.31            | 7.85 | 5.9               | 3.45            | 102.2 |
| 1141     | 11/9/2011 10:31:19 | 10.14  | 50.64           | 33.01        | 9.30            | 7.85 | 5.2               | 3.51            | 102.0 |
| 1142     | 11/9/2011 10:46:19 | 10.12  | 50.94           | 33.23        | 9.27            | 7.84 | 4.3               | 3.55            | 101.8 |
| 1143     | 11/9/2011 11:01:19 | 10.11  | 50.91           | 33.21        | 9.24            | 7.84 | 3.8               | 3.60            | 101.4 |
| 1144     | 11/9/2011 11:16:19 | 10.10  | 50.66           | 33.02        | 9.22            | 7.84 | 3.5               | 3.63            | 101.1 |
| 1145     | 11/9/2011 11:31:19 | 10.16  | 50.90           | 33.21        | 9.14            | 7.84 | 2.9               | 3.63            | 100.5 |
| 1146     | 11/9/2011 11:46:19 | 10.13  | 51.06           | 33.32        | 9.13            | 7.83 | 3.2               | 3.62            | 100.3 |
| 1147     | 11/9/2011 12:01:19 | 10.10  | 50.98           | 33.26        | 9.15            | 7.84 | 3.6               | 3.60            | 100.5 |
| 1148     | 11/9/2011 12:16:19 | 10.12  | 50.89           | 33.19        | 9.14            | 7.84 | 3.7               | 3.55            | 100.3 |
| 1149     | 11/9/2011 12:31:19 | 10.25  | 50.83           | 33.16        | 9.27            | 7.85 | 4.2               | 3.47            | 102.1 |
| 1150     | 11/9/2011 12:46:19 | 10.67  | 50.46           | 32.92        | 9.83            | 7.89 | 4.2               | 3.39            | 109.0 |
| 1151     | 11/9/2011 13:01:19 | 10.63  | 50.31           | 32.80        | 9.78            | 7.89 | 4.9               | 3.30            | 108.3 |
| 1152     | 11/9/2011 13:16:19 | 10.68  | 50.56           | 32.99        | 9.77            | 7.89 | 4.5               | 3.19            | 108.5 |
| 1153     | 11/9/2011 13:31:19 | 10.65  | 50.03           | 32.60        | 9.71            | 7.89 | 5.4               | 3.09            | 107.4 |
| 1154     | 11/9/2011 13:46:19 | 10.69  | 50.12           | 32.67        | 9.61            | 7.89 | 6.7               | 2.98            | 106.5 |
| 1155     | 11/9/2011 14:01:19 | 10.73  | 50.14           | 32.69        | 9.65            | 7.89 | 5.7               | 2.88            | 107.0 |
| 1156     | 11/9/2011 14:16:19 | 10.82  | 49.92           | 32.54        | 9.77            | 7.90 | 5.8               | 2.75            | 108.4 |
| 1157     | 11/9/2011 14:31:19 | 10.92  | 49.62           | 32.33        | 9.88            | 7.91 | 5.7               | 2.65            | 109.7 |
| 1158     | 11/9/2011 14:46:19 | 11.01  | 50.11           | 32.68        | 10.00           | 7.92 | 4.8               | 2.53            | 111.6 |
| 1159     | 11/9/2011 15:01:19 | 11.09  | 49.93           | 32.55        | 10.24           | 7.93 | 5.0               | 2.40            | 114.4 |
| 1160     | 11/9/2011 15:16:19 | 11.14  | 49.86           | 32.51        | 10.24           | 7.94 | 4.9               | 2.29            | 114.4 |
| 1161     | 11/9/2011 15:31:19 | 11.23  | 49.98           | 32.60        | 10.31           | 7.95 | 5.8               | 2.16            | 115.5 |
| 1162     | 11/9/2011 15:46:19 | 11.34  | 49.92           | 32.57        | 10.50           | 7.97 | 5.7               | 2.02            | 117.9 |
| 1163     | 11/9/2011 16:01:19 | 11.41  | 50.13           | 32.72        | 10.58           | 7.98 | 6.3               | 1.89            | 119.1 |
| 1164     | 11/9/2011 16:16:19 | 11.46  | 49.72           | 32.42        | 10.49           | 7.98 | 5.9               | 1.77            | 117.9 |
| 1165     | 11/9/2011 16:31:19 | 11.42  | 49.62           | 32.35        | 10.45           | 7.98 | 5.8               | 1.65            | 117.4 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1166     | 11/9/2011 16:46:19  | 11.41  | 49.56           | 32.31        | 10.37           | 7.98 | 5.6               | 1.53            | 116.4 |
| 1167     | 11/9/2011 17:01:19  | 11.41  | 49.66           | 32.38        | 10.41           | 7.99 | 7.4               | 1.43            | 117.0 |
| 1168     | 11/9/2011 17:16:19  | 11.37  | 49.47           | 32.24        | 10.37           | 7.98 | 5.4               | 1.36            | 116.3 |
| 1169     | 11/9/2011 17:31:19  | 11.40  | 49.48           | 32.25        | 10.45           | 8.00 | 6.2               | 1.29            | 117.2 |
| 1170     | 11/9/2011 17:46:19  | 11.41  | 49.18           | 32.03        | 10.58           | 8.02 | 5.7               | 1.26            | 118.6 |
| 1171     | 11/9/2011 18:01:19  | 11.42  | 49.50           | 32.26        | 10.68           | 8.03 | 5.8               | 1.26            | 119.9 |
| 1172     | 11/9/2011 18:16:19  | 11.41  | 49.11           | 31.98        | 10.68           | 8.03 | 6.4               | 1.28            | 119.7 |
| 1173     | 11/9/2011 18:31:19  | 11.39  | 49.49           | 32.25        | 10.79           | 8.04 | 5.5               | 1.32            | 121.1 |
| 1174     | 11/9/2011 18:46:19  | 11.36  | 49.13           | 31.99        | 10.77           | 8.04 | 6.5               | 1.38            | 120.5 |
| 1175     | 11/9/2011 19:01:19  | 11.32  | 49.27           | 32.09        | 10.80           | 8.04 | 5.8               | 1.46            | 120.9 |
| 1176     | 11/9/2011 19:16:19  | 11.29  | 49.24           | 32.07        | 10.71           | 8.03 | 7.4               | 1.52            | 119.8 |
| 1177     | 11/9/2011 19:31:19  | 11.28  | 48.91           | 31.83        | 10.60           | 8.02 | 6.4               | 1.60            | 118.3 |
| 1178     | 11/9/2011 19:46:19  | 11.27  | 48.82           | 31.77        | 10.52           | 8.01 | 6.9               | 1.68            | 117.4 |
| 1179     | 11/9/2011 20:01:19  | 11.26  | 49.23           | 32.06        | 10.41           | 8.00 | 6.3               | 1.76            | 116.3 |
| 1180     | 11/9/2011 20:16:19  | 11.26  | 48.82           | 31.76        | 10.37           | 7.99 | 5.6               | 1.83            | 115.7 |
| 1181     | 11/9/2011 20:31:19  | 11.25  | 49.23           | 32.06        | 10.27           | 7.99 | 5.2               | 1.92            | 114.7 |
| 1182     | 11/9/2011 20:46:19  | 11.24  | 49.11           | 31.97        | 10.20           | 7.98 | 5.1               | 2.01            | 113.9 |
| 1183     | 11/9/2011 21:01:19  | 11.21  | 49.54           | 32.28        | 10.09           | 7.96 | 5.2               | 2.10            | 112.7 |
| 1184     | 11/9/2011 21:16:19  | 11.17  | 49.28           | 32.09        | 10.00           | 7.95 | 5.5               | 2.18            | 111.6 |
| 1185     | 11/9/2011 21:31:19  | 11.12  | 49.58           | 32.30        | 9.84            | 7.93 | 6.1               | 2.28            | 109.8 |
| 1186     | 11/9/2011 21:46:19  | 11.13  | 49.85           | 32.50        | 9.81            | 7.93 | 6.1               | 2.37            | 109.6 |
| 1187     | 11/9/2011 22:01:19  | 11.07  | 49.92           | 32.55        | 9.74            | 7.92 | 6.4               | 2.45            | 108.7 |
| 1188     | 11/9/2011 22:16:19  | 11.02  | 49.79           | 32.45        | 9.70            | 7.91 | 6.3               | 2.53            | 108.1 |
| 1189     | 11/9/2011 22:31:19  | 10.97  | 49.73           | 32.41        | 9.67            | 7.91 | 6.0               | 2.62            | 107.6 |
| 1190     | 11/9/2011 22:46:19  | 10.93  | 49.56           | 32.28        | 9.65            | 7.91 | 6.2               | 2.70            | 107.2 |
| 1191     | 11/9/2011 23:01:19  | 10.91  | 49.97           | 32.58        | 9.60            | 7.90 | 6.6               | 2.77            | 106.8 |
| 1192     | 11/9/2011 23:16:19  | 10.84  | 50.00           | 32.59        | 9.58            | 7.89 | 7.2               | 2.84            | 106.4 |
| 1193     | 11/9/2011 23:31:19  | 10.77  | 49.98           | 32.58        | 9.56            | 7.89 | 6.8               | 2.91            | 106.1 |
| 1194     | 11/9/2011 23:46:19  | 10.73  | 50.16           | 32.71        | 9.53            | 7.89 | 6.3               | 2.98            | 105.7 |
| 1195     | 11/10/2011 00:01:19 | 10.64  | 50.21           | 32.73        | 9.48            | 7.88 | 5.7               | 3.03            | 105.0 |
| 1196     | 11/10/2011 00:16:19 | 10.57  | 50.36           | 32.84        | 9.44            | 7.87 | 5.2               | 3.07            | 104.4 |
| 1197     | 11/10/2011 00:31:19 | 10.53  | 50.38           | 32.85        | 9.43            | 7.87 | 4.7               | 3.13            | 104.2 |
| 1198     | 11/10/2011 00:46:19 | 10.51  | 50.39           | 32.85        | 9.44            | 7.88 | 4.0               | 3.16            | 104.3 |
| 1199     | 11/10/2011 01:01:19 | 10.50  | 50.64           | 33.04        | 9.33            | 7.87 | 2.9               | 3.16            | 103.2 |
| 1200     | 11/10/2011 01:16:19 | 10.52  | 50.46           | 32.91        | 9.30            | 7.87 | 3.7               | 3.16            | 102.8 |
| 1201     | 11/10/2011 01:31:19 | 10.50  | 50.55           | 32.97        | 9.33            | 7.87 | 4.4               | 3.15            | 103.2 |
| 1202     | 11/10/2011 01:46:19 | 10.52  | 50.32           | 32.80        | 9.35            | 7.87 | 4.5               | 3.10            | 103.3 |
| 1203     | 11/10/2011 02:01:19 | 10.58  | 50.31           | 32.80        | 9.30            | 7.87 | 4.5               | 3.04            | 102.9 |
| 1204     | 11/10/2011 02:16:19 | 10.60  | 50.13           | 32.67        | 9.28            | 7.88 | 4.4               | 2.98            | 102.6 |
| 1205     | 11/10/2011 02:31:19 | 10.57  | 49.84           | 32.46        | 9.29            | 7.88 | 5.4               | 2.89            | 102.6 |
| 1206     | 11/10/2011 02:46:19 | 10.52  | 50.20           | 32.72        | 9.24            | 7.87 | 4.5               | 2.82            | 102.0 |
| 1207     | 11/10/2011 03:01:19 | 10.51  | 50.13           | 32.67        | 9.24            | 7.87 | 4.7               | 2.75            | 102.0 |
| 1208     | 11/10/2011 03:16:19 | 10.50  | 50.14           | 32.67        | 9.24            | 7.88 | 4.6               | 2.66            | 101.9 |
| 1209     | 11/10/2011 03:31:19 | 10.49  | 50.05           | 32.61        | 9.26            | 7.89 | 5.4               | 2.57            | 102.1 |
| 1210     | 11/10/2011 03:46:19 | 10.61  | 49.73           | 32.38        | 9.30            | 7.90 | 5.1               | 2.52            | 102.7 |
| 1211     | 11/10/2011 04:01:19 | 10.54  | 49.68           | 32.35        | 9.33            | 7.90 | 5.0               | 2.46            | 102.9 |
| 1212     | 11/10/2011 04:16:19 | 10.67  | 50.01           | 32.59        | 9.31            | 7.90 | 5.1               | 2.40            | 103.1 |
| 1213     | 11/10/2011 04:31:19 | 10.50  | 49.70           | 32.36        | 9.24            | 7.90 | 5.0               | 2.34            | 101.7 |
| 1214     | 11/10/2011 04:46:19 | 10.55  | 49.71           | 32.36        | 9.32            | 7.90 | 4.5               | 2.29            | 102.8 |
| 1215     | 11/10/2011 05:01:19 | 10.61  | 49.77           | 32.41        | 9.42            | 7.91 | 4.6               | 2.26            | 104.0 |
| 1216     | 11/10/2011 05:16:19 | 10.67  | 49.63           | 32.32        | 9.48            | 7.92 | 4.6               | 2.22            | 104.8 |
| 1217     | 11/10/2011 05:31:19 | 10.66  | 49.27           | 32.06        | 9.51            | 7.93 | 4.3               | 2.20            | 104.9 |
| 1218     | 11/10/2011 05:46:19 | 10.63  | 49.33           | 32.10        | 9.46            | 7.93 | 4.2               | 2.21            | 104.3 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%    |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|--------|
| 1219     | 11/10/2011 06:01:19 | 10.57  | 49.42           | 32.16        | 9.47            | 7.93 | 4.1               | 2.22            | 104.3  |
| 1220     | 11/10/2011 06:16:19 | 10.54  | 49.48           | 32.20        | 9.42            | 7.93 | 4.3               | 2.24            | 103.7  |
| 1221     | 11/10/2011 06:31:19 | 10.58  | 49.75           | 32.40        | 9.41            | 7.92 | 4.2               | 2.27            | 103.8  |
| 1222     | 11/10/2011 06:46:19 | 10.61  | 49.67           | 32.34        | 9.43            | 7.91 | 4.5               | 2.33            | 104.2  |
| 1223     | 11/10/2011 07:01:19 | 10.62  | 49.58           | 32.27        | 9.43            | 7.91 | 4.7               | 2.39            | 104.1  |
| 1224     | 11/10/2011 07:16:19 | 10.41  | 49.49           | 32.20        | 9.34            | 7.90 | 5.8               | 2.45            | 102.6  |
| 1225     | 11/10/2011 07:31:19 | 10.45  | 49.52           | 32.22        | 9.34            | 7.90 | 5.1               | 2.52            | 102.7  |
| 1226     | 11/10/2011 07:46:19 | 10.53  | 49.70           | 32.36        | 9.36            | 7.90 | 5.1               | 2.58            | 103.1  |
| 1227     | 11/10/2011 08:01:19 | 10.54  | 50.09           | 32.64        | 9.32            | 7.89 | 5.3               | 2.66            | 102.9  |
| 1228     | 11/10/2011 08:16:19 | 10.52  | 49.96           | 32.54        | 9.31            | 7.88 | 5.1               | 2.72            | 102.7  |
| 1229     | 11/10/2011 08:31:19 | 10.52  | 50.12           | 32.66        | 9.33            | 7.88 | 4.8               | 2.80            | 103.0  |
| 1230     | 11/10/2011 08:46:19 | 10.53  | 50.20           | 32.72        | 9.35            | 7.88 | 4.4               | 2.87            | 103.3  |
| 1231     | 11/10/2011 09:01:19 | 10.53  | 50.32           | 32.81        | 9.36            | 7.88 | 4.6               | 2.94            | 103.5  |
| 1232     | 11/10/2011 09:16:19 | 10.52  | 50.43           | 32.89        | 9.37            | 7.88 | 4.9               | 3.03            | 103.6  |
| 1233     | 11/10/2011 09:31:19 | 10.47  | 50.39           | 32.85        | 9.37            | 7.88 | 4.9               | 3.10            | 103.5  |
| 1234     | 11/10/2011 09:46:19 | 10.42  | 50.63           | 33.02        | 9.35            | 7.87 | 5.0               | 3.19            | 103.2  |
| 1235     | 11/10/2011 10:01:19 | 10.39  | 50.54           | 32.96        | 9.35            | 7.87 | 5.1               | 3.26            | 103.1  |
| 1236     | 11/10/2011 10:16:19 | 10.33  | 50.38           | 32.84        | 9.33            | 7.87 | 5.2               | 3.34            | 102.7  |
| 1237     | 11/10/2011 10:31:19 | 10.26  | 50.75           | 33.10        | 9.31            | 7.87 | 5.6               | 3.42            | 102.5  |
| 1238     | 11/10/2011 10:46:19 | 10.19  | 50.81           | 33.14        | 9.30            | 7.86 | 4.9               | 3.48            | 102.2  |
| 1239     | 11/10/2011 11:01:19 | 10.17  | 50.93           | 33.23        | 9.28            | 7.86 | 4.8               | 3.54            | 102.0  |
| 1240     | 11/10/2011 11:16:19 | 10.12  | 50.79           | 33.12        | 9.27            | 7.86 | 3.9               | 3.60            | 101.7  |
| 1241     | 11/10/2011 11:31:19 | 10.12  | 50.99           | 33.27        | 9.25            | 7.86 | 2.9               | 3.64            | 101.6  |
|          | Mean                | 11.46  | 50.40           | 32.92        | 8.89            | 7.87 | 6.60              | 2.55            | 100.21 |
|          | Minimum             | 9.98   | 47.16           | 30.65        | 7.33            | 7.73 | 2.90              | 0.71            | 82.10  |
|          | Maximum             | 13.99  | 51.46           | 33.66        | 10.80           | 8.04 | 38.40             | 4.08            | 121.10 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 0        | 11/10/2011 11:01:04 | 10.10  | 47.97           | 31.08        | 9.45            | 7.79 | 2.5               | 3.73            | 102.3 |
| 1        | 11/10/2011 11:16:04 | 10.09  | 48.00           | 31.11        | 9.37            | 7.79 | 2.5               | 3.73            | 101.5 |
| 2        | 11/10/2011 11:31:19 | 10.07  | 48.00           | 31.10        | 9.36            | 7.79 | 3.1               | 3.69            | 101.3 |
| 3        | 11/10/2011 11:46:19 | 10.07  | 48.01           | 31.11        | 9.32            | 7.79 | 2.7               | 3.64            | 100.9 |
| 4        | 11/10/2011 12:01:19 | 10.15  | 47.80           | 30.97        | 9.46            | 7.80 | 3.6               | 3.57            | 102.5 |
| 5        | 11/10/2011 12:16:19 | 10.51  | 47.64           | 30.87        | 9.78            | 7.83 | 4.0               | 3.49            | 106.7 |
| 6        | 11/10/2011 12:31:19 | 10.66  | 47.81           | 31.00        | 10.01           | 7.84 | 3.9               | 3.39            | 109.7 |
| 7        | 11/10/2011 12:46:19 | 10.71  | 47.66           | 30.90        | 10.00           | 7.84 | 4.2               | 3.29            | 109.6 |
| 8        | 11/10/2011 13:01:19 | 10.58  | 47.55           | 30.81        | 9.79            | 7.83 | 6.0               | 3.18            | 106.9 |
| 9        | 11/10/2011 13:16:19 | 10.65  | 47.47           | 30.76        | 9.84            | 7.84 | 5.1               | 3.07            | 107.6 |
| 10       | 11/10/2011 13:31:19 | 10.71  | 47.27           | 30.61        | 9.87            | 7.85 | 5.8               | 2.96            | 108.1 |
| 11       | 11/10/2011 13:46:19 | 10.82  | 47.34           | 30.68        | 10.02           | 7.85 | 5.1               | 2.84            | 109.9 |
| 12       | 11/10/2011 14:01:19 | 10.90  | 47.27           | 30.62        | 10.05           | 7.86 | 5.5               | 2.72            | 110.5 |
| 13       | 11/10/2011 14:16:19 | 11.04  | 47.22           | 30.60        | 10.33           | 7.88 | 5.2               | 2.61            | 113.9 |
| 14       | 11/10/2011 14:31:19 | 11.10  | 47.32           | 30.67        | 10.41           | 7.89 | 4.8               | 2.48            | 114.9 |
| 15       | 11/10/2011 14:46:19 | 11.11  | 47.19           | 30.58        | 10.37           | 7.89 | 6.0               | 2.34            | 114.4 |
| 16       | 11/10/2011 15:01:19 | 11.20  | 47.18           | 30.58        | 10.43           | 7.89 | 5.4               | 2.21            | 115.4 |
| 17       | 11/10/2011 15:16:19 | 11.22  | 47.08           | 30.50        | 10.44           | 7.90 | 6.0               | 2.08            | 115.4 |
| 18       | 11/10/2011 15:31:19 | 11.23  | 47.04           | 30.48        | 10.50           | 7.91 | 5.6               | 1.95            | 116.1 |
| 19       | 11/10/2011 15:46:19 | 11.26  | 47.04           | 30.48        | 10.55           | 7.92 | 5.9               | 1.82            | 116.7 |
| 20       | 11/10/2011 16:01:19 | 11.27  | 46.98           | 30.44        | 10.54           | 7.92 | 7.0               | 1.69            | 116.5 |
| 21       | 11/10/2011 16:16:19 | 11.24  | 46.96           | 30.42        | 10.43           | 7.92 | 6.2               | 1.58            | 115.3 |
| 22       | 11/10/2011 16:31:19 | 11.24  | 46.91           | 30.38        | 10.42           | 7.92 | 6.0               | 1.46            | 115.2 |
| 23       | 11/10/2011 16:46:19 | 11.26  | 46.84           | 30.34        | 10.49           | 7.93 | 6.8               | 1.37            | 116.0 |
| 24       | 11/10/2011 17:01:19 | 11.26  | 46.70           | 30.23        | 10.51           | 7.93 | 5.9               | 1.31            | 116.1 |
| 25       | 11/10/2011 17:16:19 | 11.28  | 46.64           | 30.19        | 10.56           | 7.94 | 5.4               | 1.26            | 116.7 |
| 26       | 11/10/2011 17:31:19 | 11.30  | 46.62           | 30.18        | 10.58           | 7.95 | 5.4               | 1.26            | 116.9 |
| 27       | 11/10/2011 17:46:19 | 11.23  | 46.75           | 30.27        | 10.43           | 7.94 | 5.1               | 1.27            | 115.2 |
| 28       | 11/10/2011 18:01:19 | 11.31  | 46.56           | 30.14        | 10.87           | 7.98 | 5.1               | 1.30            | 120.1 |
| 29       | 11/10/2011 18:16:19 | 11.28  | 46.61           | 30.18        | 10.81           | 7.97 | 4.9               | 1.33            | 119.4 |
| 30       | 11/10/2011 18:31:19 | 11.22  | 46.57           | 30.14        | 10.89           | 7.98 | 5.2               | 1.43            | 120.1 |
| 31       | 11/10/2011 18:46:19 | 11.22  | 46.55           | 30.12        | 10.92           | 7.98 | 4.9               | 1.50            | 120.4 |
| 32       | 11/10/2011 19:01:19 | 11.12  | 46.22           | 29.88        | 10.70           | 7.96 | 5.4               | 1.58            | 117.6 |
| 33       | 11/10/2011 19:16:19 | 11.15  | 46.33           | 29.96        | 10.65           | 7.95 | 5.1               | 1.66            | 117.1 |
| 34       | 11/10/2011 19:31:19 | 11.09  | 46.14           | 29.83        | 10.53           | 7.94 | 5.3               | 1.74            | 115.6 |
| 35       | 11/10/2011 19:46:19 | 11.09  | 46.20           | 29.87        | 10.45           | 7.93 | 5.2               | 1.83            | 114.8 |
| 36       | 11/10/2011 20:01:19 | 11.09  | 46.32           | 29.95        | 10.42           | 7.93 | 5.3               | 1.91            | 114.5 |
| 37       | 11/10/2011 20:16:19 | 11.07  | 46.29           | 29.93        | 10.37           | 7.92 | 4.9               | 1.98            | 113.9 |
| 38       | 11/10/2011 20:31:19 | 11.09  | 46.51           | 30.09        | 10.34           | 7.91 | 4.6               | 2.07            | 113.7 |
| 39       | 11/10/2011 20:46:19 | 11.12  | 46.66           | 30.20        | 10.27           | 7.91 | 5.2               | 2.20            | 113.1 |
| 40       | 11/10/2011 21:01:19 | 11.13  | 46.91           | 30.38        | 10.11           | 7.89 | 5.1               | 2.28            | 111.5 |
| 41       | 11/10/2011 21:16:19 | 11.15  | 46.96           | 30.41        | 10.10           | 7.88 | 5.6               | 2.38            | 111.4 |
| 42       | 11/10/2011 21:31:19 | 11.11  | 47.00           | 30.44        | 10.04           | 7.88 | 5.8               | 2.46            | 110.7 |
| 43       | 11/10/2011 21:46:19 | 11.07  | 47.08           | 30.50        | 9.99            | 7.87 | 5.8               | 2.55            | 110.1 |
| 44       | 11/10/2011 22:01:19 | 11.01  | 47.06           | 30.48        | 9.93            | 7.86 | 6.1               | 2.64            | 109.3 |
| 45       | 11/10/2011 22:16:19 | 10.98  | 47.18           | 30.57        | 9.89            | 7.86 | 5.7               | 2.71            | 108.8 |
| 46       | 11/10/2011 22:31:19 | 10.94  | 47.18           | 30.56        | 9.84            | 7.85 | 6.8               | 2.81            | 108.2 |
| 47       | 11/10/2011 22:46:19 | 10.86  | 47.13           | 30.52        | 9.81            | 7.85 | 7.1               | 2.88            | 107.6 |
| 48       | 11/10/2011 23:01:19 | 10.81  | 47.28           | 30.63        | 9.77            | 7.84 | 6.5               | 2.94            | 107.1 |
| 49       | 11/10/2011 23:16:19 | 10.71  | 47.52           | 30.80        | 9.73            | 7.83 | 6.7               | 3.01            | 106.6 |
| 50       | 11/10/2011 23:31:20 | 10.65  | 47.62           | 30.87        | 9.71            | 7.83 | 5.9               | 3.08            | 106.3 |
| 51       | 11/10/2011 23:46:20 | 10.59  | 47.68           | 30.91        | 9.70            | 7.82 | 5.7               | 3.14            | 106.1 |
| 52       | 11/11/2011 00:01:19 | 10.57  | 47.69           | 30.91        | 9.66            | 7.82 | 4.5               | 3.18            | 105.6 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 53       | 11/11/2011 00:16:19 | 10.54  | 47.69           | 30.91        | 9.70            | 7.82 | 4.3               | 3.24            | 106.0 |
| 54       | 11/11/2011 00:31:19 | 10.53  | 47.79           | 30.98        | 9.68            | 7.82 | 3.5               | 3.23            | 105.7 |
| 55       | 11/11/2011 00:46:19 | 10.56  | 47.72           | 30.93        | 9.59            | 7.82 | 3.7               | 3.23            | 104.8 |
| 56       | 11/11/2011 01:01:19 | 10.53  | 47.75           | 30.95        | 9.56            | 7.81 | 3.8               | 3.26            | 104.5 |
| 57       | 11/11/2011 01:16:19 | 10.53  | 47.78           | 30.97        | 9.56            | 7.81 | 4.0               | 3.24            | 104.4 |
| 58       | 11/11/2011 01:31:19 | 10.55  | 47.74           | 30.94        | 9.57            | 7.82 | 5.3               | 3.17            | 104.6 |
| 59       | 11/11/2011 01:46:19 | 10.61  | 47.52           | 30.79        | 9.49            | 7.82 | 4.3               | 3.11            | 103.7 |
| 60       | 11/11/2011 02:01:19 | 10.65  | 47.50           | 30.78        | 9.57            | 7.83 | 4.6               | 3.05            | 104.7 |
| 61       | 11/11/2011 02:16:19 | 10.63  | 47.53           | 30.80        | 9.48            | 7.82 | 4.6               | 2.98            | 103.6 |
| 62       | 11/11/2011 02:31:19 | 10.60  | 47.54           | 30.81        | 9.49            | 7.82 | 4.8               | 2.91            | 103.7 |
| 63       | 11/11/2011 02:46:19 | 10.63  | 47.42           | 30.72        | 9.48            | 7.82 | 4.3               | 2.80            | 103.6 |
| 64       | 11/11/2011 03:01:19 | 10.67  | 47.41           | 30.72        | 9.45            | 7.83 | 4.3               | 2.74            | 103.4 |
| 65       | 11/11/2011 03:16:19 | 10.70  | 47.20           | 30.56        | 9.44            | 7.83 | 4.4               | 2.67            | 103.2 |
| 66       | 11/11/2011 03:31:20 | 10.78  | 47.21           | 30.58        | 9.48            | 7.84 | 4.8               | 2.61            | 103.9 |
| 67       | 11/11/2011 03:46:20 | 10.83  | 47.13           | 30.53        | 9.47            | 7.85 | 4.7               | 2.52            | 103.8 |
| 68       | 11/11/2011 04:01:20 | 10.81  | 47.23           | 30.59        | 9.50            | 7.85 | 4.3               | 2.50            | 104.2 |
| 69       | 11/11/2011 04:16:19 | 10.80  | 47.18           | 30.56        | 9.43            | 7.85 | 4.5               | 2.45            | 103.3 |
| 70       | 11/11/2011 04:31:19 | 10.81  | 47.13           | 30.52        | 9.43            | 7.85 | 4.4               | 2.41            | 103.4 |
| 71       | 11/11/2011 04:46:19 | 10.82  | 47.13           | 30.52        | 9.48            | 7.85 | 4.3               | 2.39            | 103.9 |
| 72       | 11/11/2011 05:01:20 | 10.82  | 47.13           | 30.52        | 9.52            | 7.85 | 3.9               | 2.37            | 104.4 |
| 73       | 11/11/2011 05:16:19 | 10.81  | 46.90           | 30.36        | 9.54            | 7.86 | 3.9               | 2.35            | 104.4 |
| 74       | 11/11/2011 05:31:20 | 10.78  | 46.98           | 30.41        | 9.50            | 7.86 | 3.8               | 2.33            | 104.0 |
| 75       | 11/11/2011 05:46:20 | 10.77  | 46.98           | 30.41        | 9.55            | 7.86 | 3.8               | 2.36            | 104.5 |
| 76       | 11/11/2011 06:01:19 | 10.76  | 47.05           | 30.46        | 9.51            | 7.86 | 3.8               | 2.38            | 104.1 |
| 77       | 11/11/2011 06:16:20 | 10.78  | 47.11           | 30.51        | 9.53            | 7.85 | 4.0               | 2.41            | 104.4 |
| 78       | 11/11/2011 06:31:20 | 10.79  | 47.15           | 30.54        | 9.57            | 7.85 | 4.1               | 2.45            | 104.8 |
| 79       | 11/11/2011 06:46:20 | 10.73  | 47.15           | 30.53        | 9.53            | 7.85 | 4.7               | 2.52            | 104.3 |
| 80       | 11/11/2011 07:01:19 | 10.63  | 46.95           | 30.38        | 9.47            | 7.84 | 5.5               | 2.56            | 103.3 |
| 81       | 11/11/2011 07:16:19 | 10.69  | 47.10           | 30.49        | 9.51            | 7.84 | 4.9               | 2.63            | 103.9 |
| 82       | 11/11/2011 07:31:19 | 10.70  | 47.24           | 30.59        | 9.49            | 7.84 | 4.9               | 2.70            | 103.8 |
| 83       | 11/11/2011 07:46:19 | 10.67  | 47.35           | 30.67        | 9.48            | 7.84 | 4.6               | 2.78            | 103.6 |
| 84       | 11/11/2011 08:01:19 | 10.62  | 47.47           | 30.75        | 9.49            | 7.83 | 4.6               | 2.85            | 103.8 |
| 85       | 11/11/2011 08:16:19 | 10.59  | 47.56           | 30.82        | 9.55            | 7.83 | 4.7               | 2.93            | 104.4 |
| 86       | 11/11/2011 08:31:19 | 10.59  | 47.60           | 30.85        | 9.56            | 7.83 | 4.5               | 3.00            | 104.4 |
| 87       | 11/11/2011 08:46:19 | 10.57  | 47.66           | 30.89        | 9.58            | 7.83 | 4.6               | 3.08            | 104.6 |
| 88       | 11/11/2011 09:01:19 | 10.51  | 47.76           | 30.96        | 9.58            | 7.82 | 5.0               | 3.17            | 104.6 |
| 89       | 11/11/2011 09:16:19 | 10.46  | 47.76           | 30.96        | 9.59            | 7.82 | 4.8               | 3.24            | 104.6 |
| 90       | 11/11/2011 09:31:19 | 10.43  | 47.91           | 31.06        | 9.59            | 7.82 | 4.8               | 3.33            | 104.6 |
| 91       | 11/11/2011 09:46:19 | 10.40  | 47.92           | 31.06        | 9.60            | 7.81 | 5.4               | 3.41            | 104.7 |
| 92       | 11/11/2011 10:01:19 | 10.36  | 48.00           | 31.12        | 9.61            | 7.81 | 5.6               | 3.48            | 104.7 |
| 93       | 11/11/2011 10:16:19 | 10.33  | 47.96           | 31.09        | 9.61            | 7.81 | 4.8               | 3.55            | 104.6 |
| 94       | 11/11/2011 10:31:19 | 10.30  | 48.06           | 31.16        | 9.61            | 7.81 | 4.1               | 3.61            | 104.6 |
| 95       | 11/11/2011 10:46:19 | 10.28  | 48.05           | 31.16        | 9.61            | 7.81 | 3.9               | 3.67            | 104.6 |
| 96       | 11/11/2011 11:01:19 | 10.26  | 48.07           | 31.17        | 9.61            | 7.80 | 3.6               | 3.70            | 104.5 |
| 97       | 11/11/2011 11:16:19 | 10.28  | 48.06           | 31.16        | 9.54            | 7.80 | 2.7               | 3.72            | 103.8 |
| 98       | 11/11/2011 11:31:19 | 10.27  | 48.07           | 31.17        | 9.44            | 7.80 | 2.5               | 3.74            | 102.7 |
| 99       | 11/11/2011 11:46:19 | 10.33  | 48.04           | 31.15        | 9.50            | 7.80 | 3.2               | 3.72            | 103.4 |
| 100      | 11/11/2011 12:01:19 | 10.29  | 48.07           | 31.17        | 9.52            | 7.80 | 4.0               | 3.69            | 103.5 |
| 101      | 11/11/2011 12:16:19 | 10.31  | 48.05           | 31.16        | 9.50            | 7.80 | 3.2               | 3.66            | 103.4 |
| 102      | 11/11/2011 12:31:19 | 10.35  | 48.03           | 31.14        | 9.59            | 7.81 | 3.5               | 3.58            | 104.5 |
| 103      | 11/11/2011 12:46:19 | 10.58  | 47.90           | 31.06        | 9.86            | 7.83 | 3.8               | 3.52            | 107.9 |
| 104      | 11/11/2011 13:01:20 | 10.61  | 47.95           | 31.10        | 10.04           | 7.85 | 4.3               | 3.41            | 110.0 |
| 105      | 11/11/2011 13:16:20 | 10.58  | 48.01           | 31.14        | 9.96            | 7.84 | 3.8               | 3.32            | 109.0 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 106      | 11/11/2011 13:31:20 | 10.66  | 47.82           | 31.01        | 9.88            | 7.84 | 4.8               | 3.22            | 108.2 |
| 107      | 11/11/2011 13:46:19 | 10.72  | 47.73           | 30.95        | 9.88            | 7.85 | 4.9               | 3.10            | 108.4 |
| 108      | 11/11/2011 14:01:19 | 10.69  | 47.73           | 30.95        | 9.86            | 7.85 | 4.5               | 2.97            | 108.1 |
| 109      | 11/11/2011 14:16:20 | 10.75  | 47.69           | 30.92        | 9.86            | 7.85 | 4.9               | 2.87            | 108.2 |
| 110      | 11/11/2011 14:31:19 | 10.84  | 47.59           | 30.85        | 9.93            | 7.86 | 5.6               | 2.75            | 109.1 |
| 111      | 11/11/2011 14:46:19 | 10.89  | 47.57           | 30.84        | 10.08           | 7.88 | 5.7               | 2.63            | 110.8 |
| 112      | 11/11/2011 15:01:20 | 10.88  | 47.64           | 30.89        | 10.05           | 7.87 | 6.1               | 2.51            | 110.6 |
| 113      | 11/11/2011 15:16:20 | 10.90  | 47.65           | 30.90        | 10.11           | 7.88 | 6.0               | 2.37            | 111.2 |
| 114      | 11/11/2011 15:31:20 | 10.94  | 47.55           | 30.83        | 10.07           | 7.88 | 6.0               | 2.24            | 110.8 |
| 115      | 11/11/2011 15:46:20 | 10.98  | 47.53           | 30.82        | 10.08           | 7.89 | 5.6               | 2.12            | 111.1 |
| 116      | 11/11/2011 16:01:19 | 11.01  | 47.27           | 30.64        | 10.15           | 7.90 | 5.7               | 1.99            | 111.9 |
| 117      | 11/11/2011 16:16:19 | 11.05  | 47.37           | 30.70        | 10.18           | 7.91 | 6.8               | 1.84            | 112.2 |
| 118      | 11/11/2011 16:31:19 | 11.08  | 47.21           | 30.60        | 10.23           | 7.92 | 7.1               | 1.71            | 112.8 |
| 119      | 11/11/2011 16:46:19 | 11.08  | 47.29           | 30.65        | 10.22           | 7.92 | 7.9               | 1.58            | 112.7 |
| 120      | 11/11/2011 17:01:19 | 11.10  | 47.11           | 30.52        | 10.20           | 7.92 | 6.2               | 1.48            | 112.4 |
| 121      | 11/11/2011 17:16:19 | 11.13  | 47.13           | 30.54        | 10.22           | 7.92 | 6.3               | 1.38            | 112.8 |
| 122      | 11/11/2011 17:31:19 | 11.13  | 47.13           | 30.54        | 10.19           | 7.92 | 5.9               | 1.30            | 112.4 |
| 123      | 11/11/2011 17:46:19 | 11.16  | 47.03           | 30.47        | 10.21           | 7.93 | 5.6               | 1.25            | 112.7 |
| 124      | 11/11/2011 18:01:19 | 11.17  | 46.98           | 30.43        | 10.21           | 7.94 | 5.6               | 1.22            | 112.7 |
| 125      | 11/11/2011 18:16:19 | 11.15  | 46.98           | 30.43        | 10.19           | 7.94 | 5.6               | 1.20            | 112.4 |
| 126      | 11/11/2011 18:31:19 | 11.16  | 46.90           | 30.38        | 10.29           | 7.94 | 5.0               | 1.22            | 113.5 |
| 127      | 11/11/2011 18:46:19 | 11.15  | 46.89           | 30.37        | 10.36           | 7.95 | 4.5               | 1.31            | 114.2 |
| 128      | 11/11/2011 19:01:19 | 11.09  | 46.85           | 30.33        | 10.34           | 7.95 | 4.4               | 1.35            | 113.9 |
| 129      | 11/11/2011 19:16:19 | 11.09  | 46.91           | 30.38        | 10.34           | 7.95 | 4.5               | 1.41            | 113.9 |
| 130      | 11/11/2011 19:31:20 | 11.00  | 46.61           | 30.16        | 10.18           | 7.93 | 5.1               | 1.52            | 111.8 |
| 131      | 11/11/2011 19:46:19 | 11.06  | 46.76           | 30.27        | 10.22           | 7.94 | 4.6               | 1.60            | 112.4 |
| 132      | 11/11/2011 20:01:19 | 11.01  | 46.67           | 30.20        | 10.16           | 7.92 | 4.8               | 1.66            | 111.6 |
| 133      | 11/11/2011 20:16:19 | 10.95  | 46.42           | 30.02        | 10.07           | 7.91 | 4.9               | 1.76            | 110.3 |
| 134      | 11/11/2011 20:31:20 | 10.95  | 46.51           | 30.08        | 10.04           | 7.91 | 4.9               | 1.84            | 110.1 |
| 135      | 11/11/2011 20:46:19 | 10.98  | 46.62           | 30.16        | 10.04           | 7.91 | 4.9               | 1.94            | 110.2 |
| 136      | 11/11/2011 21:01:19 | 11.00  | 46.81           | 30.30        | 10.05           | 7.90 | 4.8               | 2.03            | 110.4 |
| 137      | 11/11/2011 21:16:20 | 11.01  | 47.02           | 30.45        | 10.00           | 7.90 | 4.9               | 2.11            | 110.0 |
| 138      | 11/11/2011 21:31:19 | 11.04  | 47.16           | 30.55        | 9.95            | 7.89 | 5.2               | 2.23            | 109.6 |
| 139      | 11/11/2011 21:46:20 | 11.04  | 47.24           | 30.61        | 9.95            | 7.89 | 5.6               | 2.31            | 109.7 |
| 140      | 11/11/2011 22:01:20 | 11.07  | 47.29           | 30.65        | 9.97            | 7.89 | 5.7               | 2.41            | 110.0 |
| 141      | 11/11/2011 22:16:20 | 11.03  | 47.34           | 30.68        | 9.93            | 7.88 | 5.6               | 2.50            | 109.4 |
| 142      | 11/11/2011 22:31:20 | 10.98  | 47.42           | 30.74        | 9.88            | 7.87 | 5.7               | 2.58            | 108.8 |
| 143      | 11/11/2011 22:46:20 | 10.95  | 47.46           | 30.76        | 9.84            | 7.87 | 6.0               | 2.67            | 108.3 |
| 144      | 11/11/2011 23:01:20 | 10.93  | 47.48           | 30.78        | 9.80            | 7.86 | 6.3               | 2.75            | 107.8 |
| 145      | 11/11/2011 23:16:19 | 10.88  | 47.46           | 30.77        | 9.77            | 7.86 | 7.0               | 2.83            | 107.4 |
| 146      | 11/11/2011 23:31:20 | 10.81  | 47.60           | 30.86        | 9.74            | 7.85 | 7.0               | 2.90            | 106.9 |
| 147      | 11/11/2011 23:46:20 | 10.76  | 47.67           | 30.91        | 9.70            | 7.84 | 7.3               | 2.98            | 106.4 |
| 148      | 11/12/2011 00:01:20 | 10.69  | 47.76           | 30.97        | 9.72            | 7.84 | 7.0               | 3.05            | 106.5 |
| 149      | 11/12/2011 00:16:20 | 10.66  | 47.85           | 31.03        | 9.69            | 7.83 | 6.6               | 3.11            | 106.2 |
| 150      | 11/12/2011 00:31:20 | 10.63  | 47.89           | 31.06        | 9.70            | 7.83 | 6.0               | 3.17            | 106.2 |
| 151      | 11/12/2011 00:46:19 | 10.62  | 47.85           | 31.03        | 9.70            | 7.83 | 5.0               | 3.20            | 106.2 |
| 152      | 11/12/2011 01:01:20 | 10.61  | 47.93           | 31.08        | 9.68            | 7.83 | 3.9               | 3.24            | 106.0 |
| 153      | 11/12/2011 01:16:20 | 10.61  | 47.90           | 31.06        | 9.54            | 7.83 | 4.2               | 3.26            | 104.5 |
| 154      | 11/12/2011 01:31:20 | 10.63  | 47.92           | 31.08        | 9.52            | 7.82 | 3.8               | 3.24            | 104.3 |
| 155      | 11/12/2011 01:46:19 | 10.63  | 47.89           | 31.06        | 9.57            | 7.83 | 4.3               | 3.22            | 104.8 |
| 156      | 11/12/2011 02:01:20 | 10.63  | 47.92           | 31.08        | 9.57            | 7.83 | 4.3               | 3.18            | 104.9 |
| 157      | 11/12/2011 02:16:19 | 10.67  | 47.57           | 30.83        | 9.49            | 7.83 | 4.4               | 3.13            | 103.9 |
| 158      | 11/12/2011 02:31:19 | 10.72  | 47.68           | 30.91        | 9.52            | 7.83 | 5.1               | 3.05            | 104.3 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 159      | 11/12/2011 02:46:20 | 10.72  | 47.71           | 30.93        | 9.45            | 7.83 | 5.0               | 2.98            | 103.6 |
| 160      | 11/12/2011 03:01:20 | 10.68  | 47.78           | 30.98        | 9.45            | 7.82 | 4.4               | 2.92            | 103.6 |
| 161      | 11/12/2011 03:16:20 | 10.69  | 47.75           | 30.96        | 9.44            | 7.82 | 4.2               | 2.84            | 103.5 |
| 162      | 11/12/2011 03:31:20 | 10.74  | 47.61           | 30.87        | 9.44            | 7.83 | 4.7               | 2.77            | 103.5 |
| 163      | 11/12/2011 03:46:19 | 10.79  | 47.52           | 30.80        | 9.45            | 7.84 | 4.9               | 2.69            | 103.7 |
| 164      | 11/12/2011 04:01:20 | 10.84  | 47.46           | 30.76        | 9.48            | 7.85 | 4.8               | 2.65            | 104.1 |
| 165      | 11/12/2011 04:16:20 | 10.85  | 47.46           | 30.76        | 9.45            | 7.85 | 4.5               | 2.59            | 103.9 |
| 166      | 11/12/2011 04:31:20 | 10.86  | 47.44           | 30.75        | 9.45            | 7.85 | 4.6               | 2.54            | 103.8 |
| 167      | 11/12/2011 04:46:20 | 10.86  | 47.41           | 30.72        | 9.39            | 7.85 | 4.4               | 2.49            | 103.2 |
| 168      | 11/12/2011 05:01:20 | 10.87  | 47.43           | 30.74        | 9.37            | 7.84 | 4.1               | 2.46            | 102.9 |
| 169      | 11/12/2011 05:16:20 | 10.86  | 47.41           | 30.72        | 9.37            | 7.84 | 4.2               | 2.42            | 102.9 |
| 170      | 11/12/2011 05:31:20 | 10.87  | 47.37           | 30.69        | 9.45            | 7.85 | 4.0               | 2.40            | 103.8 |
| 171      | 11/12/2011 05:46:19 | 10.88  | 47.29           | 30.64        | 9.50            | 7.86 | 3.7               | 2.38            | 104.3 |
| 172      | 11/12/2011 06:01:19 | 10.88  | 47.29           | 30.64        | 9.47            | 7.86 | 3.5               | 2.38            | 104.0 |
| 173      | 11/12/2011 06:16:20 | 10.84  | 47.23           | 30.59        | 9.46            | 7.85 | 3.7               | 2.40            | 103.8 |
| 174      | 11/12/2011 06:31:20 | 10.84  | 47.31           | 30.65        | 9.41            | 7.85 | 3.8               | 2.41            | 103.3 |
| 175      | 11/12/2011 06:46:19 | 10.85  | 47.31           | 30.66        | 9.45            | 7.85 | 4.1               | 2.44            | 103.7 |
| 176      | 11/12/2011 07:01:19 | 10.85  | 47.37           | 30.69        | 9.52            | 7.85 | 4.2               | 2.50            | 104.6 |
| 177      | 11/12/2011 07:16:20 | 10.86  | 47.43           | 30.74        | 9.53            | 7.85 | 4.6               | 2.56            | 104.6 |
| 178      | 11/12/2011 07:31:20 | 10.77  | 47.28           | 30.63        | 9.43            | 7.84 | 5.4               | 2.62            | 103.3 |
| 179      | 11/12/2011 07:46:20 | 10.79  | 47.39           | 30.71        | 9.46            | 7.84 | 5.1               | 2.69            | 103.8 |
| 180      | 11/12/2011 08:01:20 | 10.77  | 47.50           | 30.79        | 9.45            | 7.84 | 4.6               | 2.76            | 103.6 |
| 181      | 11/12/2011 08:16:20 | 10.75  | 47.54           | 30.81        | 9.43            | 7.83 | 4.7               | 2.83            | 103.4 |
| 182      | 11/12/2011 08:31:20 | 10.71  | 47.67           | 30.91        | 9.50            | 7.83 | 4.7               | 2.91            | 104.1 |
| 183      | 11/12/2011 08:46:19 | 10.69  | 47.75           | 30.96        | 9.56            | 7.83 | 4.8               | 2.99            | 104.8 |
| 184      | 11/12/2011 09:01:20 | 10.69  | 47.78           | 30.98        | 9.58            | 7.83 | 4.8               | 3.07            | 105.0 |
| 185      | 11/12/2011 09:16:20 | 10.68  | 47.84           | 31.02        | 9.59            | 7.83 | 4.7               | 3.14            | 105.2 |
| 186      | 11/12/2011 09:31:19 | 10.66  | 47.85           | 31.03        | 9.61            | 7.83 | 4.7               | 3.22            | 105.4 |
| 187      | 11/12/2011 09:46:19 | 10.62  | 47.92           | 31.08        | 9.63            | 7.83 | 4.9               | 3.29            | 105.5 |
| 188      | 11/12/2011 10:01:19 | 10.58  | 47.98           | 31.12        | 9.63            | 7.83 | 5.0               | 3.38            | 105.4 |
| 189      | 11/12/2011 10:16:20 | 10.56  | 48.07           | 31.18        | 9.61            | 7.82 | 4.9               | 3.45            | 105.2 |
| 190      | 11/12/2011 10:31:20 | 10.53  | 48.13           | 31.23        | 9.59            | 7.82 | 4.6               | 3.53            | 104.9 |
| 191      | 11/12/2011 10:46:19 | 10.50  | 48.14           | 31.23        | 9.57            | 7.82 | 4.5               | 3.60            | 104.6 |
| 192      | 11/12/2011 11:01:19 | 10.48  | 48.20           | 31.27        | 9.57            | 7.82 | 3.9               | 3.64            | 104.7 |
| 193      | 11/12/2011 11:16:20 | 10.47  | 48.26           | 31.31        | 9.58            | 7.82 | 3.4               | 3.69            | 104.8 |
| 194      | 11/12/2011 11:31:20 | 10.47  | 48.26           | 31.31        | 9.57            | 7.82 | 3.2               | 3.72            | 104.6 |
| 195      | 11/12/2011 11:46:20 | 10.47  | 48.29           | 31.34        | 9.52            | 7.82 | 2.5               | 3.76            | 104.1 |
| 196      | 11/12/2011 12:01:20 | 10.53  | 48.24           | 31.30        | 9.50            | 7.82 | 2.4               | 3.75            | 104.0 |
| 197      | 11/12/2011 12:16:19 | 10.50  | 48.23           | 31.30        | 9.45            | 7.81 | 2.8               | 3.73            | 103.3 |
| 198      | 11/12/2011 12:31:19 | 10.49  | 48.22           | 31.28        | 9.51            | 7.82 | 3.8               | 3.71            | 104.0 |
| 199      | 11/12/2011 12:46:19 | 10.51  | 48.19           | 31.27        | 9.50            | 7.82 | 3.4               | 3.65            | 103.9 |
| 200      | 11/12/2011 13:01:19 | 10.68  | 48.12           | 31.23        | 9.70            | 7.83 | 4.0               | 3.57            | 106.5 |
| 201      | 11/12/2011 13:16:19 | 10.99  | 47.96           | 31.13        | 10.16           | 7.87 | 4.2               | 3.50            | 112.2 |
| 202      | 11/12/2011 13:31:19 | 10.91  | 47.85           | 31.04        | 10.13           | 7.86 | 4.5               | 3.39            | 111.6 |
| 203      | 11/12/2011 13:46:19 | 10.96  | 48.04           | 31.18        | 10.12           | 7.87 | 4.5               | 3.29            | 111.7 |
| 204      | 11/12/2011 14:01:20 | 10.96  | 47.89           | 31.07        | 9.95            | 7.86 | 5.7               | 3.18            | 109.8 |
| 205      | 11/12/2011 14:16:20 | 10.95  | 47.84           | 31.04        | 9.90            | 7.86 | 6.0               | 3.08            | 109.2 |
| 206      | 11/12/2011 14:31:19 | 10.99  | 47.80           | 31.01        | 9.92            | 7.86 | 6.5               | 2.97            | 109.5 |
| 207      | 11/12/2011 14:46:20 | 11.10  | 47.72           | 30.96        | 10.03           | 7.87 | 5.9               | 2.85            | 110.9 |
| 208      | 11/12/2011 15:01:19 | 11.15  | 47.68           | 30.94        | 10.07           | 7.88 | 5.9               | 2.73            | 111.5 |
| 209      | 11/12/2011 15:16:20 | 11.11  | 47.79           | 31.01        | 10.11           | 7.88 | 5.9               | 2.63            | 111.9 |
| 210      | 11/12/2011 15:31:19 | 11.10  | 47.75           | 30.98        | 10.20           | 7.89 | 5.4               | 2.49            | 112.9 |
| 211      | 11/12/2011 15:46:19 | 11.13  | 47.75           | 30.98        | 10.24           | 7.89 | 5.4               | 2.36            | 113.3 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 212      | 11/12/2011 16:01:19 | 11.21  | 47.57           | 30.86        | 10.30           | 7.90 | 6.8               | 2.24            | 114.1 |
| 213      | 11/12/2011 16:16:19 | 11.26  | 47.51           | 30.82        | 10.33           | 7.91 | 7.4               | 2.11            | 114.5 |
| 214      | 11/12/2011 16:31:20 | 11.26  | 47.52           | 30.82        | 10.34           | 7.92 | 7.9               | 1.96            | 114.6 |
| 215      | 11/12/2011 16:46:19 | 11.25  | 47.48           | 30.79        | 10.25           | 7.92 | 8.4               | 1.83            | 113.6 |
| 216      | 11/12/2011 17:01:20 | 11.21  | 47.53           | 30.83        | 10.14           | 7.91 | 9.2               | 1.70            | 112.3 |
| 217      | 11/12/2011 17:16:19 | 11.23  | 47.46           | 30.78        | 10.03           | 7.91 | 10.4              | 1.56            | 111.1 |
| 218      | 11/12/2011 17:31:19 | 11.26  | 47.34           | 30.70        | 10.06           | 7.90 | 11.5              | 1.46            | 111.5 |
| 219      | 11/12/2011 17:46:20 | 11.29  | 47.35           | 30.71        | 10.07           | 7.91 | 10.8              | 1.34            | 111.6 |
| 220      | 11/12/2011 18:01:19 | 11.31  | 47.26           | 30.64        | 10.08           | 7.91 | 10.1              | 1.27            | 111.7 |
| 221      | 11/12/2011 18:16:19 | 11.30  | 47.21           | 30.61        | 10.08           | 7.91 | 9.1               | 1.21            | 111.6 |
| 222      | 11/12/2011 18:31:20 | 11.32  | 47.22           | 30.61        | 10.14           | 7.92 | 8.5               | 1.19            | 112.4 |
| 223      | 11/12/2011 18:46:20 | 11.25  | 47.27           | 30.64        | 9.95            | 7.91 | 7.9               | 1.17            | 110.1 |
| 224      | 11/12/2011 19:01:20 | 11.41  | 47.03           | 30.48        | 10.15           | 7.93 | 9.9               | 1.19            | 112.7 |
| 225      | 11/12/2011 19:16:19 | 11.40  | 46.76           | 30.29        | 10.20           | 7.94 | 9.3               | 1.27            | 113.0 |
| 226      | 11/12/2011 19:31:19 | 11.39  | 47.00           | 30.46        | 10.22           | 7.94 | 9.5               | 1.34            | 113.3 |
| 227      | 11/12/2011 19:46:19 | 11.38  | 46.94           | 30.41        | 10.22           | 7.94 | 9.7               | 1.38            | 113.3 |
| 228      | 11/12/2011 20:01:20 | 11.37  | 47.03           | 30.47        | 10.27           | 7.94 | 8.8               | 1.47            | 113.8 |
| 229      | 11/12/2011 20:16:19 | 11.34  | 46.78           | 30.30        | 10.15           | 7.92 | 8.1               | 1.54            | 112.3 |
| 230      | 11/12/2011 20:31:20 | 11.35  | 46.93           | 30.40        | 10.17           | 7.92 | 7.7               | 1.63            | 112.7 |
| 231      | 11/12/2011 20:46:20 | 11.33  | 46.81           | 30.32        | 10.13           | 7.92 | 7.1               | 1.72            | 112.1 |
| 232      | 11/12/2011 21:01:19 | 11.31  | 46.64           | 30.19        | 10.06           | 7.91 | 6.8               | 1.79            | 111.2 |
| 233      | 11/12/2011 21:16:20 | 11.32  | 46.78           | 30.29        | 10.07           | 7.91 | 6.5               | 1.86            | 111.4 |
| 234      | 11/12/2011 21:31:19 | 11.33  | 46.97           | 30.43        | 10.10           | 7.91 | 6.7               | 1.97            | 111.8 |
| 235      | 11/12/2011 21:46:19 | 11.31  | 46.98           | 30.44        | 10.11           | 7.90 | 6.5               | 2.09            | 111.9 |
| 236      | 11/12/2011 22:01:20 | 11.32  | 47.10           | 30.52        | 10.05           | 7.90 | 6.2               | 2.15            | 111.4 |
| 237      | 11/12/2011 22:16:19 | 11.32  | 47.21           | 30.61        | 9.99            | 7.89 | 6.0               | 2.24            | 110.8 |
| 238      | 11/12/2011 22:31:20 | 11.33  | 47.32           | 30.69        | 10.05           | 7.89 | 6.2               | 2.37            | 111.5 |
| 239      | 11/12/2011 22:46:20 | 11.31  | 47.40           | 30.74        | 10.01           | 7.89 | 6.6               | 2.44            | 111.0 |
| 240      | 11/12/2011 23:01:19 | 11.27  | 47.42           | 30.76        | 9.97            | 7.88 | 6.5               | 2.52            | 110.5 |
| 241      | 11/12/2011 23:16:19 | 11.23  | 47.45           | 30.78        | 9.96            | 7.87 | 6.5               | 2.62            | 110.3 |
| 242      | 11/12/2011 23:31:19 | 11.21  | 47.47           | 30.79        | 9.94            | 7.87 | 6.4               | 2.70            | 110.1 |
| 243      | 11/12/2011 23:46:19 | 11.18  | 47.50           | 30.81        | 9.92            | 7.87 | 6.9               | 2.77            | 109.8 |
| 244      | 11/13/2011 00:01:20 | 11.12  | 47.55           | 30.84        | 9.86            | 7.86 | 7.8               | 2.83            | 109.1 |
| 245      | 11/13/2011 00:16:20 | 11.07  | 47.65           | 30.91        | 9.83            | 7.85 | 6.9               | 2.94            | 108.6 |
| 246      | 11/13/2011 00:31:20 | 10.99  | 47.76           | 30.98        | 9.81            | 7.85 | 7.4               | 2.99            | 108.2 |
| 247      | 11/13/2011 00:46:20 | 10.92  | 47.89           | 31.08        | 9.80            | 7.84 | 6.7               | 3.05            | 108.0 |
| 248      | 11/13/2011 01:01:20 | 10.88  | 47.94           | 31.11        | 9.80            | 7.84 | 5.8               | 3.11            | 108.0 |
| 249      | 11/13/2011 01:16:20 | 10.86  | 47.99           | 31.14        | 9.75            | 7.84 | 5.1               | 3.15            | 107.4 |
| 250      | 11/13/2011 01:31:20 | 10.83  | 48.01           | 31.15        | 9.75            | 7.84 | 4.6               | 3.20            | 107.3 |
| 251      | 11/13/2011 01:46:20 | 10.81  | 48.05           | 31.18        | 9.71            | 7.83 | 3.7               | 3.22            | 106.8 |
| 252      | 11/13/2011 02:01:20 | 10.88  | 47.88           | 31.06        | 9.64            | 7.84 | 3.6               | 3.23            | 106.2 |
| 253      | 11/13/2011 02:16:20 | 10.82  | 48.01           | 31.15        | 9.59            | 7.83 | 3.7               | 3.22            | 105.5 |
| 254      | 11/13/2011 02:31:20 | 10.85  | 47.99           | 31.14        | 9.60            | 7.83 | 4.2               | 3.20            | 105.7 |
| 255      | 11/13/2011 02:46:20 | 10.84  | 47.98           | 31.14        | 9.60            | 7.83 | 4.2               | 3.17            | 105.7 |
| 256      | 11/13/2011 03:01:19 | 10.91  | 47.81           | 31.02        | 9.57            | 7.83 | 5.2               | 3.09            | 105.4 |
| 257      | 11/13/2011 03:16:20 | 10.93  | 47.72           | 30.95        | 9.55            | 7.83 | 5.1               | 3.04            | 105.2 |
| 258      | 11/13/2011 03:31:20 | 10.94  | 47.76           | 30.98        | 9.55            | 7.83 | 4.6               | 2.98            | 105.2 |
| 259      | 11/13/2011 03:46:20 | 10.92  | 47.77           | 30.99        | 9.49            | 7.83 | 5.0               | 2.89            | 104.6 |
| 260      | 11/13/2011 04:01:20 | 10.92  | 47.74           | 30.97        | 9.50            | 7.83 | 4.3               | 2.83            | 104.6 |
| 261      | 11/13/2011 04:16:20 | 10.91  | 47.77           | 30.99        | 9.47            | 7.83 | 4.2               | 2.77            | 104.3 |
| 262      | 11/13/2011 04:31:20 | 10.94  | 47.68           | 30.93        | 9.44            | 7.83 | 4.3               | 2.71            | 104.0 |
| 263      | 11/13/2011 04:46:20 | 11.01  | 47.57           | 30.85        | 9.42            | 7.84 | 4.3               | 2.65            | 103.9 |
| 264      | 11/13/2011 05:01:20 | 11.00  | 47.57           | 30.85        | 9.37            | 7.84 | 4.6               | 2.59            | 103.3 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 265      | 11/13/2011 05:16:20 | 11.04  | 47.47           | 30.78        | 9.36            | 7.84 | 4.6               | 2.56            | 103.3 |
| 266      | 11/13/2011 05:31:20 | 11.04  | 47.50           | 30.80        | 9.40            | 7.84 | 4.6               | 2.49            | 103.7 |
| 267      | 11/13/2011 05:46:20 | 11.03  | 47.42           | 30.74        | 9.31            | 7.84 | 4.6               | 2.47            | 102.6 |
| 268      | 11/13/2011 06:01:20 | 11.06  | 47.43           | 30.75        | 9.34            | 7.84 | 4.3               | 2.46            | 103.0 |
| 269      | 11/13/2011 06:16:19 | 11.08  | 47.37           | 30.70        | 9.39            | 7.85 | 4.4               | 2.43            | 103.7 |
| 270      | 11/13/2011 06:31:19 | 11.08  | 47.35           | 30.69        | 9.42            | 7.85 | 3.7               | 2.43            | 104.0 |
| 271      | 11/13/2011 06:46:19 | 11.06  | 47.36           | 30.70        | 9.39            | 7.85 | 4.0               | 2.45            | 103.6 |
| 272      | 11/13/2011 07:01:19 | 11.04  | 47.36           | 30.70        | 9.48            | 7.85 | 3.9               | 2.46            | 104.5 |
| 273      | 11/13/2011 07:16:20 | 11.07  | 47.42           | 30.74        | 9.53            | 7.85 | 4.0               | 2.48            | 105.1 |
| 274      | 11/13/2011 07:31:19 | 11.08  | 47.41           | 30.74        | 9.57            | 7.85 | 4.1               | 2.52            | 105.6 |
| 275      | 11/13/2011 07:46:20 | 11.07  | 47.43           | 30.75        | 9.58            | 7.85 | 4.2               | 2.56            | 105.8 |
| 276      | 11/13/2011 08:01:20 | 11.03  | 47.39           | 30.72        | 9.53            | 7.84 | 5.3               | 2.62            | 105.0 |
| 277      | 11/13/2011 08:16:20 | 11.00  | 47.34           | 30.68        | 9.49            | 7.84 | 5.1               | 2.68            | 104.5 |
| 278      | 11/13/2011 08:31:20 | 11.02  | 47.49           | 30.79        | 9.53            | 7.84 | 4.9               | 2.74            | 105.1 |
| 279      | 11/13/2011 08:46:20 | 10.98  | 47.58           | 30.86        | 9.51            | 7.83 | 4.9               | 2.82            | 104.8 |
| 280      | 11/13/2011 09:01:19 | 10.95  | 47.65           | 30.90        | 9.51            | 7.83 | 4.7               | 2.88            | 104.8 |
| 281      | 11/13/2011 09:16:20 | 10.92  | 47.80           | 31.01        | 9.60            | 7.83 | 4.5               | 2.96            | 105.7 |
| 282      | 11/13/2011 09:31:20 | 10.91  | 47.85           | 31.04        | 9.63            | 7.83 | 4.7               | 3.04            | 106.1 |
| 283      | 11/13/2011 09:46:20 | 10.91  | 47.90           | 31.08        | 9.63            | 7.83 | 4.8               | 3.11            | 106.1 |
| 284      | 11/13/2011 10:01:20 | 10.89  | 47.93           | 31.10        | 9.66            | 7.83 | 4.2               | 3.20            | 106.4 |
| 285      | 11/13/2011 10:16:20 | 10.85  | 47.98           | 31.13        | 9.66            | 7.83 | 4.6               | 3.27            | 106.4 |
| 286      | 11/13/2011 10:31:20 | 10.80  | 48.05           | 31.18        | 9.66            | 7.82 | 4.8               | 3.34            | 106.2 |
| 287      | 11/13/2011 10:46:20 | 10.77  | 48.14           | 31.24        | 9.64            | 7.82 | 4.2               | 3.41            | 106.1 |
| 288      | 11/13/2011 11:01:20 | 10.74  | 48.13           | 31.24        | 9.63            | 7.82 | 4.3               | 3.48            | 105.9 |
| 289      | 11/13/2011 11:16:20 | 10.70  | 48.20           | 31.28        | 9.62            | 7.82 | 4.5               | 3.54            | 105.7 |
| 290      | 11/13/2011 11:31:20 | 10.66  | 48.22           | 31.29        | 9.60            | 7.81 | 3.8               | 3.58            | 105.4 |
| 291      | 11/13/2011 11:46:20 | 10.63  | 48.28           | 31.34        | 9.58            | 7.81 | 3.4               | 3.64            | 105.1 |
| 292      | 11/13/2011 12:01:20 | 10.63  | 48.30           | 31.36        | 9.58            | 7.81 | 3.5               | 3.66            | 105.1 |
| 293      | 11/13/2011 12:16:20 | 10.61  | 48.32           | 31.37        | 9.57            | 7.81 | 2.7               | 3.70            | 105.0 |
| 294      | 11/13/2011 12:31:20 | 10.60  | 48.34           | 31.38        | 9.45            | 7.81 | 2.2               | 3.71            | 103.6 |
| 295      | 11/13/2011 12:46:20 | 10.67  | 48.29           | 31.34        | 9.49            | 7.81 | 3.1               | 3.69            | 104.2 |
| 296      | 11/13/2011 13:01:20 | 10.63  | 48.28           | 31.34        | 9.43            | 7.80 | 2.9               | 3.69            | 103.5 |
| 297      | 11/13/2011 13:16:19 | 10.64  | 48.21           | 31.29        | 9.47            | 7.80 | 4.1               | 3.65            | 103.9 |
| 298      | 11/13/2011 13:31:20 | 10.72  | 48.24           | 31.31        | 9.54            | 7.81 | 3.9               | 3.57            | 104.8 |
| 299      | 11/13/2011 13:46:20 | 10.99  | 48.10           | 31.23        | 9.90            | 7.84 | 4.0               | 3.51            | 109.4 |
| 300      | 11/13/2011 14:01:20 | 11.10  | 48.11           | 31.24        | 10.14           | 7.86 | 4.6               | 3.41            | 112.3 |
| 301      | 11/13/2011 14:16:19 | 11.07  | 48.07           | 31.21        | 10.12           | 7.86 | 3.8               | 3.32            | 112.0 |
| 302      | 11/13/2011 14:31:20 | 11.13  | 48.00           | 31.16        | 10.08           | 7.86 | 5.3               | 3.21            | 111.6 |
| 303      | 11/13/2011 14:46:19 | 11.14  | 47.84           | 31.05        | 9.94            | 7.85 | 6.1               | 3.11            | 110.0 |
| 304      | 11/13/2011 15:01:20 | 11.18  | 47.87           | 31.08        | 9.98            | 7.86 | 5.7               | 3.02            | 110.7 |
| 305      | 11/13/2011 15:16:20 | 11.23  | 47.81           | 31.03        | 10.01           | 7.86 | 5.7               | 2.91            | 111.0 |
| 306      | 11/13/2011 15:31:20 | 11.26  | 47.79           | 31.02        | 10.01           | 7.87 | 5.4               | 2.77            | 111.1 |
| 307      | 11/13/2011 15:46:19 | 11.30  | 47.69           | 30.95        | 10.10           | 7.88 | 6.3               | 2.66            | 112.2 |
| 308      | 11/13/2011 16:01:19 | 11.26  | 47.70           | 30.95        | 10.14           | 7.88 | 4.5               | 2.57            | 112.5 |
| 309      | 11/13/2011 16:16:19 | 11.27  | 47.78           | 31.01        | 10.14           | 7.88 | 4.3               | 2.43            | 112.6 |
| 310      | 11/13/2011 16:31:20 | 11.33  | 47.71           | 30.97        | 10.13           | 7.88 | 5.4               | 2.27            | 112.6 |
| 311      | 11/13/2011 16:46:20 | 11.33  | 47.70           | 30.96        | 10.07           | 7.89 | 5.2               | 2.16            | 111.9 |
| 312      | 11/13/2011 17:01:19 | 11.39  | 47.56           | 30.86        | 10.03           | 7.89 | 5.6               | 2.04            | 111.5 |
| 313      | 11/13/2011 17:16:19 | 11.38  | 47.49           | 30.81        | 10.03           | 7.89 | 6.4               | 1.90            | 111.5 |
| 314      | 11/13/2011 17:31:19 | 11.39  | 47.48           | 30.80        | 9.99            | 7.89 | 7.0               | 1.76            | 111.0 |
| 315      | 11/13/2011 17:46:19 | 11.42  | 47.35           | 30.71        | 9.95            | 7.89 | 7.3               | 1.65            | 110.6 |
| 316      | 11/13/2011 18:01:20 | 11.43  | 47.43           | 30.77        | 9.95            | 7.89 | 6.4               | 1.55            | 110.7 |
| 317      | 11/13/2011 18:16:19 | 11.46  | 47.28           | 30.66        | 9.97            | 7.89 | 6.5               | 1.43            | 110.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 318      | 11/13/2011 18:31:20 | 11.50  | 47.32           | 30.69        | 10.01           | 7.90 | 6.1               | 1.33            | 111.4 |
| 319      | 11/13/2011 18:46:20 | 11.52  | 47.25           | 30.64        | 10.02           | 7.90 | 6.3               | 1.27            | 111.5 |
| 320      | 11/13/2011 19:01:20 | 11.53  | 47.22           | 30.62        | 9.97            | 7.90 | 5.9               | 1.23            | 111.0 |
| 321      | 11/13/2011 19:16:20 | 11.54  | 47.20           | 30.61        | 9.97            | 7.91 | 5.3               | 1.20            | 111.1 |
| 322      | 11/13/2011 19:31:20 | 11.46  | 47.21           | 30.61        | 9.90            | 7.90 | 5.6               | 1.18            | 110.0 |
| 323      | 11/13/2011 19:46:19 | 11.60  | 46.97           | 30.45        | 10.01           | 7.91 | 5.8               | 1.22            | 111.5 |
| 324      | 11/13/2011 20:01:20 | 11.58  | 47.09           | 30.53        | 10.09           | 7.91 | 5.4               | 1.29            | 112.5 |
| 325      | 11/13/2011 20:16:20 | 11.53  | 47.06           | 30.51        | 10.06           | 7.91 | 5.4               | 1.36            | 111.9 |
| 326      | 11/13/2011 20:31:19 | 11.51  | 47.04           | 30.49        | 10.08           | 7.91 | 5.3               | 1.42            | 112.2 |
| 327      | 11/13/2011 20:46:19 | 11.50  | 46.81           | 30.33        | 10.01           | 7.90 | 5.6               | 1.53            | 111.2 |
| 328      | 11/13/2011 21:01:20 | 11.51  | 46.95           | 30.42        | 10.06           | 7.90 | 5.2               | 1.61            | 111.8 |
| 329      | 11/13/2011 21:16:19 | 11.50  | 46.80           | 30.32        | 9.99            | 7.89 | 5.1               | 1.67            | 111.0 |
| 330      | 11/13/2011 21:31:20 | 11.47  | 46.60           | 30.18        | 9.93            | 7.88 | 5.2               | 1.75            | 110.2 |
| 331      | 11/13/2011 21:46:19 | 11.46  | 46.64           | 30.21        | 9.90            | 7.88 | 5.2               | 1.82            | 109.8 |
| 332      | 11/13/2011 22:01:19 | 11.48  | 46.83           | 30.34        | 9.97            | 7.88 | 5.0               | 1.93            | 110.7 |
| 333      | 11/13/2011 22:16:20 | 11.48  | 47.04           | 30.49        | 10.00           | 7.89 | 5.1               | 2.02            | 111.1 |
| 334      | 11/13/2011 22:31:19 | 11.47  | 47.09           | 30.53        | 9.98            | 7.89 | 4.6               | 2.10            | 110.9 |
| 335      | 11/13/2011 22:46:20 | 11.47  | 47.28           | 30.66        | 9.97            | 7.88 | 5.1               | 2.21            | 111.0 |
| 336      | 11/13/2011 23:01:20 | 11.47  | 47.31           | 30.68        | 9.96            | 7.88 | 4.9               | 2.29            | 110.9 |
| 337      | 11/13/2011 23:16:20 | 11.48  | 47.39           | 30.74        | 10.02           | 7.88 | 5.1               | 2.37            | 111.5 |
| 338      | 11/13/2011 23:31:20 | 11.44  | 47.43           | 30.77        | 9.98            | 7.88 | 5.0               | 2.48            | 111.0 |
| 339      | 11/13/2011 23:46:19 | 11.40  | 47.47           | 30.79        | 9.97            | 7.87 | 5.2               | 2.57            | 110.8 |
| 340      | 11/14/2011 00:01:19 | 11.37  | 47.48           | 30.80        | 9.95            | 7.87 | 5.4               | 2.64            | 110.6 |
| 341      | 11/14/2011 00:16:20 | 11.35  | 47.57           | 30.87        | 9.90            | 7.86 | 5.3               | 2.71            | 110.0 |
| 342      | 11/14/2011 00:31:20 | 11.32  | 47.59           | 30.88        | 9.87            | 7.86 | 5.7               | 2.80            | 109.6 |
| 343      | 11/14/2011 00:46:20 | 11.27  | 47.58           | 30.87        | 9.84            | 7.86 | 5.9               | 2.86            | 109.1 |
| 344      | 11/14/2011 01:01:19 | 11.21  | 47.64           | 30.91        | 9.82            | 7.85 | 6.0               | 2.92            | 108.9 |
| 345      | 11/14/2011 01:16:19 | 11.13  | 47.72           | 30.96        | 9.81            | 7.85 | 5.4               | 3.00            | 108.6 |
| 346      | 11/14/2011 01:31:20 | 11.07  | 47.88           | 31.07        | 9.79            | 7.84 | 5.6               | 3.04            | 108.2 |
| 347      | 11/14/2011 01:46:20 | 11.00  | 47.97           | 31.14        | 9.79            | 7.84 | 5.1               | 3.10            | 108.1 |
| 348      | 11/14/2011 02:01:20 | 10.96  | 48.01           | 31.17        | 9.74            | 7.83 | 4.7               | 3.13            | 107.5 |
| 349      | 11/14/2011 02:16:20 | 10.94  | 48.04           | 31.18        | 9.67            | 7.83 | 3.7               | 3.17            | 106.7 |
| 350      | 11/14/2011 02:31:20 | 11.03  | 47.91           | 31.09        | 9.60            | 7.83 | 3.4               | 3.18            | 106.1 |
| 351      | 11/14/2011 02:46:20 | 10.96  | 48.02           | 31.17        | 9.54            | 7.82 | 3.5               | 3.19            | 105.3 |
| 352      | 11/14/2011 03:01:20 | 10.94  | 48.05           | 31.19        | 9.59            | 7.82 | 3.8               | 3.17            | 105.8 |
| 353      | 11/14/2011 03:16:20 | 10.96  | 47.97           | 31.13        | 9.62            | 7.83 | 3.8               | 3.13            | 106.1 |
| 354      | 11/14/2011 03:31:20 | 10.99  | 47.94           | 31.11        | 9.60            | 7.83 | 4.3               | 3.09            | 106.0 |
| 355      | 11/14/2011 03:46:20 | 11.06  | 47.74           | 30.97        | 9.52            | 7.83 | 4.1               | 3.04            | 105.2 |
| 356      | 11/14/2011 04:01:19 | 11.06  | 47.67           | 30.93        | 9.51            | 7.83 | 4.1               | 2.96            | 105.0 |
| 357      | 11/14/2011 04:16:20 | 11.06  | 47.69           | 30.94        | 9.52            | 7.83 | 4.2               | 2.90            | 105.2 |
| 358      | 11/14/2011 04:31:20 | 11.05  | 47.73           | 30.96        | 9.48            | 7.83 | 4.3               | 2.88            | 104.7 |
| 359      | 11/14/2011 04:46:20 | 11.04  | 47.74           | 30.97        | 9.47            | 7.83 | 4.1               | 2.81            | 104.5 |
| 360      | 11/14/2011 05:01:20 | 11.04  | 47.72           | 30.96        | 9.45            | 7.83 | 4.2               | 2.75            | 104.4 |
| 361      | 11/14/2011 05:16:20 | 11.05  | 47.67           | 30.92        | 9.41            | 7.83 | 4.0               | 2.72            | 103.9 |
| 362      | 11/14/2011 05:31:20 | 11.10  | 47.58           | 30.86        | 9.42            | 7.83 | 4.0               | 2.64            | 104.1 |
| 363      | 11/14/2011 05:46:20 | 11.12  | 47.58           | 30.86        | 9.36            | 7.83 | 4.1               | 2.61            | 103.5 |
| 364      | 11/14/2011 06:01:20 | 11.14  | 47.56           | 30.85        | 9.38            | 7.84 | 4.0               | 2.56            | 103.7 |
| 365      | 11/14/2011 06:16:20 | 11.17  | 47.52           | 30.82        | 9.37            | 7.84 | 4.0               | 2.51            | 103.7 |
| 366      | 11/14/2011 06:31:20 | 11.17  | 47.42           | 30.75        | 9.36            | 7.84 | 4.0               | 2.49            | 103.6 |
| 367      | 11/14/2011 06:46:19 | 11.19  | 47.38           | 30.72        | 9.41            | 7.84 | 3.8               | 2.46            | 104.1 |
| 368      | 11/14/2011 07:01:19 | 11.21  | 47.41           | 30.75        | 9.40            | 7.85 | 3.7               | 2.46            | 104.0 |
| 369      | 11/14/2011 07:16:20 | 11.18  | 47.42           | 30.75        | 9.33            | 7.84 | 3.7               | 2.43            | 103.2 |
| 370      | 11/14/2011 07:31:20 | 11.17  | 47.45           | 30.77        | 9.34            | 7.84 | 3.6               | 2.45            | 103.3 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 371      | 11/14/2011 07:46:19 | 11.17  | 47.37           | 30.71        | 9.48            | 7.85 | 3.6               | 2.48            | 104.9 |
| 372      | 11/14/2011 08:01:20 | 11.19  | 47.46           | 30.78        | 9.53            | 7.85 | 3.7               | 2.50            | 105.4 |
| 373      | 11/14/2011 08:16:20 | 11.21  | 47.48           | 30.80        | 9.59            | 7.85 | 3.5               | 2.56            | 106.1 |
| 374      | 11/14/2011 08:31:19 | 11.20  | 47.42           | 30.75        | 9.61            | 7.85 | 3.8               | 2.61            | 106.4 |
| 375      | 11/14/2011 08:46:20 | 11.16  | 47.49           | 30.80        | 9.59            | 7.85 | 4.4               | 2.66            | 106.1 |
| 376      | 11/14/2011 09:01:20 | 11.11  | 47.44           | 30.76        | 9.53            | 7.84 | 4.6               | 2.70            | 105.2 |
| 377      | 11/14/2011 09:16:19 | 11.14  | 47.50           | 30.81        | 9.55            | 7.84 | 4.3               | 2.77            | 105.6 |
| 378      | 11/14/2011 09:31:19 | 11.11  | 47.55           | 30.84        | 9.54            | 7.84 | 4.3               | 2.84            | 105.5 |
| 379      | 11/14/2011 09:46:20 | 11.08  | 47.61           | 30.88        | 9.53            | 7.83 | 4.1               | 2.90            | 105.3 |
| 380      | 11/14/2011 10:01:20 | 11.02  | 47.81           | 31.02        | 9.56            | 7.83 | 4.1               | 2.96            | 105.6 |
| 381      | 11/14/2011 10:16:20 | 10.98  | 47.92           | 31.10        | 9.62            | 7.83 | 3.9               | 3.02            | 106.2 |
| 382      | 11/14/2011 10:31:20 | 10.96  | 47.92           | 31.10        | 9.64            | 7.83 | 3.8               | 3.12            | 106.3 |
| 383      | 11/14/2011 10:46:20 | 10.95  | 47.99           | 31.15        | 9.65            | 7.83 | 4.2               | 3.17            | 106.4 |
| 384      | 11/14/2011 11:01:20 | 10.93  | 47.97           | 31.13        | 9.65            | 7.82 | 3.9               | 3.28            | 106.4 |
| 385      | 11/14/2011 11:16:20 | 10.88  | 48.07           | 31.20        | 9.64            | 7.82 | 3.8               | 3.34            | 106.3 |
| 386      | 11/14/2011 11:31:20 | 10.81  | 48.16           | 31.26        | 9.60            | 7.81 | 4.1               | 3.39            | 105.7 |
| 387      | 11/14/2011 11:46:20 | 10.78  | 48.19           | 31.28        | 9.57            | 7.81 | 3.5               | 3.46            | 105.4 |
| 388      | 11/14/2011 12:01:20 | 10.74  | 48.20           | 31.29        | 9.56            | 7.80 | 4.0               | 3.53            | 105.1 |
| 389      | 11/14/2011 12:16:20 | 10.70  | 48.25           | 31.32        | 9.52            | 7.80 | 3.2               | 3.57            | 104.6 |
| 390      | 11/14/2011 12:31:20 | 10.70  | 48.26           | 31.33        | 9.50            | 7.80 | 2.9               | 3.57            | 104.3 |
| 391      | 11/14/2011 12:46:20 | 10.66  | 48.28           | 31.34        | 9.37            | 7.79 | 2.3               | 3.60            | 102.9 |
| 392      | 11/14/2011 13:01:20 | 10.75  | 48.16           | 31.26        | 9.36            | 7.80 | 2.7               | 3.63            | 103.0 |
| 393      | 11/14/2011 13:16:19 | 10.72  | 48.22           | 31.30        | 9.37            | 7.79 | 2.6               | 3.58            | 103.0 |
| 394      | 11/14/2011 13:31:20 | 10.67  | 48.29           | 31.35        | 9.35            | 7.79 | 3.0               | 3.56            | 102.7 |
| 395      | 11/14/2011 13:46:20 | 10.68  | 48.28           | 31.34        | 9.35            | 7.79 | 3.0               | 3.55            | 102.7 |
| 396      | 11/14/2011 14:01:20 | 10.72  | 48.27           | 31.34        | 9.39            | 7.79 | 3.0               | 3.50            | 103.3 |
| 397      | 11/14/2011 14:16:20 | 10.93  | 48.13           | 31.25        | 9.72            | 7.82 | 3.5               | 3.44            | 107.3 |
| 398      | 11/14/2011 14:31:19 | 11.15  | 47.98           | 31.15        | 10.21           | 7.86 | 3.9               | 3.37            | 113.2 |
| 399      | 11/14/2011 14:46:20 | 11.07  | 48.12           | 31.25        | 10.13           | 7.85 | 3.4               | 3.29            | 112.2 |
| 400      | 11/14/2011 15:01:20 | 11.09  | 48.02           | 31.17        | 9.98            | 7.85 | 4.5               | 3.20            | 110.5 |
| 401      | 11/14/2011 15:16:19 | 11.13  | 47.83           | 31.04        | 9.92            | 7.85 | 4.6               | 3.09            | 109.8 |
| 402      | 11/14/2011 15:31:19 | 11.18  | 47.87           | 31.07        | 9.97            | 7.86 | 5.1               | 3.00            | 110.5 |
| 403      | 11/14/2011 15:46:20 | 11.25  | 47.81           | 31.03        | 10.02           | 7.87 | 5.1               | 2.91            | 111.2 |
| 404      | 11/14/2011 16:01:20 | 11.30  | 47.77           | 31.00        | 10.05           | 7.87 | 5.6               | 2.81            | 111.7 |
| 405      | 11/14/2011 16:16:20 | 11.31  | 47.64           | 30.92        | 10.04           | 7.88 | 5.8               | 2.71            | 111.5 |
| 406      | 11/14/2011 16:31:19 | 11.24  | 47.79           | 31.02        | 10.08           | 7.88 | 4.8               | 2.60            | 111.8 |
| 407      | 11/14/2011 16:46:19 | 11.18  | 47.81           | 31.03        | 10.06           | 7.87 | 5.1               | 2.47            | 111.5 |
| 408      | 11/14/2011 17:01:20 | 11.29  | 47.64           | 30.91        | 10.08           | 7.88 | 6.1               | 2.37            | 111.9 |
| 409      | 11/14/2011 17:16:19 | 11.29  | 47.59           | 30.88        | 10.04           | 7.88 | 6.7               | 2.24            | 111.4 |
| 410      | 11/14/2011 17:31:20 | 11.26  | 47.64           | 30.91        | 10.03           | 7.88 | 5.8               | 2.10            | 111.2 |
| 411      | 11/14/2011 17:46:20 | 11.27  | 47.60           | 30.88        | 9.96            | 7.88 | 6.3               | 1.98            | 110.5 |
| 412      | 11/14/2011 18:01:19 | 11.30  | 47.45           | 30.78        | 9.94            | 7.89 | 5.9               | 1.89            | 110.3 |
| 413      | 11/14/2011 18:16:19 | 11.26  | 47.48           | 30.80        | 9.96            | 7.89 | 6.0               | 1.75            | 110.4 |
| 414      | 11/14/2011 18:31:19 | 11.38  | 47.36           | 30.72        | 10.00           | 7.89 | 6.0               | 1.64            | 111.1 |
| 415      | 11/14/2011 18:46:20 | 11.37  | 47.39           | 30.74        | 9.94            | 7.89 | 6.1               | 1.54            | 110.4 |
| 416      | 11/14/2011 19:01:20 | 11.39  | 47.37           | 30.73        | 9.96            | 7.89 | 5.7               | 1.44            | 110.6 |
| 417      | 11/14/2011 19:16:20 | 11.42  | 47.37           | 30.72        | 9.98            | 7.90 | 5.2               | 1.34            | 111.0 |
| 418      | 11/14/2011 19:31:20 | 11.42  | 47.28           | 30.66        | 9.99            | 7.90 | 5.4               | 1.31            | 111.0 |
| 419      | 11/14/2011 19:46:20 | 11.43  | 47.27           | 30.66        | 9.99            | 7.90 | 5.2               | 1.28            | 111.0 |
| 420      | 11/14/2011 20:01:20 | 11.41  | 47.27           | 30.65        | 9.99            | 7.90 | 5.2               | 1.25            | 111.0 |
| 421      | 11/14/2011 20:16:20 | 11.42  | 47.24           | 30.63        | 10.01           | 7.90 | 4.8               | 1.26            | 111.2 |
| 422      | 11/14/2011 20:31:20 | 11.43  | 47.20           | 30.61        | 10.09           | 7.90 | 4.4               | 1.30            | 112.1 |
| 423      | 11/14/2011 20:46:20 | 11.42  | 47.16           | 30.57        | 10.10           | 7.90 | 4.3               | 1.37            | 112.2 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 424      | 11/14/2011 21:01:19 | 11.36  | 47.01           | 30.46        | 10.13           | 7.90 | 4.4               | 1.45            | 112.3 |
| 425      | 11/14/2011 21:16:20 | 11.35  | 47.16           | 30.57        | 10.17           | 7.91 | 4.2               | 1.50            | 112.8 |
| 426      | 11/14/2011 21:31:20 | 11.30  | 46.90           | 30.38        | 9.97            | 7.88 | 4.6               | 1.58            | 110.4 |
| 427      | 11/14/2011 21:46:20 | 11.35  | 46.97           | 30.43        | 10.03           | 7.89 | 4.4               | 1.67            | 111.2 |
| 428      | 11/14/2011 22:01:19 | 11.34  | 46.83           | 30.33        | 9.96            | 7.88 | 4.7               | 1.74            | 110.3 |
| 429      | 11/14/2011 22:16:20 | 11.33  | 46.84           | 30.34        | 9.91            | 7.87 | 4.8               | 1.81            | 109.7 |
| 430      | 11/14/2011 22:31:20 | 11.34  | 46.83           | 30.33        | 9.93            | 7.87 | 4.9               | 1.90            | 109.9 |
| 431      | 11/14/2011 22:46:20 | 11.38  | 47.10           | 30.53        | 9.98            | 7.88 | 4.3               | 1.97            | 110.7 |
| 432      | 11/14/2011 23:01:20 | 11.39  | 47.17           | 30.58        | 9.95            | 7.88 | 4.3               | 2.05            | 110.5 |
| 433      | 11/14/2011 23:16:20 | 11.39  | 47.21           | 30.61        | 9.96            | 7.88 | 4.3               | 2.15            | 110.6 |
| 434      | 11/14/2011 23:31:19 | 11.39  | 47.32           | 30.69        | 9.97            | 7.88 | 4.5               | 2.24            | 110.7 |
| 435      | 11/14/2011 23:46:20 | 11.38  | 47.36           | 30.71        | 9.97            | 7.88 | 4.5               | 2.33            | 110.8 |
| 436      | 11/15/2011 00:01:20 | 11.39  | 47.44           | 30.77        | 10.00           | 7.88 | 4.5               | 2.42            | 111.2 |
| 437      | 11/15/2011 00:16:20 | 11.36  | 47.50           | 30.82        | 9.96            | 7.88 | 4.5               | 2.51            | 110.6 |
| 438      | 11/15/2011 00:31:20 | 11.32  | 47.50           | 30.81        | 9.93            | 7.87 | 4.7               | 2.60            | 110.2 |
| 439      | 11/15/2011 00:46:20 | 11.29  | 47.59           | 30.88        | 9.89            | 7.86 | 4.6               | 2.68            | 109.8 |
| 440      | 11/15/2011 01:01:19 | 11.28  | 47.52           | 30.83        | 9.85            | 7.86 | 5.5               | 2.76            | 109.3 |
| 441      | 11/15/2011 01:16:20 | 11.26  | 47.64           | 30.91        | 9.84            | 7.86 | 5.1               | 2.81            | 109.2 |
| 442      | 11/15/2011 01:31:20 | 11.22  | 47.68           | 30.94        | 9.80            | 7.85 | 5.1               | 2.88            | 108.6 |
| 443      | 11/15/2011 01:46:20 | 11.16  | 47.70           | 30.95        | 9.77            | 7.85 | 5.2               | 2.93            | 108.2 |
| 444      | 11/15/2011 02:01:20 | 11.10  | 47.77           | 31.00        | 9.75            | 7.84 | 5.3               | 2.99            | 107.8 |
| 445      | 11/15/2011 02:16:19 | 11.03  | 47.76           | 30.98        | 9.72            | 7.83 | 4.6               | 3.05            | 107.3 |
| 446      | 11/15/2011 02:31:20 | 10.95  | 47.93           | 31.10        | 9.70            | 7.83 | 4.8               | 3.09            | 107.1 |
| 447      | 11/15/2011 02:46:20 | 10.92  | 47.91           | 31.09        | 9.67            | 7.82 | 4.0               | 3.12            | 106.6 |
| 448      | 11/15/2011 03:01:20 | 10.89  | 48.01           | 31.16        | 9.66            | 7.82 | 4.1               | 3.16            | 106.5 |
| 449      | 11/15/2011 03:16:20 | 10.82  | 48.03           | 31.17        | 9.58            | 7.81 | 2.9               | 3.17            | 105.4 |
| 450      | 11/15/2011 03:31:20 | 10.90  | 48.01           | 31.16        | 9.54            | 7.81 | 3.4               | 3.17            | 105.1 |
| 451      | 11/15/2011 03:46:20 | 10.87  | 48.02           | 31.17        | 9.55            | 7.81 | 3.7               | 3.13            | 105.2 |
| 452      | 11/15/2011 04:01:20 | 10.93  | 47.96           | 31.12        | 9.56            | 7.82 | 3.9               | 3.13            | 105.4 |
| 453      | 11/15/2011 04:16:20 | 10.99  | 47.85           | 31.05        | 9.52            | 7.83 | 3.7               | 3.07            | 105.0 |
| 454      | 11/15/2011 04:31:20 | 11.02  | 47.66           | 30.91        | 9.46            | 7.83 | 4.1               | 3.01            | 104.4 |
| 455      | 11/15/2011 04:46:20 | 11.00  | 47.67           | 30.92        | 9.44            | 7.83 | 4.5               | 2.97            | 104.1 |
| 456      | 11/15/2011 05:01:20 | 10.93  | 47.62           | 30.88        | 9.37            | 7.82 | 4.2               | 2.90            | 103.2 |
| 457      | 11/15/2011 05:16:20 | 10.94  | 47.65           | 30.90        | 9.43            | 7.82 | 4.8               | 2.85            | 103.9 |
| 458      | 11/15/2011 05:31:20 | 10.93  | 47.68           | 30.92        | 9.42            | 7.83 | 4.0               | 2.79            | 103.7 |
| 459      | 11/15/2011 05:46:20 | 10.88  | 47.71           | 30.94        | 9.41            | 7.83 | 3.7               | 2.72            | 103.5 |
| 460      | 11/15/2011 06:01:20 | 10.89  | 47.64           | 30.89        | 9.40            | 7.83 | 3.8               | 2.68            | 103.4 |
| 461      | 11/15/2011 06:16:20 | 10.93  | 47.61           | 30.87        | 9.41            | 7.83 | 3.9               | 2.63            | 103.6 |
| 462      | 11/15/2011 06:31:20 | 10.90  | 47.60           | 30.86        | 9.37            | 7.84 | 4.0               | 2.59            | 103.1 |
| 463      | 11/15/2011 06:46:20 | 10.91  | 47.56           | 30.84        | 9.38            | 7.84 | 3.9               | 2.54            | 103.2 |
| 464      | 11/15/2011 07:01:20 | 10.94  | 47.53           | 30.82        | 9.39            | 7.84 | 3.9               | 2.50            | 103.4 |
| 465      | 11/15/2011 07:16:20 | 10.96  | 47.52           | 30.81        | 9.37            | 7.84 | 3.7               | 2.48            | 103.2 |
| 466      | 11/15/2011 07:31:20 | 11.00  | 47.50           | 30.80        | 9.38            | 7.85 | 3.5               | 2.47            | 103.4 |
| 467      | 11/15/2011 07:46:20 | 10.99  | 47.51           | 30.80        | 9.26            | 7.84 | 5.7               | 2.43            | 102.1 |
| 468      | 11/15/2011 08:01:20 | 11.02  | 47.47           | 30.78        | 9.37            | 7.85 | 3.4               | 2.45            | 103.4 |
| 469      | 11/15/2011 08:16:20 | 10.97  | 47.49           | 30.79        | 9.50            | 7.85 | 3.7               | 2.48            | 104.7 |
| 470      | 11/15/2011 08:31:20 | 11.04  | 47.49           | 30.79        | 9.57            | 7.85 | 3.6               | 2.48            | 105.6 |
| 471      | 11/15/2011 08:46:20 | 11.06  | 47.50           | 30.80        | 9.58            | 7.85 | 3.8               | 2.49            | 105.7 |
| 472      | 11/15/2011 09:01:20 | 11.08  | 47.50           | 30.80        | 9.65            | 7.85 | 3.4               | 2.55            | 106.6 |
| 473      | 11/15/2011 09:16:20 | 11.09  | 47.54           | 30.83        | 9.66            | 7.85 | 3.6               | 2.59            | 106.7 |
| 474      | 11/15/2011 09:31:20 | 11.04  | 47.50           | 30.80        | 9.61            | 7.85 | 3.9               | 2.64            | 106.0 |
| 475      | 11/15/2011 09:46:20 | 10.99  | 47.42           | 30.74        | 9.57            | 7.84 | 4.0               | 2.70            | 105.4 |
| 476      | 11/15/2011 10:01:20 | 11.02  | 47.54           | 30.83        | 9.60            | 7.84 | 3.8               | 2.76            | 105.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 477      | 11/15/2011 10:16:20 | 11.00  | 47.57           | 30.85        | 9.57            | 7.84 | 3.6               | 2.82            | 105.6 |
| 478      | 11/15/2011 10:31:20 | 10.99  | 47.63           | 30.89        | 9.55            | 7.83 | 3.6               | 2.88            | 105.2 |
| 479      | 11/15/2011 10:46:20 | 10.95  | 47.72           | 30.95        | 9.53            | 7.83 | 3.8               | 2.94            | 105.0 |
| 480      | 11/15/2011 11:01:20 | 10.92  | 47.82           | 31.03        | 9.62            | 7.82 | 3.7               | 3.00            | 106.0 |
| 481      | 11/15/2011 11:16:20 | 10.90  | 47.93           | 31.10        | 9.66            | 7.82 | 3.5               | 3.06            | 106.5 |
| 482      | 11/15/2011 11:31:20 | 10.88  | 47.93           | 31.10        | 9.68            | 7.82 | 3.5               | 3.12            | 106.6 |
| 483      | 11/15/2011 11:46:20 | 10.85  | 48.00           | 31.15        | 9.68            | 7.82 | 3.5               | 3.19            | 106.6 |
| 484      | 11/15/2011 12:01:20 | 10.85  | 47.98           | 31.13        | 9.71            | 7.81 | 3.4               | 3.25            | 106.9 |
| 485      | 11/15/2011 12:16:20 | 10.78  | 48.08           | 31.21        | 9.70            | 7.81 | 3.5               | 3.29            | 106.7 |
| 486      | 11/15/2011 12:31:20 | 10.72  | 48.14           | 31.24        | 9.68            | 7.80 | 3.4               | 3.36            | 106.4 |
| 487      | 11/15/2011 12:46:20 | 10.69  | 48.19           | 31.28        | 9.66            | 7.80 | 3.2               | 3.41            | 106.1 |
| 488      | 11/15/2011 13:01:20 | 10.67  | 48.22           | 31.29        | 9.64            | 7.80 | 3.6               | 3.45            | 105.9 |
| 489      | 11/15/2011 13:16:20 | 10.65  | 48.24           | 31.31        | 9.62            | 7.79 | 3.1               | 3.48            | 105.6 |
| 490      | 11/15/2011 13:31:20 | 10.62  | 48.28           | 31.34        | 9.58            | 7.79 | 2.9               | 3.49            | 105.1 |
| 491      | 11/15/2011 13:46:20 | 10.72  | 48.18           | 31.27        | 9.52            | 7.79 | 2.6               | 3.51            | 104.6 |
| 492      | 11/15/2011 14:01:20 | 10.65  | 48.20           | 31.28        | 9.49            | 7.78 | 2.6               | 3.52            | 104.2 |
| 493      | 11/15/2011 14:16:20 | 10.65  | 48.26           | 31.33        | 9.50            | 7.78 | 3.0               | 3.50            | 104.3 |
| 494      | 11/15/2011 14:31:20 | 10.65  | 48.22           | 31.30        | 9.52            | 7.79 | 2.9               | 3.47            | 104.5 |
| 495      | 11/15/2011 14:46:20 | 10.68  | 48.25           | 31.32        | 9.54            | 7.79 | 3.1               | 3.42            | 104.8 |
| 496      | 11/15/2011 15:01:20 | 10.99  | 48.04           | 31.19        | 10.02           | 7.83 | 3.2               | 3.34            | 110.6 |
| 497      | 11/15/2011 15:16:19 | 11.08  | 47.89           | 31.09        | 10.11           | 7.85 | 4.0               | 3.28            | 111.8 |
| 498      | 11/15/2011 15:31:20 | 11.11  | 48.01           | 31.17        | 10.14           | 7.85 | 3.4               | 3.21            | 112.2 |
| 499      | 11/15/2011 15:46:20 | 11.09  | 48.00           | 31.16        | 10.08           | 7.85 | 4.2               | 3.12            | 111.6 |
| 500      | 11/15/2011 16:01:20 | 11.14  | 47.90           | 31.09        | 10.10           | 7.85 | 4.2               | 3.03            | 111.9 |
| 501      | 11/15/2011 16:16:20 | 11.23  | 47.84           | 31.06        | 10.13           | 7.87 | 4.0               | 2.97            | 112.4 |
| 502      | 11/15/2011 16:31:20 | 11.27  | 47.73           | 30.97        | 10.18           | 7.87 | 4.2               | 2.88            | 113.0 |
| 503      | 11/15/2011 16:46:19 | 11.37  | 47.64           | 30.91        | 10.28           | 7.89 | 4.1               | 2.76            | 114.3 |
| 504      | 11/15/2011 17:01:19 | 11.38  | 47.56           | 30.86        | 10.27           | 7.89 | 4.3               | 2.68            | 114.1 |
| 505      | 11/15/2011 17:16:20 | 11.36  | 47.68           | 30.95        | 10.24           | 7.89 | 4.6               | 2.57            | 113.8 |
| 506      | 11/15/2011 17:31:20 | 11.26  | 47.76           | 31.00        | 9.96            | 7.86 | 4.4               | 2.46            | 110.5 |
| 507      | 11/15/2011 17:46:20 | 11.27  | 47.71           | 30.96        | 9.94            | 7.86 | 5.6               | 2.33            | 110.3 |
| 508      | 11/15/2011 18:01:20 | 11.28  | 47.70           | 30.95        | 9.90            | 7.86 | 5.3               | 2.22            | 109.9 |
| 509      | 11/15/2011 18:16:19 | 11.29  | 47.57           | 30.87        | 9.88            | 7.86 | 5.7               | 2.11            | 109.6 |
| 510      | 11/15/2011 18:31:19 | 11.31  | 47.55           | 30.85        | 9.91            | 7.87 | 5.4               | 1.98            | 110.0 |
| 511      | 11/15/2011 18:46:20 | 11.33  | 47.58           | 30.87        | 9.87            | 7.87 | 6.2               | 1.88            | 109.6 |
| 512      | 11/15/2011 19:01:20 | 11.36  | 47.51           | 30.83        | 9.90            | 7.88 | 5.7               | 1.77            | 109.9 |
| 513      | 11/15/2011 19:16:20 | 11.38  | 47.42           | 30.76        | 9.99            | 7.88 | 5.7               | 1.66            | 111.0 |
| 514      | 11/15/2011 19:31:19 | 11.39  | 47.35           | 30.71        | 9.98            | 7.88 | 6.2               | 1.56            | 110.9 |
| 515      | 11/15/2011 19:46:19 | 11.40  | 47.30           | 30.67        | 10.01           | 7.89 | 5.2               | 1.51            | 111.2 |
| 516      | 11/15/2011 20:01:20 | 11.40  | 47.40           | 30.75        | 9.96            | 7.89 | 5.3               | 1.41            | 110.7 |
| 517      | 11/15/2011 20:16:20 | 11.41  | 47.34           | 30.70        | 10.07           | 7.89 | 4.9               | 1.34            | 111.9 |
| 518      | 11/15/2011 20:31:20 | 11.41  | 47.30           | 30.67        | 10.07           | 7.90 | 4.6               | 1.32            | 111.9 |
| 519      | 11/15/2011 20:46:19 | 11.40  | 47.28           | 30.66        | 9.97            | 7.89 | 5.0               | 1.36            | 110.8 |
| 520      | 11/15/2011 21:01:19 | 11.39  | 47.14           | 30.56        | 10.12           | 7.90 | 4.1               | 1.30            | 112.4 |
| 521      | 11/15/2011 21:16:20 | 11.37  | 47.26           | 30.64        | 10.31           | 7.91 | 4.1               | 1.41            | 114.4 |
| 522      | 11/15/2011 21:31:20 | 11.38  | 47.27           | 30.65        | 10.29           | 7.91 | 4.0               | 1.47            | 114.2 |
| 523      | 11/15/2011 21:46:20 | 11.33  | 47.21           | 30.61        | 10.39           | 7.91 | 3.8               | 1.50            | 115.2 |
| 524      | 11/15/2011 22:01:20 | 11.33  | 47.23           | 30.62        | 10.40           | 7.91 | 3.7               | 1.58            | 115.3 |
| 525      | 11/15/2011 22:16:20 | 11.29  | 47.01           | 30.46        | 10.21           | 7.89 | 4.5               | 1.63            | 113.0 |
| 526      | 11/15/2011 22:31:20 | 11.32  | 47.04           | 30.49        | 10.20           | 7.89 | 4.3               | 1.71            | 113.0 |
| 527      | 11/15/2011 22:46:20 | 11.32  | 47.07           | 30.51        | 10.16           | 7.89 | 4.2               | 1.79            | 112.5 |
| 528      | 11/15/2011 23:01:20 | 11.29  | 46.92           | 30.39        | 10.07           | 7.87 | 4.5               | 1.88            | 111.4 |
| 529      | 11/15/2011 23:16:19 | 11.30  | 46.84           | 30.34        | 10.09           | 7.87 | 4.0               | 1.94            | 111.6 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 530      | 11/15/2011 23:31:19 | 11.34  | 47.11           | 30.54        | 10.10           | 7.88 | 4.2               | 2.01            | 112.0 |
| 531      | 11/15/2011 23:46:19 | 11.34  | 47.19           | 30.59        | 10.10           | 7.88 | 3.8               | 2.11            | 112.1 |
| 532      | 11/16/2011 00:01:20 | 11.35  | 47.28           | 30.66        | 10.10           | 7.88 | 4.0               | 2.18            | 112.1 |
| 533      | 11/16/2011 00:16:20 | 11.35  | 47.31           | 30.68        | 10.05           | 7.88 | 4.0               | 2.26            | 111.6 |
| 534      | 11/16/2011 00:31:20 | 11.35  | 47.36           | 30.72        | 10.02           | 7.87 | 3.9               | 2.34            | 111.3 |
| 535      | 11/16/2011 00:46:19 | 11.36  | 47.41           | 30.75        | 10.03           | 7.87 | 4.0               | 2.44            | 111.4 |
| 536      | 11/16/2011 01:01:19 | 11.36  | 47.41           | 30.75        | 10.04           | 7.87 | 4.2               | 2.52            | 111.5 |
| 537      | 11/16/2011 01:16:20 | 11.34  | 47.56           | 30.85        | 10.01           | 7.87 | 4.3               | 2.59            | 111.1 |
| 538      | 11/16/2011 01:31:20 | 11.31  | 47.59           | 30.88        | 9.96            | 7.86 | 4.2               | 2.66            | 110.6 |
| 539      | 11/16/2011 01:46:20 | 11.28  | 47.55           | 30.85        | 9.91            | 7.86 | 4.5               | 2.75            | 110.0 |
| 540      | 11/16/2011 02:01:20 | 11.25  | 47.66           | 30.93        | 9.86            | 7.85 | 4.2               | 2.80            | 109.4 |
| 541      | 11/16/2011 02:16:20 | 11.22  | 47.63           | 30.90        | 9.84            | 7.85 | 4.2               | 2.89            | 109.1 |
| 542      | 11/16/2011 02:31:20 | 11.16  | 47.75           | 30.98        | 9.81            | 7.84 | 4.6               | 2.95            | 108.7 |
| 543      | 11/16/2011 02:46:19 | 11.11  | 47.69           | 30.94        | 9.81            | 7.83 | 4.6               | 2.99            | 108.5 |
| 544      | 11/16/2011 03:01:20 | 11.05  | 47.84           | 31.05        | 9.78            | 7.82 | 4.2               | 3.04            | 108.1 |
| 545      | 11/16/2011 03:16:20 | 10.99  | 47.90           | 31.09        | 9.76            | 7.82 | 4.3               | 3.09            | 107.8 |
| 546      | 11/16/2011 03:31:19 | 10.94  | 47.94           | 31.11        | 9.76            | 7.81 | 3.8               | 3.15            | 107.7 |
| 547      | 11/16/2011 03:46:20 | 10.92  | 48.02           | 31.17        | 9.73            | 7.81 | 3.7               | 3.15            | 107.3 |
| 548      | 11/16/2011 04:01:20 | 10.86  | 48.06           | 31.19        | 9.68            | 7.80 | 3.4               | 3.16            | 106.7 |
| 549      | 11/16/2011 04:16:20 | 10.95  | 47.98           | 31.14        | 9.59            | 7.81 | 3.1               | 3.18            | 105.8 |
| 550      | 11/16/2011 04:31:20 | 10.88  | 48.07           | 31.20        | 9.59            | 7.80 | 4.8               | 3.16            | 105.7 |
| 551      | 11/16/2011 04:46:20 | 10.95  | 47.98           | 31.14        | 9.62            | 7.81 | 4.0               | 3.13            | 106.2 |
| 552      | 11/16/2011 05:01:20 | 11.05  | 47.81           | 31.02        | 9.56            | 7.81 | 3.8               | 3.10            | 105.7 |
| 553      | 11/16/2011 05:16:20 | 11.13  | 47.70           | 30.94        | 9.52            | 7.82 | 3.7               | 3.05            | 105.3 |
| 554      | 11/16/2011 05:31:19 | 11.13  | 47.59           | 30.87        | 9.56            | 7.82 | 3.5               | 2.99            | 105.7 |
| 555      | 11/16/2011 05:46:19 | 11.14  | 47.58           | 30.86        | 9.55            | 7.82 | 3.7               | 2.91            | 105.6 |
| 556      | 11/16/2011 06:01:19 | 11.13  | 47.59           | 30.87        | 9.47            | 7.82 | 3.9               | 2.87            | 104.7 |
| 557      | 11/16/2011 06:16:19 | 11.12  | 47.61           | 30.89        | 9.46            | 7.81 | 4.0               | 2.82            | 104.6 |
| 558      | 11/16/2011 06:31:19 | 11.14  | 47.60           | 30.88        | 9.45            | 7.82 | 3.6               | 2.77            | 104.5 |
| 559      | 11/16/2011 06:46:19 | 11.15  | 47.59           | 30.87        | 9.43            | 7.82 | 3.7               | 2.70            | 104.4 |
| 560      | 11/16/2011 07:01:19 | 11.16  | 47.59           | 30.87        | 9.41            | 7.82 | 3.7               | 2.67            | 104.2 |
| 561      | 11/16/2011 07:16:19 | 11.20  | 47.56           | 30.85        | 9.45            | 7.83 | 3.6               | 2.61            | 104.6 |
| 562      | 11/16/2011 07:31:20 | 11.23  | 47.55           | 30.85        | 9.39            | 7.83 | 3.8               | 2.58            | 104.1 |
| 563      | 11/16/2011 07:46:20 | 11.25  | 47.51           | 30.82        | 9.38            | 7.83 | 3.6               | 2.56            | 104.0 |
| 564      | 11/16/2011 08:01:19 | 11.26  | 47.46           | 30.78        | 9.40            | 7.83 | 3.7               | 2.51            | 104.2 |
| 565      | 11/16/2011 08:16:20 | 11.28  | 47.49           | 30.80        | 9.40            | 7.83 | 3.8               | 2.49            | 104.2 |
| 566      | 11/16/2011 08:31:19 | 11.29  | 47.44           | 30.77        | 9.40            | 7.84 | 3.5               | 2.47            | 104.3 |
| 567      | 11/16/2011 08:46:20 | 11.31  | 47.46           | 30.79        | 9.46            | 7.84 | 3.6               | 2.47            | 105.0 |
| 568      | 11/16/2011 09:01:19 | 11.31  | 47.43           | 30.76        | 9.41            | 7.84 | 3.7               | 2.47            | 104.4 |
| 569      | 11/16/2011 09:16:20 | 11.31  | 47.48           | 30.80        | 9.57            | 7.84 | 3.5               | 2.48            | 106.2 |
| 570      | 11/16/2011 09:31:20 | 11.31  | 47.44           | 30.77        | 9.60            | 7.84 | 3.5               | 2.50            | 106.5 |
| 571      | 11/16/2011 09:46:20 | 11.32  | 47.48           | 30.80        | 9.65            | 7.85 | 3.4               | 2.54            | 107.1 |
| 572      | 11/16/2011 10:01:20 | 11.33  | 47.50           | 30.81        | 9.69            | 7.85 | 3.4               | 2.57            | 107.6 |
| 573      | 11/16/2011 10:16:20 | 11.31  | 47.54           | 30.84        | 9.66            | 7.84 | 3.5               | 2.62            | 107.3 |
| 574      | 11/16/2011 10:31:20 | 11.32  | 47.44           | 30.77        | 9.64            | 7.84 | 3.6               | 2.68            | 106.9 |
| 575      | 11/16/2011 10:46:20 | 11.30  | 47.41           | 30.75        | 9.63            | 7.84 | 3.4               | 2.72            | 106.8 |
| 576      | 11/16/2011 11:01:19 | 11.26  | 47.49           | 30.81        | 9.64            | 7.84 | 3.5               | 2.76            | 106.9 |
| 577      | 11/16/2011 11:16:20 | 11.24  | 47.56           | 30.85        | 9.63            | 7.83 | 3.2               | 2.83            | 106.8 |
| 578      | 11/16/2011 11:31:20 | 11.20  | 47.65           | 30.92        | 9.59            | 7.82 | 3.5               | 2.88            | 106.2 |
| 579      | 11/16/2011 11:46:20 | 11.13  | 47.74           | 30.98        | 9.62            | 7.82 | 3.5               | 2.93            | 106.4 |
| 580      | 11/16/2011 12:01:20 | 11.08  | 47.77           | 30.99        | 9.67            | 7.82 | 3.3               | 2.98            | 106.9 |
| 581      | 11/16/2011 12:16:20 | 11.04  | 47.88           | 31.08        | 9.70            | 7.81 | 3.1               | 3.04            | 107.2 |
| 582      | 11/16/2011 12:31:20 | 11.02  | 47.91           | 31.09        | 9.72            | 7.81 | 3.2               | 3.09            | 107.4 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 583      | 11/16/2011 12:46:19 | 10.99  | 47.94           | 31.11        | 9.73            | 7.81 | 3.3               | 3.14            | 107.5 |
| 584      | 11/16/2011 13:01:20 | 10.97  | 48.02           | 31.17        | 9.74            | 7.81 | 3.0               | 3.17            | 107.6 |
| 585      | 11/16/2011 13:16:20 | 10.97  | 47.88           | 31.07        | 9.75            | 7.81 | 2.9               | 3.24            | 107.6 |
| 586      | 11/16/2011 13:31:20 | 10.93  | 48.07           | 31.21        | 9.74            | 7.80 | 2.9               | 3.28            | 107.5 |
| 587      | 11/16/2011 13:46:20 | 10.88  | 48.12           | 31.24        | 9.71            | 7.79 | 2.9               | 3.30            | 107.1 |
| 588      | 11/16/2011 14:01:20 | 10.85  | 48.15           | 31.25        | 9.70            | 7.79 | 3.0               | 3.36            | 106.9 |
| 589      | 11/16/2011 14:16:20 | 10.85  | 48.17           | 31.27        | 9.67            | 7.79 | 2.7               | 3.37            | 106.6 |
| 590      | 11/16/2011 14:31:20 | 10.84  | 48.13           | 31.24        | 9.48            | 7.79 | 2.3               | 3.38            | 104.4 |
| 591      | 11/16/2011 14:46:20 | 10.86  | 48.13           | 31.24        | 9.55            | 7.78 | 2.5               | 3.38            | 105.3 |
| 592      | 11/16/2011 15:01:20 | 10.86  | 48.16           | 31.26        | 9.55            | 7.78 | 2.6               | 3.38            | 105.2 |
| 593      | 11/16/2011 15:16:20 | 10.87  | 48.15           | 31.26        | 9.59            | 7.78 | 2.6               | 3.35            | 105.7 |
| 594      | 11/16/2011 15:31:20 | 10.89  | 48.14           | 31.26        | 9.58            | 7.79 | 2.6               | 3.31            | 105.7 |
| 595      | 11/16/2011 15:46:20 | 10.96  | 48.04           | 31.19        | 9.62            | 7.79 | 2.9               | 3.26            | 106.2 |
| 596      | 11/16/2011 16:01:20 | 11.15  | 47.95           | 31.13        | 9.89            | 7.82 | 3.5               | 3.20            | 109.5 |
| 597      | 11/16/2011 16:16:20 | 11.22  | 47.87           | 31.08        | 9.97            | 7.84 | 3.3               | 3.13            | 110.6 |
| 598      | 11/16/2011 16:31:19 | 11.36  | 47.74           | 30.99        | 10.09           | 7.85 | 3.4               | 3.04            | 112.3 |
| 599      | 11/16/2011 16:46:20 | 11.33  | 47.87           | 31.08        | 10.05           | 7.85 | 3.4               | 2.97            | 111.7 |
| 600      | 11/16/2011 17:01:20 | 11.31  | 47.77           | 31.00        | 10.00           | 7.85 | 3.7               | 2.88            | 111.1 |
| 601      | 11/16/2011 17:16:20 | 11.46  | 47.69           | 30.96        | 10.04           | 7.86 | 3.9               | 2.79            | 111.8 |
| 602      | 11/16/2011 17:31:20 | 11.53  | 47.62           | 30.91        | 10.06           | 7.87 | 4.2               | 2.71            | 112.3 |
| 603      | 11/16/2011 17:46:20 | 11.59  | 47.56           | 30.87        | 10.07           | 7.88 | 4.5               | 2.60            | 112.4 |
| 604      | 11/16/2011 18:01:20 | 11.59  | 47.57           | 30.87        | 10.04           | 7.88 | 4.2               | 2.51            | 112.1 |
| 605      | 11/16/2011 18:16:20 | 11.43  | 47.64           | 30.92        | 9.80            | 7.85 | 4.3               | 2.42            | 109.1 |
| 606      | 11/16/2011 18:31:19 | 11.43  | 47.49           | 30.81        | 9.75            | 7.85 | 5.1               | 2.30            | 108.5 |
| 607      | 11/16/2011 18:46:19 | 11.44  | 47.56           | 30.86        | 9.77            | 7.85 | 5.7               | 2.19            | 108.7 |
| 608      | 11/16/2011 19:01:19 | 11.46  | 47.43           | 30.77        | 9.77            | 7.86 | 5.4               | 2.09            | 108.7 |
| 609      | 11/16/2011 19:16:19 | 11.48  | 47.39           | 30.74        | 9.76            | 7.86 | 5.1               | 1.98            | 108.6 |
| 610      | 11/16/2011 19:31:20 | 11.51  | 47.47           | 30.80        | 9.75            | 7.86 | 4.9               | 1.86            | 108.7 |
| 611      | 11/16/2011 19:46:20 | 11.54  | 47.42           | 30.77        | 9.81            | 7.87 | 5.3               | 1.76            | 109.4 |
| 612      | 11/16/2011 20:01:20 | 11.57  | 47.39           | 30.75        | 9.80            | 7.87 | 5.1               | 1.69            | 109.3 |
| 613      | 11/16/2011 20:16:19 | 11.57  | 47.26           | 30.66        | 9.80            | 7.87 | 5.0               | 1.59            | 109.3 |
| 614      | 11/16/2011 20:31:19 | 11.60  | 47.30           | 30.68        | 9.91            | 7.88 | 4.6               | 1.53            | 110.6 |
| 615      | 11/16/2011 20:46:19 | 11.63  | 47.19           | 30.61        | 9.92            | 7.88 | 4.5               | 1.48            | 110.7 |
| 616      | 11/16/2011 21:01:19 | 11.64  | 47.25           | 30.65        | 9.93            | 7.88 | 4.2               | 1.44            | 110.8 |
| 617      | 11/16/2011 21:16:20 | 11.66  | 47.22           | 30.63        | 9.99            | 7.89 | 4.0               | 1.43            | 111.6 |
| 618      | 11/16/2011 21:31:20 | 11.64  | 47.23           | 30.63        | 9.98            | 7.88 | 4.3               | 1.44            | 111.4 |
| 619      | 11/16/2011 21:46:20 | 11.69  | 47.14           | 30.57        | 10.18           | 7.90 | 3.7               | 1.45            | 113.7 |
| 620      | 11/16/2011 22:01:19 | 11.67  | 47.12           | 30.56        | 10.17           | 7.90 | 3.6               | 1.50            | 113.5 |
| 621      | 11/16/2011 22:16:19 | 11.67  | 47.16           | 30.59        | 10.17           | 7.89 | 3.5               | 1.54            | 113.6 |
| 622      | 11/16/2011 22:31:20 | 11.66  | 47.16           | 30.59        | 10.18           | 7.89 | 3.6               | 1.60            | 113.6 |
| 623      | 11/16/2011 22:46:20 | 11.65  | 47.06           | 30.51        | 10.09           | 7.88 | 3.9               | 1.65            | 112.5 |
| 624      | 11/16/2011 23:01:20 | 11.65  | 47.03           | 30.49        | 10.04           | 7.88 | 3.7               | 1.70            | 112.0 |
| 625      | 11/16/2011 23:16:19 | 11.65  | 47.07           | 30.52        | 10.05           | 7.88 | 3.7               | 1.77            | 112.2 |
| 626      | 11/16/2011 23:31:19 | 11.65  | 47.00           | 30.47        | 10.02           | 7.87 | 3.8               | 1.83            | 111.8 |
| 627      | 11/16/2011 23:46:19 | 11.65  | 46.90           | 30.39        | 9.98            | 7.87 | 3.8               | 1.88            | 111.3 |
| 628      | 11/17/2011 00:01:19 | 11.64  | 46.89           | 30.39        | 9.94            | 7.87 | 3.7               | 1.96            | 110.8 |
| 629      | 11/17/2011 00:16:20 | 11.63  | 46.92           | 30.41        | 9.92            | 7.86 | 3.8               | 2.04            | 110.5 |
| 630      | 11/17/2011 00:31:20 | 11.61  | 47.01           | 30.47        | 9.90            | 7.86 | 3.7               | 2.11            | 110.3 |
| 631      | 11/17/2011 00:46:19 | 11.59  | 46.98           | 30.45        | 9.88            | 7.86 | 3.8               | 2.20            | 110.0 |
| 632      | 11/17/2011 01:01:20 | 11.55  | 47.32           | 30.69        | 9.87            | 7.86 | 3.7               | 2.28            | 110.0 |
| 633      | 11/17/2011 01:16:20 | 11.53  | 47.35           | 30.72        | 9.88            | 7.86 | 3.7               | 2.36            | 110.1 |
| 634      | 11/17/2011 01:31:20 | 11.51  | 47.41           | 30.76        | 9.87            | 7.86 | 3.7               | 2.45            | 110.0 |
| 635      | 11/17/2011 01:46:20 | 11.50  | 47.43           | 30.77        | 9.87            | 7.86 | 3.8               | 2.52            | 109.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 636      | 11/17/2011 02:01:20 | 11.48  | 47.52           | 30.84        | 9.85            | 7.85 | 3.8               | 2.60            | 109.8 |
| 637      | 11/17/2011 02:16:20 | 11.45  | 47.58           | 30.88        | 9.83            | 7.85 | 4.0               | 2.67            | 109.5 |
| 638      | 11/17/2011 02:31:20 | 11.41  | 47.59           | 30.88        | 9.81            | 7.84 | 3.9               | 2.75            | 109.1 |
| 639      | 11/17/2011 02:46:20 | 11.37  | 47.65           | 30.92        | 9.77            | 7.84 | 4.6               | 2.82            | 108.6 |
| 640      | 11/17/2011 03:01:20 | 11.32  | 47.71           | 30.96        | 9.73            | 7.83 | 4.1               | 2.88            | 108.1 |
| 641      | 11/17/2011 03:16:20 | 11.23  | 47.64           | 30.91        | 9.73            | 7.82 | 4.6               | 2.95            | 107.9 |
| 642      | 11/17/2011 03:31:20 | 11.19  | 47.81           | 31.03        | 9.71            | 7.81 | 4.3               | 3.00            | 107.6 |
| 643      | 11/17/2011 03:46:20 | 11.13  | 47.82           | 31.03        | 9.69            | 7.81 | 4.5               | 3.06            | 107.2 |
| 644      | 11/17/2011 04:01:20 | 11.07  | 47.93           | 31.11        | 9.65            | 7.80 | 3.8               | 3.10            | 106.8 |
| 645      | 11/17/2011 04:16:20 | 11.06  | 47.92           | 31.10        | 9.62            | 7.80 | 4.0               | 3.15            | 106.3 |
| 646      | 11/17/2011 04:31:19 | 11.01  | 47.97           | 31.14        | 9.60            | 7.79 | 3.5               | 3.18            | 106.0 |
| 647      | 11/17/2011 04:46:20 | 11.00  | 47.94           | 31.11        | 9.55            | 7.79 | 3.3               | 3.20            | 105.5 |
| 648      | 11/17/2011 05:01:20 | 11.07  | 47.92           | 31.11        | 9.44            | 7.79 | 3.1               | 3.22            | 104.4 |
| 649      | 11/17/2011 05:16:20 | 11.02  | 47.97           | 31.14        | 9.39            | 7.78 | 3.5               | 3.20            | 103.8 |
| 650      | 11/17/2011 05:31:20 | 11.02  | 47.95           | 31.12        | 9.46            | 7.79 | 3.2               | 3.18            | 104.5 |
| 651      | 11/17/2011 05:46:20 | 11.13  | 47.78           | 31.00        | 9.43            | 7.79 | 3.3               | 3.15            | 104.4 |
| 652      | 11/17/2011 06:01:20 | 11.21  | 47.70           | 30.95        | 9.41            | 7.80 | 3.4               | 3.10            | 104.3 |
| 653      | 11/17/2011 06:16:20 | 11.17  | 47.68           | 30.93        | 9.50            | 7.80 | 3.7               | 3.04            | 105.1 |
| 654      | 11/17/2011 06:31:20 | 11.19  | 47.71           | 30.96        | 9.44            | 7.80 | 3.8               | 2.97            | 104.6 |
| 655      | 11/17/2011 06:46:19 | 11.23  | 47.57           | 30.86        | 9.38            | 7.80 | 3.7               | 2.92            | 103.9 |
| 656      | 11/17/2011 07:01:20 | 11.21  | 47.69           | 30.94        | 9.36            | 7.79 | 4.1               | 2.85            | 103.7 |
| 657      | 11/17/2011 07:16:20 | 11.23  | 47.64           | 30.91        | 9.31            | 7.79 | 3.5               | 2.78            | 103.2 |
| 658      | 11/17/2011 07:31:20 | 11.23  | 47.69           | 30.95        | 9.28            | 7.79 | 3.5               | 2.74            | 102.9 |
| 659      | 11/17/2011 07:46:20 | 11.30  | 47.60           | 30.89        | 9.26            | 7.80 | 3.4               | 2.69            | 102.8 |
| 660      | 11/17/2011 08:01:20 | 11.33  | 47.56           | 30.86        | 9.27            | 7.80 | 3.7               | 2.64            | 103.0 |
| 661      | 11/17/2011 08:16:19 | 11.35  | 47.47           | 30.79        | 9.22            | 7.80 | 3.5               | 2.59            | 102.4 |
| 662      | 11/17/2011 08:31:20 | 11.40  | 47.51           | 30.82        | 9.29            | 7.81 | 3.5               | 2.54            | 103.3 |
| 663      | 11/17/2011 08:46:20 | 11.43  | 47.46           | 30.79        | 9.25            | 7.81 | 3.5               | 2.52            | 102.8 |
| 664      | 11/17/2011 09:01:20 | 11.44  | 47.47           | 30.80        | 9.24            | 7.81 | 3.5               | 2.48            | 102.8 |
| 665      | 11/17/2011 09:16:20 | 11.46  | 47.46           | 30.79        | 9.28            | 7.82 | 3.8               | 2.45            | 103.3 |
| 666      | 11/17/2011 09:31:20 | 11.47  | 47.40           | 30.75        | 9.33            | 7.82 | 3.4               | 2.42            | 103.9 |
| 667      | 11/17/2011 09:46:20 | 11.49  | 47.38           | 30.73        | 9.38            | 7.82 | 3.0               | 2.41            | 104.4 |
| 668      | 11/17/2011 10:01:20 | 11.49  | 47.35           | 30.72        | 9.29            | 7.82 | 3.4               | 2.41            | 103.4 |
| 669      | 11/17/2011 10:16:20 | 11.47  | 47.30           | 30.68        | 9.33            | 7.81 | 3.2               | 2.41            | 103.8 |
| 670      | 11/17/2011 10:31:20 | 11.49  | 47.32           | 30.69        | 9.45            | 7.82 | 3.2               | 2.43            | 105.2 |
| 671      | 11/17/2011 10:46:19 | 11.49  | 47.36           | 30.72        | 9.45            | 7.82 | 3.3               | 2.45            | 105.3 |
| 672      | 11/17/2011 11:01:19 | 11.49  | 47.35           | 30.72        | 9.53            | 7.83 | 3.3               | 2.49            | 106.1 |
| 673      | 11/17/2011 11:16:19 | 11.48  | 47.39           | 30.74        | 9.54            | 7.83 | 3.3               | 2.52            | 106.2 |
| 674      | 11/17/2011 11:31:19 | 11.46  | 47.41           | 30.75        | 9.49            | 7.82 | 3.5               | 2.56            | 105.6 |
| 675      | 11/17/2011 11:46:19 | 11.48  | 47.26           | 30.65        | 9.46            | 7.82 | 3.7               | 2.62            | 105.3 |
| 676      | 11/17/2011 12:01:20 | 11.46  | 47.33           | 30.70        | 9.47            | 7.82 | 3.5               | 2.66            | 105.3 |
| 677      | 11/17/2011 12:16:20 | 11.41  | 47.47           | 30.79        | 9.45            | 7.81 | 3.7               | 2.71            | 105.1 |
| 678      | 11/17/2011 12:31:20 | 11.40  | 47.50           | 30.82        | 9.46            | 7.81 | 3.4               | 2.76            | 105.2 |
| 679      | 11/17/2011 12:46:20 | 11.37  | 47.55           | 30.85        | 9.46            | 7.81 | 3.1               | 2.81            | 105.2 |
| 680      | 11/17/2011 13:01:20 | 11.36  | 47.58           | 30.87        | 9.47            | 7.81 | 3.3               | 2.86            | 105.3 |
| 681      | 11/17/2011 13:16:20 | 11.38  | 47.59           | 30.88        | 9.52            | 7.81 | 3.2               | 2.90            | 105.8 |
| 682      | 11/17/2011 13:31:20 | 11.33  | 47.65           | 30.92        | 9.54            | 7.81 | 3.0               | 2.95            | 106.0 |
| 683      | 11/17/2011 13:46:20 | 11.32  | 47.71           | 30.96        | 9.58            | 7.81 | 2.8               | 3.00            | 106.4 |
| 684      | 11/17/2011 14:01:20 | 11.26  | 47.75           | 30.99        | 9.57            | 7.80 | 2.8               | 3.04            | 106.2 |
| 685      | 11/17/2011 14:16:19 | 11.22  | 47.76           | 30.99        | 9.54            | 7.80 | 2.6               | 3.10            | 105.8 |
| 686      | 11/17/2011 14:31:20 | 11.16  | 47.79           | 31.01        | 9.57            | 7.79 | 2.6               | 3.13            | 106.0 |
| 687      | 11/17/2011 14:46:20 | 11.13  | 47.89           | 31.08        | 9.53            | 7.79 | 2.4               | 3.16            | 105.5 |
| 688      | 11/17/2011 15:01:20 | 11.11  | 47.94           | 31.12        | 9.50            | 7.79 | 2.4               | 3.21            | 105.2 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 689      | 11/17/2011 15:16:20 | 11.09  | 47.95           | 31.12        | 9.37            | 7.78 | 2.3               | 3.23            | 103.7 |
| 690      | 11/17/2011 15:31:20 | 11.05  | 47.97           | 31.14        | 9.34            | 7.78 | 2.6               | 3.25            | 103.3 |
| 691      | 11/17/2011 15:46:20 | 11.09  | 47.91           | 31.10        | 9.20            | 7.78 | 2.3               | 3.25            | 101.8 |
| 692      | 11/17/2011 16:01:20 | 11.07  | 47.91           | 31.10        | 9.25            | 7.77 | 2.4               | 3.24            | 102.3 |
| 693      | 11/17/2011 16:16:20 | 11.06  | 48.00           | 31.16        | 9.27            | 7.77 | 2.4               | 3.23            | 102.6 |
| 694      | 11/17/2011 16:31:20 | 11.07  | 47.99           | 31.15        | 9.35            | 7.77 | 2.7               | 3.18            | 103.4 |
| 695      | 11/17/2011 16:46:20 | 11.09  | 47.98           | 31.15        | 9.36            | 7.78 | 2.7               | 3.16            | 103.6 |
| 696      | 11/17/2011 17:01:20 | 11.15  | 47.90           | 31.09        | 9.38            | 7.78 | 2.8               | 3.11            | 104.0 |
| 697      | 11/17/2011 17:16:19 | 11.29  | 47.72           | 30.97        | 9.53            | 7.80 | 3.3               | 3.03            | 105.9 |
| 698      | 11/17/2011 17:31:20 | 11.41  | 47.73           | 30.98        | 9.68            | 7.82 | 4.8               | 2.96            | 107.8 |
| 699      | 11/17/2011 17:46:20 | 11.50  | 47.61           | 30.90        | 9.70            | 7.83 | 3.9               | 2.91            | 108.2 |
| 700      | 11/17/2011 18:01:20 | 11.30  | 47.76           | 31.00        | 9.45            | 7.81 | 4.1               | 2.80            | 105.0 |
| 701      | 11/17/2011 18:16:20 | 11.29  | 47.74           | 30.99        | 9.41            | 7.80 | 3.8               | 2.73            | 104.5 |
| 702      | 11/17/2011 18:31:20 | 11.44  | 47.51           | 30.82        | 9.51            | 7.82 | 3.7               | 2.66            | 105.8 |
| 703      | 11/17/2011 18:46:19 | 11.38  | 47.62           | 30.90        | 9.42            | 7.81 | 3.7               | 2.55            | 104.8 |
| 704      | 11/17/2011 19:01:20 | 11.37  | 47.58           | 30.88        | 9.37            | 7.81 | 3.5               | 2.47            | 104.2 |
| 705      | 11/17/2011 19:16:20 | 11.55  | 47.45           | 30.79        | 9.54            | 7.83 | 4.2               | 2.37            | 106.4 |
| 706      | 11/17/2011 19:31:20 | 11.48  | 47.49           | 30.82        | 9.44            | 7.82 | 4.3               | 2.27            | 105.2 |
| 707      | 11/17/2011 19:46:20 | 11.54  | 47.40           | 30.75        | 9.49            | 7.83 | 4.5               | 2.18            | 105.8 |
| 708      | 11/17/2011 20:01:20 | 11.51  | 47.40           | 30.75        | 9.40            | 7.83 | 4.7               | 2.09            | 104.7 |
| 709      | 11/17/2011 20:16:20 | 11.54  | 47.37           | 30.73        | 9.41            | 7.83 | 4.5               | 2.00            | 104.9 |
| 710      | 11/17/2011 20:31:20 | 11.61  | 47.28           | 30.67        | 9.44            | 7.84 | 4.9               | 1.90            | 105.4 |
| 711      | 11/17/2011 20:46:20 | 11.65  | 47.23           | 30.64        | 9.50            | 7.84 | 4.5               | 1.82            | 106.1 |
| 712      | 11/17/2011 21:01:19 | 11.67  | 47.11           | 30.55        | 9.51            | 7.85 | 4.3               | 1.74            | 106.2 |
| 713      | 11/17/2011 21:16:20 | 11.71  | 47.10           | 30.54        | 9.59            | 7.85 | 4.1               | 1.69            | 107.2 |
| 714      | 11/17/2011 21:31:20 | 11.76  | 46.98           | 30.46        | 9.59            | 7.86 | 4.0               | 1.65            | 107.2 |
| 715      | 11/17/2011 21:46:20 | 11.76  | 46.98           | 30.46        | 9.62            | 7.86 | 3.7               | 1.59            | 107.5 |
| 716      | 11/17/2011 22:01:20 | 11.78  | 46.99           | 30.47        | 9.62            | 7.86 | 3.7               | 1.57            | 107.6 |
| 717      | 11/17/2011 22:16:20 | 11.76  | 46.98           | 30.46        | 9.62            | 7.87 | 3.7               | 1.56            | 107.6 |
| 718      | 11/17/2011 22:31:20 | 11.73  | 46.99           | 30.46        | 9.62            | 7.86 | 3.8               | 1.57            | 107.5 |
| 719      | 11/17/2011 22:46:19 | 11.72  | 46.95           | 30.44        | 9.68            | 7.86 | 3.8               | 1.58            | 108.1 |
| 720      | 11/17/2011 23:01:20 | 11.72  | 47.03           | 30.50        | 9.69            | 7.86 | 3.5               | 1.61            | 108.3 |
| 721      | 11/17/2011 23:16:20 | 11.73  | 47.00           | 30.47        | 9.73            | 7.86 | 3.7               | 1.68            | 108.7 |
| 722      | 11/17/2011 23:31:20 | 11.74  | 47.00           | 30.47        | 9.75            | 7.86 | 3.8               | 1.72            | 108.9 |
| 723      | 11/17/2011 23:46:20 | 11.74  | 46.89           | 30.39        | 9.67            | 7.85 | 4.0               | 1.76            | 108.0 |
| 724      | 11/18/2011 00:01:20 | 11.75  | 46.92           | 30.42        | 9.67            | 7.85 | 3.8               | 1.84            | 108.1 |
| 725      | 11/18/2011 00:16:20 | 11.75  | 46.93           | 30.42        | 9.66            | 7.85 | 3.8               | 1.91            | 108.0 |
| 726      | 11/18/2011 00:31:20 | 11.75  | 46.85           | 30.36        | 9.61            | 7.84 | 4.1               | 1.95            | 107.3 |
| 727      | 11/18/2011 00:46:20 | 11.75  | 46.85           | 30.36        | 9.59            | 7.84 | 3.8               | 2.05            | 107.1 |
| 728      | 11/18/2011 01:01:20 | 11.68  | 46.80           | 30.33        | 9.58            | 7.84 | 3.8               | 2.12            | 106.9 |
| 729      | 11/18/2011 01:16:20 | 11.68  | 46.89           | 30.39        | 9.57            | 7.84 | 3.7               | 2.19            | 106.8 |
| 730      | 11/18/2011 01:31:20 | 11.68  | 47.13           | 30.56        | 9.55            | 7.84 | 3.8               | 2.26            | 106.7 |
| 731      | 11/18/2011 01:46:20 | 11.62  | 47.20           | 30.61        | 9.53            | 7.83 | 3.7               | 2.34            | 106.3 |
| 732      | 11/18/2011 02:01:20 | 11.58  | 47.28           | 30.67        | 9.52            | 7.83 | 3.9               | 2.41            | 106.1 |
| 733      | 11/18/2011 02:16:20 | 11.55  | 47.32           | 30.69        | 9.53            | 7.83 | 4.3               | 2.53            | 106.2 |
| 734      | 11/18/2011 02:31:20 | 11.52  | 47.38           | 30.74        | 9.53            | 7.83 | 4.6               | 2.60            | 106.2 |
| 735      | 11/18/2011 02:46:20 | 11.47  | 47.44           | 30.78        | 9.52            | 7.83 | 4.5               | 2.67            | 106.0 |
| 736      | 11/18/2011 03:01:20 | 11.40  | 47.51           | 30.83        | 9.50            | 7.82 | 4.3               | 2.76            | 105.7 |
| 737      | 11/18/2011 03:16:20 | 11.37  | 47.51           | 30.82        | 9.48            | 7.81 | 4.1               | 2.83            | 105.4 |
| 738      | 11/18/2011 03:31:20 | 11.31  | 47.61           | 30.89        | 9.45            | 7.81 | 4.7               | 2.89            | 104.9 |
| 739      | 11/18/2011 03:46:20 | 11.21  | 47.66           | 30.92        | 9.43            | 7.80 | 4.7               | 2.98            | 104.5 |
| 740      | 11/18/2011 04:01:20 | 11.14  | 47.67           | 30.93        | 9.41            | 7.79 | 5.2               | 3.03            | 104.2 |
| 741      | 11/18/2011 04:16:20 | 11.04  | 47.83           | 31.04        | 9.39            | 7.78 | 5.1               | 3.08            | 103.7 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 742      | 11/18/2011 04:31:20 | 10.97  | 47.91           | 31.09        | 9.39            | 7.77 | 4.9               | 3.15            | 103.6 |
| 743      | 11/18/2011 04:46:20 | 10.92  | 47.93           | 31.10        | 9.40            | 7.77 | 4.2               | 3.22            | 103.7 |
| 744      | 11/18/2011 05:01:20 | 10.85  | 47.99           | 31.14        | 9.43            | 7.77 | 4.0               | 3.25            | 103.8 |
| 745      | 11/18/2011 05:16:20 | 10.80  | 47.94           | 31.10        | 9.46            | 7.76 | 3.4               | 3.30            | 104.0 |
| 746      | 11/18/2011 05:31:20 | 10.81  | 47.98           | 31.14        | 9.43            | 7.76 | 3.4               | 3.30            | 103.7 |
| 747      | 11/18/2011 05:46:20 | 10.87  | 47.89           | 31.07        | 9.21            | 7.76 | 3.0               | 3.32            | 101.5 |
| 748      | 11/18/2011 06:01:20 | 10.80  | 47.98           | 31.13        | 9.32            | 7.76 | 3.1               | 3.35            | 102.5 |
| 749      | 11/18/2011 06:16:20 | 10.77  | 48.05           | 31.18        | 9.34            | 7.76 | 3.0               | 3.34            | 102.7 |
| 750      | 11/18/2011 06:31:20 | 10.80  | 48.06           | 31.19        | 9.34            | 7.76 | 3.4               | 3.26            | 102.7 |
| 751      | 11/18/2011 06:46:20 | 10.87  | 47.91           | 31.09        | 9.29            | 7.76 | 3.5               | 3.23            | 102.3 |
| 752      | 11/18/2011 07:01:20 | 10.95  | 47.78           | 30.99        | 9.25            | 7.77 | 3.5               | 3.20            | 102.0 |
| 753      | 11/18/2011 07:16:20 | 10.98  | 47.77           | 30.99        | 9.23            | 7.77 | 4.0               | 3.12            | 101.8 |
| 754      | 11/18/2011 07:31:20 | 11.00  | 47.64           | 30.90        | 9.15            | 7.77 | 3.9               | 3.04            | 100.9 |
| 755      | 11/18/2011 07:46:19 | 10.97  | 47.49           | 30.79        | 9.15            | 7.77 | 5.2               | 2.99            | 100.8 |
| 756      | 11/18/2011 08:01:20 | 10.92  | 47.51           | 30.80        | 9.08            | 7.77 | 3.7               | 2.92            | 99.9  |
| 757      | 11/18/2011 08:16:20 | 10.97  | 47.53           | 30.82        | 9.11            | 7.77 | 3.8               | 2.84            | 100.4 |
| 758      | 11/18/2011 08:31:20 | 11.03  | 47.46           | 30.77        | 9.08            | 7.78 | 3.7               | 2.83            | 100.2 |
| 759      | 11/18/2011 08:46:20 | 10.99  | 47.47           | 30.78        | 9.08            | 7.78 | 3.8               | 2.76            | 100.1 |
| 760      | 11/18/2011 09:01:20 | 11.15  | 47.45           | 30.77        | 9.12            | 7.79 | 3.7               | 2.74            | 100.8 |
| 761      | 11/18/2011 09:16:20 | 11.11  | 47.41           | 30.74        | 9.08            | 7.79 | 4.6               | 2.69            | 100.3 |
| 762      | 11/18/2011 09:31:19 | 11.14  | 47.27           | 30.64        | 9.11            | 7.79 | 4.5               | 2.61            | 100.6 |
| 763      | 11/18/2011 09:46:20 | 11.14  | 47.36           | 30.70        | 9.14            | 7.79 | 4.5               | 2.57            | 101.0 |
| 764      | 11/18/2011 10:01:19 | 11.19  | 47.27           | 30.64        | 9.16            | 7.80 | 3.4               | 2.51            | 101.2 |
| 765      | 11/18/2011 10:16:20 | 11.19  | 47.35           | 30.70        | 9.23            | 7.80 | 3.3               | 2.49            | 102.1 |
| 766      | 11/18/2011 10:31:20 | 11.22  | 47.26           | 30.64        | 9.29            | 7.81 | 3.4               | 2.44            | 102.8 |
| 767      | 11/18/2011 10:46:20 | 11.29  | 47.21           | 30.61        | 9.27            | 7.81 | 3.3               | 2.39            | 102.7 |
| 768      | 11/18/2011 11:01:20 | 11.32  | 47.02           | 30.47        | 9.26            | 7.82 | 3.3               | 2.41            | 102.6 |
| 769      | 11/18/2011 11:16:20 | 11.30  | 47.10           | 30.52        | 9.22            | 7.81 | 3.2               | 2.35            | 102.1 |
| 770      | 11/18/2011 11:31:20 | 11.30  | 46.96           | 30.42        | 9.21            | 7.81 | 3.1               | 2.30            | 101.9 |
| 771      | 11/18/2011 11:46:20 | 11.30  | 47.07           | 30.50        | 9.31            | 7.81 | 3.2               | 2.35            | 103.1 |
| 772      | 11/18/2011 12:01:20 | 11.31  | 47.22           | 30.61        | 9.26            | 7.81 | 2.9               | 2.37            | 102.6 |
| 773      | 11/18/2011 12:16:20 | 11.29  | 47.22           | 30.61        | 9.26            | 7.81 | 3.1               | 2.37            | 102.6 |
| 774      | 11/18/2011 12:31:20 | 11.26  | 47.23           | 30.62        | 9.27            | 7.81 | 3.1               | 2.41            | 102.7 |
| 775      | 11/18/2011 12:46:20 | 11.24  | 47.26           | 30.64        | 9.29            | 7.80 | 3.7               | 2.46            | 102.8 |
| 776      | 11/18/2011 13:01:20 | 11.25  | 47.28           | 30.65        | 9.27            | 7.80 | 3.3               | 2.50            | 102.6 |
| 777      | 11/18/2011 13:16:20 | 11.29  | 47.04           | 30.48        | 9.27            | 7.80 | 4.9               | 2.57            | 102.7 |
| 778      | 11/18/2011 13:31:20 | 11.24  | 47.25           | 30.63        | 9.28            | 7.80 | 4.0               | 2.61            | 102.7 |
| 779      | 11/18/2011 13:46:20 | 11.20  | 47.31           | 30.67        | 9.27            | 7.79 | 3.6               | 2.67            | 102.5 |
| 780      | 11/18/2011 14:01:20 | 11.18  | 47.36           | 30.70        | 9.25            | 7.79 | 3.5               | 2.72            | 102.3 |
| 781      | 11/18/2011 14:16:20 | 11.17  | 47.28           | 30.64        | 9.29            | 7.79 | 3.5               | 2.78            | 102.6 |
| 782      | 11/18/2011 14:31:20 | 11.17  | 47.38           | 30.72        | 9.29            | 7.79 | 4.2               | 2.85            | 102.7 |
| 783      | 11/18/2011 14:46:20 | 11.12  | 47.52           | 30.82        | 9.28            | 7.78 | 3.2               | 2.90            | 102.6 |
| 784      | 11/18/2011 15:01:20 | 11.08  | 47.58           | 30.86        | 9.32            | 7.78 | 3.2               | 2.93            | 102.9 |
| 785      | 11/18/2011 15:16:20 | 11.06  | 47.62           | 30.89        | 9.32            | 7.78 | 2.9               | 3.01            | 103.0 |
| 786      | 11/18/2011 15:31:20 | 11.05  | 47.63           | 30.89        | 9.35            | 7.78 | 2.8               | 3.01            | 103.2 |
| 787      | 11/18/2011 15:46:20 | 11.03  | 47.68           | 30.93        | 9.33            | 7.78 | 2.9               | 3.07            | 103.0 |
| 788      | 11/18/2011 16:01:20 | 11.03  | 47.66           | 30.92        | 9.35            | 7.78 | 2.7               | 3.12            | 103.2 |
| 789      | 11/18/2011 16:16:19 | 11.03  | 47.56           | 30.84        | 9.35            | 7.78 | 2.6               | 3.12            | 103.2 |
| 790      | 11/18/2011 16:31:20 | 11.02  | 47.74           | 30.97        | 9.29            | 7.78 | 2.3               | 3.14            | 102.5 |
| 791      | 11/18/2011 16:46:20 | 10.99  | 47.78           | 31.00        | 9.29            | 7.77 | 2.4               | 3.17            | 102.5 |
| 792      | 11/18/2011 17:01:20 | 11.01  | 47.76           | 30.98        | 9.12            | 7.77 | 2.2               | 3.18            | 100.6 |
| 793      | 11/18/2011 17:16:20 | 10.98  | 47.78           | 31.00        | 9.16            | 7.76 | 2.6               | 3.13            | 101.0 |
| 794      | 11/18/2011 17:31:20 | 10.98  | 47.76           | 30.99        | 9.20            | 7.77 | 2.4               | 3.14            | 101.5 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 795      | 11/18/2011 17:46:20 | 10.99  | 47.74           | 30.97        | 9.18            | 7.77 | 2.6               | 3.08            | 101.3 |
| 796      | 11/18/2011 18:01:20 | 11.01  | 47.70           | 30.94        | 9.21            | 7.77 | 2.8               | 3.09            | 101.6 |
| 797      | 11/18/2011 18:16:20 | 11.04  | 47.62           | 30.88        | 9.22            | 7.78 | 2.9               | 3.03            | 101.8 |
| 798      | 11/18/2011 18:31:20 | 11.06  | 47.57           | 30.85        | 9.23            | 7.78 | 3.2               | 2.96            | 101.9 |
| 799      | 11/18/2011 18:46:20 | 11.08  | 47.47           | 30.78        | 9.17            | 7.79 | 3.6               | 2.85            | 101.2 |
| 800      | 11/18/2011 19:01:19 | 11.00  | 47.32           | 30.67        | 9.08            | 7.79 | 4.1               | 2.81            | 100.0 |
| 801      | 11/18/2011 19:16:20 | 10.98  | 47.43           | 30.75        | 9.03            | 7.78 | 3.7               | 2.75            | 99.5  |
| 802      | 11/18/2011 19:31:20 | 10.97  | 47.47           | 30.77        | 9.08            | 7.79 | 3.7               | 2.68            | 100.1 |
| 803      | 11/18/2011 19:46:20 | 10.94  | 47.42           | 30.74        | 9.02            | 7.79 | 3.7               | 2.60            | 99.2  |
| 804      | 11/18/2011 20:01:20 | 10.96  | 47.38           | 30.71        | 9.06            | 7.80 | 4.2               | 2.57            | 99.7  |
| 805      | 11/18/2011 20:16:20 | 11.02  | 47.30           | 30.66        | 9.21            | 7.81 | 4.5               | 2.48            | 101.4 |
| 806      | 11/18/2011 20:31:20 | 10.89  | 47.33           | 30.67        | 9.11            | 7.80 | 4.6               | 2.38            | 100.1 |
| 807      | 11/18/2011 20:46:20 | 10.98  | 47.21           | 30.58        | 9.28            | 7.82 | 5.5               | 2.29            | 102.1 |
| 808      | 11/18/2011 21:01:20 | 10.96  | 47.23           | 30.60        | 9.13            | 7.81 | 5.7               | 2.21            | 100.5 |
| 809      | 11/18/2011 21:16:20 | 10.96  | 47.18           | 30.57        | 9.16            | 7.81 | 6.0               | 2.15            | 100.7 |
| 810      | 11/18/2011 21:31:20 | 10.88  | 47.07           | 30.48        | 9.16            | 7.81 | 6.2               | 2.05            | 100.5 |
| 811      | 11/18/2011 21:46:20 | 10.93  | 46.89           | 30.36        | 9.27            | 7.83 | 7.8               | 1.95            | 101.8 |
| 812      | 11/18/2011 22:01:20 | 10.97  | 46.82           | 30.31        | 9.31            | 7.83 | 6.8               | 1.92            | 102.2 |
| 813      | 11/18/2011 22:16:20 | 10.82  | 46.80           | 30.28        | 9.25            | 7.82 | 6.1               | 1.82            | 101.2 |
| 814      | 11/18/2011 22:31:20 | 10.81  | 46.74           | 30.24        | 9.20            | 7.82 | 6.2               | 1.77            | 100.6 |
| 815      | 11/18/2011 22:46:20 | 10.76  | 46.67           | 30.19        | 9.22            | 7.82 | 6.0               | 1.68            | 100.7 |
| 816      | 11/18/2011 23:01:20 | 10.74  | 46.64           | 30.17        | 9.26            | 7.83 | 6.3               | 1.67            | 101.1 |
| 817      | 11/18/2011 23:16:20 | 10.78  | 46.61           | 30.14        | 9.23            | 7.83 | 5.3               | 1.66            | 100.8 |
| 818      | 11/18/2011 23:31:20 | 10.75  | 46.60           | 30.14        | 9.15            | 7.82 | 5.1               | 1.64            | 99.9  |
| 819      | 11/18/2011 23:46:20 | 10.88  | 46.67           | 30.19        | 9.27            | 7.83 | 5.3               | 1.70            | 101.5 |
| 820      | 11/19/2011 00:01:20 | 10.83  | 46.74           | 30.24        | 9.27            | 7.82 | 5.6               | 1.70            | 101.4 |
| 821      | 11/19/2011 00:16:20 | 10.87  | 46.70           | 30.21        | 9.30            | 7.83 | 5.5               | 1.75            | 101.9 |
| 822      | 11/19/2011 00:31:20 | 10.88  | 46.79           | 30.28        | 9.27            | 7.82 | 5.7               | 1.78            | 101.5 |
| 823      | 11/19/2011 00:46:20 | 10.89  | 46.51           | 30.08        | 9.27            | 7.82 | 5.6               | 1.89            | 101.5 |
| 824      | 11/19/2011 01:01:20 | 10.94  | 46.60           | 30.15        | 9.29            | 7.82 | 5.3               | 1.95            | 101.8 |
| 825      | 11/19/2011 01:16:20 | 10.96  | 46.61           | 30.15        | 9.27            | 7.82 | 5.1               | 2.06            | 101.7 |
| 826      | 11/19/2011 01:31:20 | 10.97  | 46.50           | 30.08        | 9.23            | 7.81 | 5.6               | 2.09            | 101.2 |
| 827      | 11/19/2011 01:46:20 | 11.00  | 46.63           | 30.17        | 9.24            | 7.81 | 5.1               | 2.18            | 101.4 |
| 828      | 11/19/2011 02:01:20 | 11.00  | 46.69           | 30.21        | 9.22            | 7.81 | 5.1               | 2.25            | 101.3 |
| 829      | 11/19/2011 02:16:20 | 10.94  | 46.59           | 30.14        | 9.21            | 7.81 | 4.8               | 2.33            | 101.0 |
| 830      | 11/19/2011 02:31:20 | 11.03  | 47.01           | 30.45        | 9.16            | 7.80 | 4.4               | 2.39            | 100.8 |
| 831      | 11/19/2011 02:46:20 | 11.04  | 47.11           | 30.52        | 9.18            | 7.80 | 4.3               | 2.51            | 101.1 |
| 832      | 11/19/2011 03:01:20 | 11.04  | 47.08           | 30.49        | 9.18            | 7.80 | 4.4               | 2.57            | 101.0 |
| 833      | 11/19/2011 03:16:20 | 11.03  | 47.22           | 30.60        | 9.19            | 7.80 | 4.3               | 2.64            | 101.3 |
| 834      | 11/19/2011 03:31:20 | 11.01  | 47.29           | 30.64        | 9.20            | 7.80 | 4.6               | 2.71            | 101.3 |
| 835      | 11/19/2011 03:46:20 | 10.94  | 47.33           | 30.68        | 9.19            | 7.79 | 5.1               | 2.78            | 101.1 |
| 836      | 11/19/2011 04:01:20 | 10.92  | 47.39           | 30.72        | 9.19            | 7.79 | 5.5               | 2.86            | 101.1 |
| 837      | 11/19/2011 04:16:20 | 10.90  | 47.44           | 30.75        | 9.19            | 7.78 | 5.4               | 2.94            | 101.1 |
| 838      | 11/19/2011 04:31:20 | 10.82  | 47.54           | 30.81        | 9.21            | 7.78 | 5.5               | 3.04            | 101.1 |
| 839      | 11/19/2011 04:46:20 | 10.74  | 47.57           | 30.83        | 9.24            | 7.77 | 6.2               | 3.10            | 101.3 |
| 840      | 11/19/2011 05:01:20 | 10.65  | 47.71           | 30.93        | 9.27            | 7.76 | 6.9               | 3.16            | 101.5 |
| 841      | 11/19/2011 05:16:20 | 10.54  | 47.87           | 31.04        | 9.36            | 7.76 | 6.7               | 3.25            | 102.3 |
| 842      | 11/19/2011 05:31:20 | 10.47  | 48.02           | 31.14        | 9.44            | 7.76 | 6.2               | 3.33            | 103.1 |
| 843      | 11/19/2011 05:46:20 | 10.43  | 48.01           | 31.13        | 9.54            | 7.76 | 5.4               | 3.38            | 104.1 |
| 844      | 11/19/2011 06:01:20 | 10.43  | 47.98           | 31.11        | 9.52            | 7.76 | 5.1               | 3.42            | 103.8 |
| 845      | 11/19/2011 06:16:20 | 10.39  | 48.09           | 31.19        | 9.55            | 7.76 | 4.0               | 3.44            | 104.2 |
| 846      | 11/19/2011 06:31:20 | 10.42  | 47.90           | 31.05        | 9.34            | 7.76 | 3.5               | 3.46            | 101.8 |
| 847      | 11/19/2011 06:46:20 | 10.43  | 47.93           | 31.07        | 9.38            | 7.75 | 3.9               | 3.47            | 102.3 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 848      | 11/19/2011 07:01:20 | 10.40  | 48.06           | 31.17        | 9.45            | 7.76 | 4.1               | 3.44            | 103.1 |
| 849      | 11/19/2011 07:16:20 | 10.41  | 48.08           | 31.18        | 9.44            | 7.76 | 4.8               | 3.39            | 103.0 |
| 850      | 11/19/2011 07:31:20 | 10.45  | 47.77           | 30.96        | 9.23            | 7.76 | 4.0               | 3.33            | 100.7 |
| 851      | 11/19/2011 07:46:20 | 10.40  | 47.40           | 30.70        | 8.92            | 7.76 | 4.3               | 3.27            | 97.0  |
| 852      | 11/19/2011 08:01:20 | 10.47  | 47.48           | 30.75        | 8.97            | 7.77 | 4.4               | 3.20            | 97.8  |
| 853      | 11/19/2011 08:16:20 | 10.41  | 47.57           | 30.81        | 9.05            | 7.76 | 4.0               | 3.15            | 98.5  |
| 854      | 11/19/2011 08:31:20 | 10.41  | 47.56           | 30.81        | 9.06            | 7.76 | 4.4               | 3.08            | 98.6  |
| 855      | 11/19/2011 08:46:20 | 10.43  | 47.39           | 30.69        | 9.08            | 7.77 | 4.6               | 3.01            | 98.8  |
| 856      | 11/19/2011 09:01:20 | 10.39  | 47.34           | 30.65        | 9.11            | 7.77 | 4.6               | 2.95            | 99.0  |
| 857      | 11/19/2011 09:16:20 | 10.42  | 47.34           | 30.65        | 9.12            | 7.77 | 4.2               | 2.87            | 99.1  |
| 858      | 11/19/2011 09:31:20 | 10.49  | 47.36           | 30.67        | 9.18            | 7.78 | 4.1               | 2.79            | 100.0 |
| 859      | 11/19/2011 09:46:20 | 10.52  | 47.36           | 30.67        | 9.25            | 7.79 | 4.3               | 2.73            | 100.8 |
| 860      | 11/19/2011 10:01:20 | 10.51  | 47.23           | 30.58        | 9.34            | 7.79 | 4.2               | 2.64            | 101.7 |
| 861      | 11/19/2011 10:16:20 | 10.51  | 47.20           | 30.55        | 9.32            | 7.80 | 4.3               | 2.58            | 101.5 |
| 862      | 11/19/2011 10:31:20 | 10.33  | 47.07           | 30.45        | 9.52            | 7.82 | 4.6               | 2.52            | 103.2 |
| 863      | 11/19/2011 10:46:20 | 10.47  | 47.06           | 30.45        | 9.48            | 7.81 | 4.4               | 2.44            | 103.1 |
| 864      | 11/19/2011 11:01:20 | 10.43  | 47.07           | 30.46        | 9.65            | 7.83 | 4.7               | 2.40            | 104.8 |
| 865      | 11/19/2011 11:16:20 | 10.54  | 46.99           | 30.41        | 9.45            | 7.82 | 4.3               | 2.33            | 102.8 |
| 866      | 11/19/2011 11:31:20 | 10.51  | 46.91           | 30.35        | 9.40            | 7.82 | 4.2               | 2.26            | 102.3 |
| 867      | 11/19/2011 11:46:20 | 10.49  | 46.86           | 30.31        | 9.45            | 7.82 | 4.2               | 2.18            | 102.7 |
| 868      | 11/19/2011 12:01:20 | 10.47  | 46.87           | 30.32        | 9.47            | 7.82 | 4.3               | 2.15            | 102.9 |
| 869      | 11/19/2011 12:16:20 | 10.47  | 46.84           | 30.29        | 9.39            | 7.82 | 3.8               | 2.14            | 102.0 |
| 870      | 11/19/2011 12:31:20 | 10.46  | 46.88           | 30.32        | 9.39            | 7.82 | 3.8               | 2.14            | 101.9 |
| 871      | 11/19/2011 12:46:20 | 10.47  | 46.85           | 30.30        | 9.46            | 7.82 | 4.5               | 2.13            | 102.7 |
| 872      | 11/19/2011 13:01:20 | 10.47  | 46.92           | 30.35        | 9.45            | 7.82 | 4.2               | 2.11            | 102.7 |
| 873      | 11/19/2011 13:16:20 | 10.48  | 46.92           | 30.35        | 9.48            | 7.82 | 3.9               | 2.16            | 103.0 |
| 874      | 11/19/2011 13:31:20 | 10.50  | 46.94           | 30.36        | 9.46            | 7.82 | 4.2               | 2.18            | 102.9 |
| 875      | 11/19/2011 13:46:20 | 10.51  | 46.96           | 30.39        | 9.44            | 7.81 | 4.0               | 2.25            | 102.6 |
| 876      | 11/19/2011 14:01:20 | 10.35  | 46.47           | 30.02        | 9.40            | 7.80 | 4.4               | 2.30            | 101.6 |
| 877      | 11/19/2011 14:16:20 | 10.38  | 46.43           | 30.00        | 9.36            | 7.79 | 4.2               | 2.35            | 101.3 |
| 878      | 11/19/2011 14:31:20 | 10.42  | 46.60           | 30.12        | 9.31            | 7.79 | 4.5               | 2.41            | 100.9 |
| 879      | 11/19/2011 14:46:20 | 10.52  | 46.93           | 30.36        | 9.25            | 7.79 | 4.3               | 2.46            | 100.6 |
| 880      | 11/19/2011 15:01:20 | 10.51  | 47.08           | 30.47        | 9.22            | 7.79 | 4.2               | 2.54            | 100.4 |
| 881      | 11/19/2011 15:16:20 | 10.52  | 47.26           | 30.60        | 9.22            | 7.78 | 4.1               | 2.59            | 100.4 |
| 882      | 11/19/2011 15:31:20 | 10.51  | 47.28           | 30.61        | 9.24            | 7.78 | 3.7               | 2.65            | 100.7 |
| 883      | 11/19/2011 15:46:20 | 10.51  | 47.32           | 30.64        | 9.23            | 7.78 | 3.5               | 2.70            | 100.6 |
| 884      | 11/19/2011 16:01:20 | 10.51  | 47.45           | 30.73        | 9.22            | 7.78 | 3.5               | 2.74            | 100.5 |
| 885      | 11/19/2011 16:16:20 | 10.51  | 47.46           | 30.74        | 9.23            | 7.78 | 3.4               | 2.81            | 100.6 |
| 886      | 11/19/2011 16:31:20 | 10.52  | 47.38           | 30.69        | 9.23            | 7.78 | 3.5               | 2.85            | 100.6 |
| 887      | 11/19/2011 16:46:20 | 10.48  | 47.60           | 30.84        | 9.25            | 7.77 | 3.4               | 2.90            | 100.8 |
| 888      | 11/19/2011 17:01:20 | 10.45  | 47.62           | 30.86        | 9.28            | 7.77 | 3.2               | 2.95            | 101.1 |
| 889      | 11/19/2011 17:16:20 | 10.42  | 47.67           | 30.89        | 9.33            | 7.77 | 3.3               | 3.00            | 101.6 |
| 890      | 11/19/2011 17:31:20 | 10.41  | 47.71           | 30.91        | 9.35            | 7.77 | 3.2               | 3.02            | 101.8 |
| 891      | 11/19/2011 17:46:20 | 10.40  | 47.74           | 30.94        | 9.38            | 7.77 | 3.1               | 3.09            | 102.2 |
| 892      | 11/19/2011 18:01:20 | 10.38  | 47.85           | 31.02        | 9.38            | 7.77 | 3.6               | 3.12            | 102.1 |
| 893      | 11/19/2011 18:16:20 | 10.36  | 47.86           | 31.02        | 9.27            | 7.77 | 2.9               | 3.13            | 100.9 |
| 894      | 11/19/2011 18:31:20 | 10.34  | 47.89           | 31.04        | 9.26            | 7.76 | 2.5               | 3.16            | 100.8 |
| 895      | 11/19/2011 18:46:20 | 10.37  | 47.73           | 30.92        | 9.18            | 7.76 | 3.0               | 3.15            | 99.9  |
| 896      | 11/19/2011 19:01:20 | 10.33  | 47.69           | 30.90        | 9.08            | 7.76 | 3.2               | 3.12            | 98.7  |
| 897      | 11/19/2011 19:16:20 | 10.26  | 47.55           | 30.79        | 9.11            | 7.76 | 4.3               | 3.07            | 98.8  |
| 898      | 11/19/2011 19:31:20 | 10.23  | 47.49           | 30.75        | 9.12            | 7.76 | 5.1               | 3.02            | 98.8  |
| 899      | 11/19/2011 19:46:20 | 10.20  | 47.43           | 30.70        | 9.10            | 7.76 | 5.5               | 2.97            | 98.5  |
| 900      | 11/19/2011 20:01:20 | 10.18  | 47.44           | 30.71        | 9.15            | 7.77 | 6.2               | 2.90            | 99.0  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 901      | 11/19/2011 20:16:20 | 10.18  | 47.46           | 30.73        | 9.17            | 7.77 | 6.0               | 2.82            | 99.3  |
| 902      | 11/19/2011 20:31:20 | 10.17  | 47.42           | 30.69        | 9.09            | 7.77 | 6.5               | 2.75            | 98.3  |
| 903      | 11/19/2011 20:46:20 | 10.17  | 47.24           | 30.56        | 9.10            | 7.77 | 7.6               | 2.66            | 98.3  |
| 904      | 11/19/2011 21:01:20 | 10.12  | 47.15           | 30.49        | 9.08            | 7.77 | 7.9               | 2.59            | 98.0  |
| 905      | 11/19/2011 21:16:20 | 10.11  | 47.11           | 30.47        | 9.02            | 7.77 | 8.1               | 2.52            | 97.3  |
| 906      | 11/19/2011 21:31:20 | 10.03  | 46.90           | 30.31        | 9.03            | 7.77 | 8.5               | 2.44            | 97.2  |
| 907      | 11/19/2011 21:46:20 | 9.97   | 46.73           | 30.18        | 9.03            | 7.78 | 8.7               | 2.38            | 97.0  |
| 908      | 11/19/2011 22:01:20 | 9.95   | 46.81           | 30.24        | 9.06            | 7.78 | 8.7               | 2.28            | 97.3  |
| 909      | 11/19/2011 22:16:20 | 9.90   | 46.80           | 30.24        | 9.07            | 7.78 | 8.5               | 2.21            | 97.3  |
| 910      | 11/19/2011 22:31:20 | 9.89   | 46.78           | 30.22        | 9.08            | 7.78 | 8.2               | 2.13            | 97.3  |
| 911      | 11/19/2011 22:46:20 | 9.87   | 46.74           | 30.19        | 9.11            | 7.79 | 7.9               | 2.07            | 97.6  |
| 912      | 11/19/2011 23:01:20 | 9.84   | 46.68           | 30.14        | 9.08            | 7.79 | 7.6               | 2.00            | 97.1  |
| 913      | 11/19/2011 23:16:20 | 9.78   | 46.71           | 30.16        | 9.09            | 7.79 | 7.4               | 1.92            | 97.2  |
| 914      | 11/19/2011 23:31:20 | 9.76   | 46.65           | 30.12        | 9.10            | 7.80 | 7.4               | 1.89            | 97.2  |
| 915      | 11/19/2011 23:46:20 | 9.74   | 46.63           | 30.10        | 9.08            | 7.80 | 7.1               | 1.86            | 97.0  |
| 916      | 11/20/2011 00:01:20 | 9.74   | 46.59           | 30.07        | 9.07            | 7.80 | 6.3               | 1.81            | 96.9  |
| 917      | 11/20/2011 00:16:20 | 9.77   | 46.59           | 30.08        | 8.99            | 7.80 | 6.5               | 1.82            | 96.0  |
| 918      | 11/20/2011 00:31:20 | 9.96   | 46.77           | 30.21        | 9.15            | 7.80 | 6.2               | 1.83            | 98.3  |
| 919      | 11/20/2011 00:46:20 | 10.02  | 46.85           | 30.28        | 9.16            | 7.81 | 5.7               | 1.85            | 98.5  |
| 920      | 11/20/2011 01:01:20 | 9.96   | 46.81           | 30.24        | 9.15            | 7.80 | 6.3               | 1.88            | 98.3  |
| 921      | 11/20/2011 01:16:19 | 9.96   | 46.73           | 30.19        | 9.16            | 7.80 | 6.2               | 1.95            | 98.3  |
| 922      | 11/20/2011 01:31:20 | 9.88   | 46.52           | 30.03        | 9.13            | 7.79 | 6.2               | 2.00            | 97.7  |
| 923      | 11/20/2011 01:46:20 | 9.70   | 45.70           | 29.44        | 9.16            | 7.78 | 5.9               | 2.07            | 97.3  |
| 924      | 11/20/2011 02:01:20 | 9.92   | 46.33           | 29.90        | 9.12            | 7.79 | 5.8               | 2.14            | 97.6  |
| 925      | 11/20/2011 02:16:20 | 9.98   | 46.64           | 30.12        | 9.11            | 7.79 | 5.8               | 2.22            | 97.8  |
| 926      | 11/20/2011 02:31:20 | 9.99   | 46.59           | 30.09        | 9.09            | 7.78 | 6.0               | 2.29            | 97.6  |
| 927      | 11/20/2011 02:46:20 | 10.01  | 46.48           | 30.01        | 9.09            | 7.78 | 6.0               | 2.37            | 97.5  |
| 928      | 11/20/2011 03:01:20 | 10.05  | 46.65           | 30.13        | 9.07            | 7.77 | 5.1               | 2.45            | 97.5  |
| 929      | 11/20/2011 03:16:20 | 10.15  | 47.08           | 30.45        | 9.05            | 7.77 | 5.0               | 2.52            | 97.7  |
| 930      | 11/20/2011 03:31:20 | 10.22  | 47.20           | 30.54        | 9.07            | 7.78 | 5.1               | 2.60            | 98.1  |
| 931      | 11/20/2011 03:46:20 | 10.24  | 47.27           | 30.59        | 9.09            | 7.78 | 5.5               | 2.69            | 98.4  |
| 932      | 11/20/2011 04:01:20 | 10.22  | 47.23           | 30.56        | 9.09            | 7.78 | 6.6               | 2.76            | 98.3  |
| 933      | 11/20/2011 04:16:20 | 10.23  | 47.37           | 30.66        | 9.10            | 7.77 | 6.8               | 2.84            | 98.5  |
| 934      | 11/20/2011 04:31:20 | 10.24  | 47.45           | 30.72        | 9.13            | 7.77 | 6.8               | 2.93            | 98.9  |
| 935      | 11/20/2011 04:46:20 | 10.24  | 47.55           | 30.79        | 9.15            | 7.77 | 7.1               | 3.02            | 99.2  |
| 936      | 11/20/2011 05:01:20 | 10.20  | 47.61           | 30.83        | 9.22            | 7.76 | 8.1               | 3.11            | 99.9  |
| 937      | 11/20/2011 05:16:20 | 10.17  | 47.76           | 30.93        | 9.31            | 7.76 | 7.9               | 3.20            | 100.9 |
| 938      | 11/20/2011 05:31:20 | 10.14  | 47.82           | 30.98        | 9.39            | 7.76 | 8.0               | 3.29            | 101.7 |
| 939      | 11/20/2011 05:46:20 | 10.09  | 47.93           | 31.05        | 9.48            | 7.76 | 7.9               | 3.38            | 102.6 |
| 940      | 11/20/2011 06:01:20 | 10.07  | 47.97           | 31.09        | 9.52            | 7.76 | 6.6               | 3.45            | 103.1 |
| 941      | 11/20/2011 06:16:20 | 10.04  | 48.01           | 31.11        | 9.54            | 7.76 | 5.9               | 3.52            | 103.2 |
| 942      | 11/20/2011 06:31:20 | 10.03  | 48.05           | 31.14        | 9.55            | 7.76 | 5.0               | 3.59            | 103.3 |
| 943      | 11/20/2011 06:46:20 | 10.02  | 48.05           | 31.13        | 9.56            | 7.76 | 4.5               | 3.62            | 103.4 |
| 944      | 11/20/2011 07:01:20 | 10.00  | 48.08           | 31.16        | 9.55            | 7.76 | 3.8               | 3.65            | 103.2 |
| 945      | 11/20/2011 07:16:20 | 10.03  | 47.88           | 31.02        | 9.31            | 7.76 | 3.6               | 3.67            | 100.7 |
| 946      | 11/20/2011 07:31:20 | 10.03  | 48.00           | 31.10        | 9.33            | 7.76 | 3.5               | 3.67            | 100.9 |
| 947      | 11/20/2011 07:46:20 | 10.00  | 48.09           | 31.17        | 9.43            | 7.76 | 4.1               | 3.63            | 102.0 |
| 948      | 11/20/2011 08:01:20 | 10.01  | 47.91           | 31.04        | 9.30            | 7.76 | 4.3               | 3.59            | 100.5 |
| 949      | 11/20/2011 08:16:20 | 10.01  | 47.83           | 30.98        | 9.23            | 7.75 | 4.5               | 3.52            | 99.7  |
| 950      | 11/20/2011 08:31:20 | 10.00  | 47.65           | 30.85        | 9.09            | 7.75 | 4.2               | 3.46            | 98.1  |
| 951      | 11/20/2011 08:46:20 | 9.99   | 47.87           | 31.01        | 9.39            | 7.76 | 4.2               | 3.38            | 101.4 |
| 952      | 11/20/2011 09:01:20 | 10.03  | 47.84           | 30.99        | 9.45            | 7.76 | 4.5               | 3.29            | 102.1 |
| 953      | 11/20/2011 09:16:20 | 10.03  | 47.61           | 30.82        | 9.25            | 7.76 | 6.7               | 3.20            | 99.8  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 954      | 11/20/2011 09:31:20 | 10.05  | 47.48           | 30.73        | 9.19            | 7.76 | 7.0               | 3.11            | 99.2  |
| 955      | 11/20/2011 09:46:20 | 10.06  | 47.46           | 30.71        | 9.19            | 7.77 | 5.4               | 3.01            | 99.2  |
| 956      | 11/20/2011 10:01:20 | 10.10  | 47.45           | 30.71        | 9.20            | 7.77 | 5.2               | 2.92            | 99.4  |
| 957      | 11/20/2011 10:16:20 | 10.11  | 47.36           | 30.64        | 9.17            | 7.77 | 6.5               | 2.84            | 99.1  |
| 958      | 11/20/2011 10:31:20 | 10.15  | 47.30           | 30.61        | 9.21            | 7.78 | 6.9               | 2.72            | 99.5  |
| 959      | 11/20/2011 10:46:20 | 10.22  | 47.33           | 30.63        | 9.45            | 7.79 | 6.0               | 2.64            | 102.3 |
| 960      | 11/20/2011 11:01:20 | 10.37  | 47.58           | 30.82        | 9.79            | 7.80 | 4.1               | 2.56            | 106.4 |
| 961      | 11/20/2011 11:16:20 | 10.29  | 47.28           | 30.60        | 9.57            | 7.80 | 5.2               | 2.45            | 103.7 |
| 962      | 11/20/2011 11:31:20 | 10.50  | 47.31           | 30.63        | 9.78            | 7.81 | 4.2               | 2.37            | 106.5 |
| 963      | 11/20/2011 11:46:20 | 10.41  | 47.15           | 30.51        | 9.68            | 7.81 | 5.2               | 2.27            | 105.2 |
| 964      | 11/20/2011 12:01:20 | 10.66  | 47.20           | 30.56        | 9.97            | 7.83 | 4.2               | 2.17            | 108.9 |
| 965      | 11/20/2011 12:16:20 | 10.45  | 47.05           | 30.45        | 9.76            | 7.83 | 4.2               | 2.10            | 106.1 |
| 966      | 11/20/2011 12:31:20 | 10.57  | 47.10           | 30.48        | 9.93            | 7.84 | 4.2               | 2.04            | 108.3 |
| 967      | 11/20/2011 12:46:20 | 10.62  | 47.04           | 30.44        | 10.01           | 7.85 | 4.0               | 1.96            | 109.2 |
| 968      | 11/20/2011 13:01:20 | 10.89  | 47.07           | 30.49        | 10.23           | 7.86 | 3.8               | 1.90            | 112.2 |
| 969      | 11/20/2011 13:16:20 | 10.68  | 46.95           | 30.38        | 9.92            | 7.85 | 3.8               | 1.88            | 108.3 |
| 970      | 11/20/2011 13:31:20 | 10.62  | 46.82           | 30.29        | 9.97            | 7.86 | 3.6               | 1.86            | 108.6 |
| 971      | 11/20/2011 13:46:20 | 10.80  | 46.84           | 30.31        | 9.89            | 7.85 | 3.7               | 1.84            | 108.3 |
| 972      | 11/20/2011 14:01:20 | 10.61  | 46.84           | 30.30        | 9.94            | 7.85 | 3.8               | 1.86            | 108.3 |
| 973      | 11/20/2011 14:16:20 | 10.45  | 46.82           | 30.28        | 9.78            | 7.84 | 3.7               | 1.91            | 106.1 |
| 974      | 11/20/2011 14:31:20 | 10.35  | 46.78           | 30.24        | 9.62            | 7.84 | 3.8               | 1.96            | 104.2 |
| 975      | 11/20/2011 14:46:20 | 10.34  | 46.76           | 30.23        | 9.58            | 7.83 | 4.0               | 2.01            | 103.7 |
| 976      | 11/20/2011 15:01:20 | 10.31  | 46.61           | 30.12        | 9.54            | 7.82 | 4.0               | 2.09            | 103.2 |
| 977      | 11/20/2011 15:16:20 | 10.27  | 46.47           | 30.02        | 9.50            | 7.81 | 4.1               | 2.16            | 102.5 |
| 978      | 11/20/2011 15:31:20 | 10.24  | 46.43           | 29.98        | 9.44            | 7.81 | 4.2               | 2.24            | 101.8 |
| 979      | 11/20/2011 15:46:20 | 10.22  | 46.51           | 30.04        | 9.41            | 7.80 | 4.0               | 2.30            | 101.5 |
| 980      | 11/20/2011 16:01:20 | 10.23  | 46.66           | 30.15        | 9.38            | 7.80 | 4.4               | 2.36            | 101.2 |
| 981      | 11/20/2011 16:16:20 | 10.24  | 46.83           | 30.28        | 9.33            | 7.79 | 4.0               | 2.45            | 100.9 |
| 982      | 11/20/2011 16:31:20 | 10.25  | 46.92           | 30.34        | 9.29            | 7.78 | 4.0               | 2.51            | 100.4 |
| 983      | 11/20/2011 16:46:20 | 10.25  | 47.07           | 30.45        | 9.23            | 7.78 | 4.0               | 2.58            | 99.8  |
| 984      | 11/20/2011 17:01:20 | 10.24  | 47.18           | 30.52        | 9.20            | 7.78 | 4.0               | 2.64            | 99.6  |
| 985      | 11/20/2011 17:16:20 | 10.22  | 47.24           | 30.57        | 9.18            | 7.78 | 4.4               | 2.70            | 99.3  |
| 986      | 11/20/2011 17:31:20 | 10.21  | 47.28           | 30.60        | 9.17            | 7.78 | 4.2               | 2.77            | 99.2  |
| 987      | 11/20/2011 17:46:20 | 10.21  | 47.30           | 30.61        | 9.19            | 7.77 | 4.2               | 2.83            | 99.4  |
| 988      | 11/20/2011 18:01:20 | 10.20  | 47.32           | 30.62        | 9.19            | 7.77 | 4.0               | 2.89            | 99.4  |
| 989      | 11/20/2011 18:16:20 | 10.21  | 47.33           | 30.63        | 9.18            | 7.77 | 4.1               | 2.94            | 99.4  |
| 990      | 11/20/2011 18:31:20 | 10.21  | 47.30           | 30.61        | 9.19            | 7.77 | 3.9               | 3.00            | 99.4  |
| 991      | 11/20/2011 18:46:20 | 10.21  | 47.36           | 30.65        | 9.19            | 7.77 | 3.8               | 3.05            | 99.5  |
| 992      | 11/20/2011 19:01:20 | 10.20  | 47.33           | 30.63        | 9.20            | 7.77 | 3.8               | 3.10            | 99.6  |
| 993      | 11/20/2011 19:16:20 | 10.21  | 47.41           | 30.69        | 9.18            | 7.77 | 3.5               | 3.12            | 99.4  |
| 994      | 11/20/2011 19:31:20 | 10.21  | 47.42           | 30.70        | 9.12            | 7.76 | 4.0               | 3.13            | 98.8  |
| 995      | 11/20/2011 19:46:20 | 10.19  | 47.28           | 30.60        | 9.01            | 7.76 | 3.2               | 3.15            | 97.5  |
| 996      | 11/20/2011 20:01:20 | 10.20  | 47.36           | 30.65        | 8.98            | 7.76 | 3.6               | 3.15            | 97.2  |
| 997      | 11/20/2011 20:16:20 | 10.19  | 47.35           | 30.64        | 9.06            | 7.76 | 3.7               | 3.12            | 98.0  |
| 998      | 11/20/2011 20:31:20 | 10.19  | 47.39           | 30.67        | 9.06            | 7.76 | 3.6               | 3.09            | 98.0  |
| 999      | 11/20/2011 20:46:20 | 10.18  | 47.27           | 30.59        | 9.04            | 7.76 | 3.7               | 3.03            | 97.8  |
| 1000     | 11/20/2011 21:01:20 | 10.06  | 47.18           | 30.51        | 8.92            | 7.76 | 4.3               | 2.95            | 96.1  |
| 1001     | 11/20/2011 21:16:20 | 10.16  | 47.19           | 30.53        | 9.02            | 7.77 | 4.3               | 2.89            | 97.4  |
| 1002     | 11/20/2011 21:31:20 | 10.15  | 47.18           | 30.52        | 9.01            | 7.77 | 4.2               | 2.81            | 97.4  |
| 1003     | 11/20/2011 21:46:20 | 10.08  | 47.26           | 30.57        | 8.92            | 7.76 | 4.3               | 2.74            | 96.2  |
| 1004     | 11/20/2011 22:01:20 | 10.10  | 47.22           | 30.54        | 8.94            | 7.76 | 4.5               | 2.68            | 96.5  |
| 1005     | 11/20/2011 22:16:20 | 10.11  | 47.21           | 30.54        | 8.97            | 7.77 | 4.6               | 2.60            | 96.8  |
| 1006     | 11/20/2011 22:31:20 | 10.14  | 47.10           | 30.46        | 8.99            | 7.78 | 4.8               | 2.49            | 97.1  |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1007     | 11/20/2011 22:46:20 | 10.14  | 47.11           | 30.47        | 9.09            | 7.78 | 4.8               | 2.45            | 98.1  |
| 1008     | 11/20/2011 23:01:20 | 10.17  | 46.96           | 30.37        | 9.16            | 7.79 | 4.7               | 2.37            | 98.9  |
| 1009     | 11/20/2011 23:16:20 | 10.03  | 47.05           | 30.42        | 9.00            | 7.77 | 4.9               | 2.27            | 96.9  |
| 1010     | 11/20/2011 23:31:20 | 9.98   | 46.98           | 30.37        | 8.99            | 7.78 | 5.0               | 2.21            | 96.6  |
| 1011     | 11/20/2011 23:46:20 | 9.98   | 46.93           | 30.33        | 9.04            | 7.78 | 4.8               | 2.12            | 97.2  |
| 1012     | 11/21/2011 00:01:20 | 10.01  | 46.92           | 30.33        | 9.13            | 7.79 | 4.6               | 2.04            | 98.2  |
| 1013     | 11/21/2011 00:16:20 | 10.02  | 46.87           | 30.29        | 9.27            | 7.81 | 4.2               | 2.00            | 99.7  |
| 1014     | 11/21/2011 00:31:20 | 9.99   | 46.76           | 30.21        | 9.32            | 7.81 | 4.2               | 1.93            | 100.1 |
| 1015     | 11/21/2011 00:46:20 | 9.99   | 46.63           | 30.12        | 9.46            | 7.83 | 4.0               | 1.90            | 101.6 |
| 1016     | 11/21/2011 01:01:20 | 10.00  | 46.55           | 30.06        | 9.55            | 7.84 | 3.7               | 1.89            | 102.5 |
| 1017     | 11/21/2011 01:16:20 | 10.00  | 46.45           | 29.99        | 9.57            | 7.85 | 3.7               | 1.87            | 102.7 |
| 1018     | 11/21/2011 01:31:20 | 9.99   | 46.54           | 30.05        | 9.57            | 7.84 | 3.8               | 1.87            | 102.7 |
| 1019     | 11/21/2011 01:46:20 | 10.00  | 46.61           | 30.11        | 9.55            | 7.83 | 3.7               | 1.93            | 102.5 |
| 1020     | 11/21/2011 02:01:20 | 10.00  | 46.67           | 30.14        | 9.46            | 7.82 | 4.0               | 1.96            | 101.6 |
| 1021     | 11/21/2011 02:16:20 | 10.02  | 46.64           | 30.13        | 9.38            | 7.81 | 4.0               | 2.02            | 100.8 |
| 1022     | 11/21/2011 02:31:20 | 9.99   | 46.42           | 29.97        | 9.32            | 7.80 | 4.0               | 2.10            | 99.9  |
| 1023     | 11/21/2011 02:46:20 | 10.00  | 46.54           | 30.05        | 9.26            | 7.80 | 4.0               | 2.16            | 99.5  |
| 1024     | 11/21/2011 03:01:20 | 10.00  | 46.55           | 30.06        | 9.19            | 7.79 | 4.3               | 2.26            | 98.7  |
| 1025     | 11/21/2011 03:16:20 | 10.00  | 46.51           | 30.03        | 9.15            | 7.79 | 4.3               | 2.33            | 98.2  |
| 1026     | 11/21/2011 03:31:20 | 10.02  | 46.55           | 30.06        | 9.13            | 7.78 | 4.1               | 2.40            | 98.0  |
| 1027     | 11/21/2011 03:46:20 | 10.04  | 46.69           | 30.16        | 9.09            | 7.78 | 4.4               | 2.49            | 97.7  |
| 1028     | 11/21/2011 04:01:20 | 10.07  | 47.02           | 30.40        | 9.03            | 7.77 | 4.6               | 2.57            | 97.3  |
| 1029     | 11/21/2011 04:16:20 | 10.07  | 47.09           | 30.45        | 9.03            | 7.77 | 4.5               | 2.63            | 97.4  |
| 1030     | 11/21/2011 04:31:20 | 10.08  | 47.11           | 30.46        | 9.04            | 7.77 | 4.6               | 2.72            | 97.5  |
| 1031     | 11/21/2011 04:46:20 | 10.09  | 47.19           | 30.52        | 9.06            | 7.77 | 5.2               | 2.81            | 97.7  |
| 1032     | 11/21/2011 05:01:20 | 10.09  | 47.18           | 30.52        | 9.07            | 7.77 | 6.3               | 2.90            | 97.9  |
| 1033     | 11/21/2011 05:16:20 | 10.10  | 47.33           | 30.62        | 9.09            | 7.76 | 6.7               | 2.98            | 98.1  |
| 1034     | 11/21/2011 05:31:20 | 10.10  | 47.35           | 30.64        | 9.09            | 7.76 | 6.5               | 3.08            | 98.2  |
| 1035     | 11/21/2011 05:46:20 | 10.10  | 47.43           | 30.69        | 9.12            | 7.76 | 7.6               | 3.17            | 98.6  |
| 1036     | 11/21/2011 06:01:20 | 10.10  | 47.56           | 30.79        | 9.17            | 7.76 | 8.4               | 3.27            | 99.1  |
| 1037     | 11/21/2011 06:16:20 | 10.09  | 47.61           | 30.83        | 9.20            | 7.76 | 8.7               | 3.36            | 99.5  |
| 1038     | 11/21/2011 06:31:20 | 10.09  | 47.79           | 30.96        | 9.24            | 7.75 | 8.0               | 3.45            | 100.0 |
| 1039     | 11/21/2011 06:46:20 | 10.08  | 47.82           | 30.98        | 9.26            | 7.76 | 7.6               | 3.54            | 100.1 |
| 1040     | 11/21/2011 07:01:20 | 10.08  | 47.88           | 31.01        | 9.24            | 7.76 | 7.3               | 3.62            | 100.0 |
| 1041     | 11/21/2011 07:16:20 | 10.08  | 47.96           | 31.07        | 9.22            | 7.76 | 5.6               | 3.68            | 99.8  |
| 1042     | 11/21/2011 07:31:20 | 10.08  | 47.91           | 31.04        | 9.21            | 7.76 | 4.3               | 3.74            | 99.6  |
| 1043     | 11/21/2011 07:46:20 | 10.08  | 47.95           | 31.07        | 9.14            | 7.76 | 3.8               | 3.79            | 98.9  |
| 1044     | 11/21/2011 08:01:20 | 10.09  | 48.01           | 31.11        | 9.08            | 7.76 | 3.3               | 3.81            | 98.4  |
| 1045     | 11/21/2011 08:16:20 | 10.07  | 47.86           | 31.01        | 9.00            | 7.75 | 3.4               | 3.81            | 97.3  |
| 1046     | 11/21/2011 08:31:20 | 10.09  | 47.93           | 31.06        | 9.08            | 7.75 | 4.0               | 3.79            | 98.3  |
| 1047     | 11/21/2011 08:46:20 | 10.08  | 47.95           | 31.07        | 9.09            | 7.75 | 5.1               | 3.74            | 98.3  |
| 1048     | 11/21/2011 09:01:20 | 10.08  | 47.87           | 31.01        | 9.10            | 7.75 | 4.4               | 3.68            | 98.5  |
| 1049     | 11/21/2011 09:16:20 | 10.05  | 47.59           | 30.81        | 9.06            | 7.75 | 5.0               | 3.60            | 97.8  |
| 1050     | 11/21/2011 09:31:20 | 10.08  | 47.68           | 30.88        | 9.18            | 7.76 | 4.2               | 3.51            | 99.3  |
| 1051     | 11/21/2011 09:46:20 | 10.09  | 47.69           | 30.88        | 9.24            | 7.76 | 4.8               | 3.41            | 99.9  |
| 1052     | 11/21/2011 10:01:20 | 10.06  | 47.50           | 30.75        | 9.13            | 7.75 | 4.7               | 3.31            | 98.6  |
| 1053     | 11/21/2011 10:16:20 | 10.06  | 47.44           | 30.70        | 9.09            | 7.75 | 5.0               | 3.19            | 98.1  |
| 1054     | 11/21/2011 10:31:20 | 10.06  | 47.35           | 30.64        | 9.12            | 7.76 | 5.3               | 3.08            | 98.4  |
| 1055     | 11/21/2011 10:46:20 | 10.07  | 47.35           | 30.63        | 9.14            | 7.76 | 4.8               | 2.97            | 98.6  |
| 1056     | 11/21/2011 11:01:20 | 10.09  | 47.34           | 30.63        | 9.17            | 7.76 | 5.0               | 2.84            | 99.0  |
| 1057     | 11/21/2011 11:16:20 | 10.09  | 47.27           | 30.58        | 9.24            | 7.77 | 6.8               | 2.74            | 99.7  |
| 1058     | 11/21/2011 11:31:20 | 10.15  | 47.36           | 30.65        | 9.42            | 7.78 | 6.1               | 2.62            | 101.9 |
| 1059     | 11/21/2011 11:46:20 | 10.20  | 47.44           | 30.71        | 9.46            | 7.78 | 8.1               | 2.50            | 102.4 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1060     | 11/21/2011 12:01:20 | 10.23  | 47.32  | 30.63        | 9.50    | 7.79 | 9.4        | 2.39            | 102.9 |
| 1061     | 11/21/2011 12:16:20 | 10.29  | 47.21  | 30.55        | 9.55    | 7.80 | 10.3       | 2.26            | 103.5 |
| 1062     | 11/21/2011 12:31:20 | 10.30  | 47.11  | 30.48        | 9.61    | 7.81 | 10.1       | 2.15            | 104.1 |
| 1063     | 11/21/2011 12:46:20 | 10.35  | 47.14  | 30.50        | 9.64    | 7.81 | 10.5       | 2.03            | 104.6 |
| 1064     | 11/21/2011 13:01:20 | 10.32  | 47.01  | 30.41        | 9.67    | 7.82 | 10.6       | 1.91            | 104.7 |
| 1065     | 11/21/2011 13:16:20 | 10.29  | 46.84  | 30.28        | 9.66    | 7.83 | 9.7        | 1.82            | 104.6 |
| 1066     | 11/21/2011 13:31:20 | 10.27  | 46.73  | 30.20        | 9.67    | 7.83 | 10.1       | 1.73            | 104.5 |
| 1067     | 11/21/2011 13:46:20 | 10.25  | 46.67  | 30.16        | 9.65    | 7.83 | 9.4        | 1.66            | 104.3 |
| 1068     | 11/21/2011 14:01:20 | 10.25  | 46.68  | 30.17        | 9.67    | 7.84 | 9.9        | 1.59            | 104.4 |
| 1069     | 11/21/2011 14:16:20 | 10.23  | 46.54  | 30.07        | 9.64    | 7.84 | 9.3        | 1.57            | 104.0 |
| 1070     | 11/21/2011 14:31:20 | 10.23  | 46.60  | 30.11        | 9.57    | 7.84 | 7.4        | 1.54            | 103.3 |
| 1071     | 11/21/2011 14:46:20 | 10.24  | 46.63  | 30.13        | 9.66    | 7.84 | 7.9        | 1.55            | 104.3 |
| 1072     | 11/21/2011 15:01:20 | 10.24  | 46.64  | 30.14        | 9.68    | 7.83 | 7.7        | 1.60            | 104.5 |
| 1073     | 11/21/2011 15:16:20 | 10.23  | 46.68  | 30.17        | 9.65    | 7.83 | 7.3        | 1.64            | 104.2 |
| 1074     | 11/21/2011 15:31:20 | 10.21  | 46.68  | 30.17        | 9.62    | 7.82 | 6.8        | 1.69            | 103.8 |
| 1075     | 11/21/2011 15:46:20 | 10.18  | 46.27  | 29.87        | 9.58    | 7.82 | 8.0        | 1.78            | 103.1 |
| 1076     | 11/21/2011 16:01:20 | 10.17  | 46.11  | 29.76        | 9.55    | 7.81 | 6.5        | 1.86            | 102.7 |
| 1077     | 11/21/2011 16:16:20 | 10.17  | 46.03  | 29.70        | 9.52    | 7.81 | 6.7        | 1.94            | 102.4 |
| 1078     | 11/21/2011 16:31:20 | 10.15  | 46.02  | 29.69        | 9.48    | 7.80 | 6.2        | 2.01            | 101.9 |
| 1079     | 11/21/2011 16:46:20 | 10.13  | 46.10  | 29.74        | 9.45    | 7.80 | 6.6        | 2.10            | 101.5 |
| 1080     | 11/21/2011 17:01:20 | 10.14  | 46.27  | 29.87        | 9.42    | 7.79 | 6.0        | 2.18            | 101.4 |
| 1081     | 11/21/2011 17:16:20 | 10.15  | 46.62  | 30.12        | 9.34    | 7.79 | 5.7        | 2.26            | 100.7 |
| 1082     | 11/21/2011 17:31:20 | 10.14  | 46.79  | 30.24        | 9.27    | 7.78 | 5.1        | 2.34            | 99.9  |
| 1083     | 11/21/2011 17:46:20 | 10.13  | 46.86  | 30.29        | 9.25    | 7.77 | 5.2        | 2.42            | 99.8  |
| 1084     | 11/21/2011 18:01:20 | 10.13  | 46.91  | 30.32        | 9.22    | 7.77 | 5.5        | 2.50            | 99.4  |
| 1085     | 11/21/2011 18:16:20 | 10.12  | 46.97  | 30.36        | 9.19    | 7.77 | 5.7        | 2.57            | 99.2  |
| 1086     | 11/21/2011 18:31:20 | 10.11  | 47.05  | 30.42        | 9.18    | 7.77 | 5.6        | 2.65            | 99.0  |
| 1087     | 11/21/2011 18:46:20 | 10.11  | 47.09  | 30.45        | 9.17    | 7.77 | 6.3        | 2.73            | 98.9  |
| 1088     | 11/21/2011 19:01:20 | 10.11  | 47.09  | 30.45        | 9.17    | 7.76 | 5.9        | 2.78            | 99.0  |
| 1089     | 11/21/2011 19:16:20 | 10.12  | 47.19  | 30.53        | 9.16    | 7.76 | 5.9        | 2.86            | 98.9  |
| 1090     | 11/21/2011 19:31:20 | 10.13  | 47.18  | 30.52        | 9.17    | 7.76 | 6.1        | 2.92            | 99.0  |
| 1091     | 11/21/2011 19:46:20 | 10.14  | 47.31  | 30.61        | 9.17    | 7.76 | 6.4        | 2.97            | 99.1  |
| 1092     | 11/21/2011 20:01:20 | 10.15  | 47.43  | 30.70        | 9.19    | 7.76 | 5.9        | 3.05            | 99.3  |
| 1093     | 11/21/2011 20:16:20 | 10.16  | 47.52  | 30.76        | 9.22    | 7.76 | 5.5        | 3.10            | 99.8  |
| 1094     | 11/21/2011 20:31:20 | 10.16  | 47.52  | 30.77        | 9.23    | 7.76 | 5.2        | 3.14            | 99.9  |
| 1095     | 11/21/2011 20:46:20 | 10.17  | 47.63  | 30.84        | 9.23    | 7.76 | 4.6        | 3.18            | 99.9  |
| 1096     | 11/21/2011 21:01:20 | 10.18  | 47.62  | 30.84        | 9.18    | 7.75 | 4.3        | 3.20            | 99.5  |
| 1097     | 11/21/2011 21:16:20 | 10.18  | 47.64  | 30.85        | 9.13    | 7.75 | 3.8        | 3.20            | 98.9  |
| 1098     | 11/21/2011 21:31:20 | 10.19  | 47.67  | 30.88        | 9.11    | 7.76 | 3.4        | 3.19            | 98.7  |
| 1099     | 11/21/2011 21:46:20 | 10.15  | 47.36  | 30.65        | 9.17    | 7.75 | 5.4        | 3.17            | 99.1  |
| 1100     | 11/21/2011 22:01:20 | 10.13  | 47.28  | 30.59        | 9.16    | 7.75 | 8.9        | 3.12            | 99.0  |
| 1101     | 11/21/2011 22:16:20 | 10.12  | 47.35  | 30.64        | 9.18    | 7.75 | 8.5        | 3.05            | 99.2  |
| 1102     | 11/21/2011 22:31:20 | 10.10  | 47.31  | 30.61        | 9.17    | 7.76 | 8.9        | 3.00            | 99.0  |
| 1103     | 11/21/2011 22:46:20 | 10.09  | 47.19  | 30.52        | 9.18    | 7.75 | 11.8       | 2.90            | 99.0  |
| 1104     | 11/21/2011 23:01:20 | 10.09  | 47.24  | 30.56        | 9.18    | 7.76 | 12.0       | 2.81            | 99.0  |
| 1105     | 11/21/2011 23:16:20 | 10.09  | 47.24  | 30.56        | 9.18    | 7.76 | 12.5       | 2.73            | 99.1  |
| 1106     | 11/21/2011 23:31:20 | 10.08  | 47.18  | 30.52        | 9.18    | 7.75 | 15.1       | 2.64            | 99.1  |
| 1107     | 11/21/2011 23:46:20 | 10.07  | 47.12  | 30.47        | 9.17    | 7.76 | 17.4       | 2.57            | 98.9  |
| 1108     | 11/22/2011 00:01:20 | 10.07  | 47.04  | 30.41        | 9.18    | 7.76 | 22.2       | 2.48            | 98.9  |
| 1109     | 11/22/2011 00:16:20 | 10.06  | 46.99  | 30.38        | 9.18    | 7.76 | 25.4       | 2.40            | 98.9  |
| 1110     | 11/22/2011 00:31:20 | 10.05  | 47.00  | 30.39        | 9.17    | 7.75 | 27.3       | 2.34            | 98.8  |
| 1111     | 11/22/2011 00:46:20 | 10.05  | 46.93  | 30.34        | 9.18    | 7.75 | 28.5       | 2.28            | 98.9  |
| 1112     | 11/22/2011 01:01:20 | 10.05  | 46.89  | 30.31        | 9.18    | 7.75 | 26.4       | 2.22            | 98.8  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1113     | 11/22/2011 01:16:20 | 10.04  | 46.79           | 30.24        | 9.19            | 7.76 | 24.8              | 2.16            | 98.8  |
| 1114     | 11/22/2011 01:31:20 | 10.04  | 46.74           | 30.20        | 9.16            | 7.76 | 23.3              | 2.11            | 98.6  |
| 1115     | 11/22/2011 01:46:20 | 10.04  | 46.71           | 30.18        | 9.14            | 7.76 | 18.6              | 2.10            | 98.3  |
| 1116     | 11/22/2011 02:01:20 | 10.04  | 46.71           | 30.17        | 9.09            | 7.76 | 20.0              | 2.06            | 97.8  |
| 1117     | 11/22/2011 02:16:20 | 10.04  | 46.72           | 30.18        | 9.19            | 7.76 | 19.7              | 2.06            | 98.8  |
| 1118     | 11/22/2011 02:31:20 | 10.04  | 46.76           | 30.21        | 9.25            | 7.76 | 17.8              | 2.09            | 99.5  |
| 1119     | 11/22/2011 02:46:20 | 10.04  | 46.79           | 30.23        | 9.24            | 7.76 | 17.4              | 2.11            | 99.4  |
| 1120     | 11/22/2011 03:01:20 | 10.05  | 46.85           | 30.28        | 9.24            | 7.75 | 16.2              | 2.16            | 99.4  |
| 1121     | 11/22/2011 03:16:20 | 10.05  | 46.87           | 30.29        | 9.22            | 7.75 | 15.3              | 2.21            | 99.3  |
| 1122     | 11/22/2011 03:31:20 | 10.05  | 46.89           | 30.31        | 9.21            | 7.75 | 14.5              | 2.29            | 99.1  |
| 1123     | 11/22/2011 03:46:20 | 10.06  | 46.93           | 30.33        | 9.22            | 7.75 | 13.7              | 2.35            | 99.2  |
| 1124     | 11/22/2011 04:01:20 | 10.06  | 46.96           | 30.36        | 9.22            | 7.75 | 13.4              | 2.44            | 99.3  |
| 1125     | 11/22/2011 04:16:20 | 10.07  | 47.10           | 30.46        | 9.20            | 7.75 | 12.8              | 2.52            | 99.1  |
| 1126     | 11/22/2011 04:31:20 | 10.09  | 47.15           | 30.49        | 9.19            | 7.75 | 11.2              | 2.60            | 99.1  |
| 1127     | 11/22/2011 04:46:20 | 10.10  | 47.16           | 30.50        | 9.18            | 7.75 | 10.5              | 2.68            | 99.1  |
| 1128     | 11/22/2011 05:01:20 | 10.10  | 47.14           | 30.49        | 9.19            | 7.75 | 12.0              | 2.77            | 99.1  |
| 1129     | 11/22/2011 05:16:20 | 10.09  | 47.09           | 30.45        | 9.20            | 7.75 | 13.6              | 2.87            | 99.2  |
| 1130     | 11/22/2011 05:31:20 | 10.10  | 47.13           | 30.48        | 9.19            | 7.75 | 12.8              | 2.95            | 99.1  |
| 1131     | 11/22/2011 05:46:20 | 10.11  | 47.26           | 30.57        | 9.17            | 7.75 | 12.3              | 3.05            | 99.0  |
| 1132     | 11/22/2011 06:01:20 | 10.12  | 47.35           | 30.64        | 9.15            | 7.75 | 14.2              | 3.15            | 98.9  |
| 1133     | 11/22/2011 06:16:20 | 10.15  | 47.45           | 30.71        | 9.16            | 7.75 | 15.7              | 3.25            | 99.1  |
| 1134     | 11/22/2011 06:31:20 | 10.20  | 47.69           | 30.89        | 9.18            | 7.75 | 16.9              | 3.35            | 99.6  |
| 1135     | 11/22/2011 06:46:20 | 10.25  | 47.75           | 30.93        | 9.22            | 7.75 | 12.0              | 3.46            | 100.1 |
| 1136     | 11/22/2011 07:01:20 | 10.30  | 47.95           | 31.08        | 9.24            | 7.76 | 11.6              | 3.57            | 100.5 |
| 1137     | 11/22/2011 07:16:20 | 10.33  | 48.04           | 31.15        | 9.24            | 7.76 | 8.8               | 3.66            | 100.6 |
| 1138     | 11/22/2011 07:31:20 | 10.36  | 48.04           | 31.15        | 9.24            | 7.76 | 7.5               | 3.75            | 100.7 |
| 1139     | 11/22/2011 07:46:20 | 10.39  | 48.09           | 31.19        | 9.22            | 7.77 | 6.5               | 3.83            | 100.6 |
| 1140     | 11/22/2011 08:01:20 | 10.41  | 48.09           | 31.19        | 9.21            | 7.77 | 5.1               | 3.89            | 100.5 |
| 1141     | 11/22/2011 08:16:20 | 10.43  | 48.06           | 31.17        | 9.19            | 7.77 | 4.3               | 3.96            | 100.3 |
| 1142     | 11/22/2011 08:31:20 | 10.47  | 48.01           | 31.14        | 9.15            | 7.77 | 3.7               | 3.99            | 99.9  |
| 1143     | 11/22/2011 08:46:20 | 10.45  | 47.97           | 31.10        | 9.05            | 7.77 | 3.8               | 4.02            | 98.8  |
| 1144     | 11/22/2011 09:01:20 | 10.46  | 47.93           | 31.08        | 9.06            | 7.77 | 3.6               | 4.03            | 98.9  |
| 1145     | 11/22/2011 09:16:20 | 10.42  | 48.00           | 31.13        | 9.08            | 7.77 | 4.4               | 4.00            | 99.0  |
| 1146     | 11/22/2011 09:31:20 | 10.38  | 47.88           | 31.04        | 9.10            | 7.76 | 4.9               | 3.96            | 99.1  |
| 1147     | 11/22/2011 09:46:20 | 10.36  | 47.88           | 31.04        | 9.12            | 7.76 | 5.2               | 3.89            | 99.3  |
| 1148     | 11/22/2011 10:01:20 | 10.35  | 47.70           | 30.91        | 9.15            | 7.75 | 7.5               | 3.82            | 99.5  |
| 1149     | 11/22/2011 10:16:20 | 10.39  | 47.66           | 30.88        | 9.22            | 7.76 | 5.9               | 3.70            | 100.4 |
| 1150     | 11/22/2011 10:31:20 | 10.36  | 47.61           | 30.84        | 9.17            | 7.75 | 7.1               | 3.58            | 99.7  |
| 1151     | 11/22/2011 10:46:20 | 10.37  | 47.62           | 30.85        | 9.17            | 7.76 | 8.0               | 3.47            | 99.8  |
| 1152     | 11/22/2011 11:01:20 | 10.37  | 47.70           | 30.91        | 9.22            | 7.76 | 8.4               | 3.33            | 100.3 |
| 1153     | 11/22/2011 11:16:20 | 10.37  | 47.66           | 30.88        | 9.22            | 7.76 | 7.5               | 3.21            | 100.3 |
| 1154     | 11/22/2011 11:31:20 | 10.38  | 47.57           | 30.81        | 9.21            | 7.76 | 7.1               | 3.08            | 100.1 |
| 1155     | 11/22/2011 11:46:20 | 10.36  | 47.41           | 30.70        | 9.21            | 7.75 | 8.1               | 2.96            | 100.0 |
| 1156     | 11/22/2011 12:01:20 | 10.39  | 47.20           | 30.55        | 9.22            | 7.75 | 9.2               | 2.83            | 100.1 |
| 1157     | 11/22/2011 12:16:20 | 10.41  | 47.38           | 30.68        | 9.26            | 7.76 | 9.6               | 2.69            | 100.7 |
| 1158     | 11/22/2011 12:31:20 | 10.50  | 47.41           | 30.71        | 9.37            | 7.77 | 9.9               | 2.56            | 102.1 |
| 1159     | 11/22/2011 12:46:20 | 10.55  | 47.54           | 30.80        | 9.34            | 7.77 | 11.8              | 2.42            | 102.0 |
| 1160     | 11/22/2011 13:01:20 | 10.55  | 47.28           | 30.61        | 9.33            | 7.76 | 15.7              | 2.28            | 101.7 |
| 1161     | 11/22/2011 13:16:20 | 10.55  | 46.90           | 30.34        | 9.36            | 7.76 | 17.6              | 2.13            | 101.9 |
| 1162     | 11/22/2011 13:31:20 | 10.62  | 46.84           | 30.30        | 9.33            | 7.77 | 20.3              | 2.01            | 101.7 |
| 1163     | 11/22/2011 13:46:20 | 10.70  | 46.70           | 30.21        | 9.39            | 7.78 | 21.6              | 1.87            | 102.4 |
| 1164     | 11/22/2011 14:01:20 | 10.69  | 46.52           | 30.08        | 9.38            | 7.77 | 25.5              | 1.73            | 102.2 |
| 1165     | 11/22/2011 14:16:20 | 10.70  | 46.38           | 29.98        | 9.29            | 7.77 | 28.0              | 1.63            | 101.2 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1166     | 11/22/2011 14:31:20 | 10.70  | 46.38           | 29.97        | 9.23            | 7.77 | 29.5              | 1.51            | 100.6 |
| 1167     | 11/22/2011 14:46:20 | 10.71  | 46.25           | 29.89        | 9.23            | 7.77 | 28.5              | 1.43            | 100.6 |
| 1168     | 11/22/2011 15:01:20 | 10.74  | 46.31           | 29.93        | 9.22            | 7.77 | 28.7              | 1.34            | 100.5 |
| 1169     | 11/22/2011 15:16:20 | 10.76  | 46.29           | 29.92        | 9.19            | 7.77 | 25.0              | 1.32            | 100.2 |
| 1170     | 11/22/2011 15:31:20 | 10.77  | 46.25           | 29.89        | 9.22            | 7.77 | 26.3              | 1.32            | 100.6 |
| 1171     | 11/22/2011 15:46:20 | 10.77  | 46.29           | 29.92        | 9.27            | 7.77 | 22.3              | 1.35            | 101.1 |
| 1172     | 11/22/2011 16:01:20 | 10.73  | 46.31           | 29.93        | 9.26            | 7.76 | 20.3              | 1.42            | 100.9 |
| 1173     | 11/22/2011 16:16:20 | 10.68  | 46.33           | 29.94        | 9.25            | 7.76 | 19.1              | 1.49            | 100.7 |
| 1174     | 11/22/2011 16:31:20 | 10.70  | 45.87           | 29.61        | 9.27            | 7.75 | 19.9              | 1.56            | 100.8 |
| 1175     | 11/22/2011 16:46:20 | 10.68  | 45.65           | 29.46        | 9.27            | 7.75 | 15.7              | 1.66            | 100.6 |
| 1176     | 11/22/2011 17:01:20 | 10.74  | 45.16           | 29.11        | 9.31            | 7.75 | 14.4              | 1.77            | 100.9 |
| 1177     | 11/22/2011 17:16:20 | 10.69  | 45.47           | 29.33        | 9.30            | 7.75 | 17.4              | 1.86            | 100.9 |
| 1178     | 11/22/2011 17:31:20 | 10.66  | 45.68           | 29.47        | 9.27            | 7.75 | 15.6              | 1.95            | 100.6 |
| 1179     | 11/22/2011 17:46:20 | 10.63  | 45.97           | 29.68        | 9.24            | 7.74 | 12.4              | 2.05            | 100.3 |
| 1180     | 11/22/2011 18:01:20 | 10.56  | 46.41           | 29.99        | 9.20            | 7.74 | 12.0              | 2.13            | 99.9  |
| 1181     | 11/22/2011 18:16:20 | 10.52  | 46.49           | 30.04        | 9.20            | 7.74 | 12.5              | 2.23            | 99.9  |
| 1182     | 11/22/2011 18:31:20 | 10.51  | 46.67           | 30.17        | 9.18            | 7.74 | 13.3              | 2.32            | 99.8  |
| 1183     | 11/22/2011 18:46:20 | 10.51  | 46.53           | 30.08        | 9.16            | 7.74 | 15.1              | 2.41            | 99.5  |
| 1184     | 11/22/2011 19:01:20 | 10.49  | 46.69           | 30.19        | 9.15            | 7.74 | 15.6              | 2.51            | 99.3  |
| 1185     | 11/22/2011 19:16:20 | 10.47  | 46.81           | 30.27        | 9.15            | 7.74 | 15.6              | 2.60            | 99.4  |
| 1186     | 11/22/2011 19:31:20 | 10.46  | 46.86           | 30.30        | 9.17            | 7.74 | 16.4              | 2.69            | 99.6  |
| 1187     | 11/22/2011 19:46:20 | 10.46  | 46.96           | 30.38        | 9.17            | 7.74 | 17.6              | 2.77            | 99.6  |
| 1188     | 11/22/2011 20:01:20 | 10.47  | 47.07           | 30.46        | 9.17            | 7.74 | 17.1              | 2.85            | 99.7  |
| 1189     | 11/22/2011 20:16:20 | 10.47  | 47.18           | 30.54        | 9.19            | 7.75 | 18.2              | 2.95            | 99.9  |
| 1190     | 11/22/2011 20:31:20 | 10.50  | 47.31           | 30.63        | 9.26            | 7.75 | 17.4              | 3.03            | 100.8 |
| 1191     | 11/22/2011 20:46:20 | 10.54  | 47.42           | 30.71        | 9.31            | 7.75 | 16.3              | 3.10            | 101.5 |
| 1192     | 11/22/2011 21:01:20 | 10.57  | 47.49           | 30.77        | 9.33            | 7.75 | 14.9              | 3.18            | 101.9 |
| 1193     | 11/22/2011 21:16:20 | 10.64  | 47.58           | 30.84        | 9.34            | 7.76 | 11.7              | 3.26            | 102.2 |
| 1194     | 11/22/2011 21:31:20 | 10.67  | 47.61           | 30.86        | 9.33            | 7.76 | 10.1              | 3.30            | 102.2 |
| 1195     | 11/22/2011 21:46:20 | 10.73  | 47.65           | 30.89        | 9.32            | 7.77 | 7.8               | 3.34            | 102.2 |
| 1196     | 11/22/2011 22:01:20 | 10.71  | 47.59           | 30.84        | 9.21            | 7.77 | 6.8               | 3.38            | 101.0 |
| 1197     | 11/22/2011 22:16:20 | 10.70  | 47.55           | 30.82        | 9.11            | 7.77 | 5.4               | 3.38            | 99.7  |
| 1198     | 11/22/2011 22:31:20 | 10.68  | 47.56           | 30.83        | 9.12            | 7.76 | 5.8               | 3.40            | 99.8  |
| 1199     | 11/22/2011 22:46:20 | 10.67  | 47.48           | 30.76        | 9.09            | 7.76 | 6.0               | 3.36            | 99.5  |
| 1200     | 11/22/2011 23:01:20 | 10.71  | 47.59           | 30.84        | 9.18            | 7.77 | 6.6               | 3.30            | 100.6 |
| 1201     | 11/22/2011 23:16:20 | 10.64  | 47.41           | 30.71        | 9.20            | 7.75 | 9.7               | 3.25            | 100.5 |
| 1202     | 11/22/2011 23:31:20 | 10.69  | 47.45           | 30.75        | 9.20            | 7.76 | 8.6               | 3.16            | 100.7 |
| 1203     | 11/22/2011 23:46:20 | 10.67  | 47.42           | 30.72        | 9.17            | 7.75 | 11.8              | 3.08            | 100.3 |
| 1204     | 11/23/2011 00:01:20 | 10.58  | 47.25           | 30.59        | 9.21            | 7.75 | 13.4              | 3.00            | 100.4 |
| 1205     | 11/23/2011 00:16:20 | 10.59  | 47.18           | 30.55        | 9.20            | 7.75 | 12.6              | 2.91            | 100.3 |
| 1206     | 11/23/2011 00:31:20 | 10.57  | 47.19           | 30.55        | 9.16            | 7.74 | 13.3              | 2.85            | 99.9  |
| 1207     | 11/23/2011 00:46:20 | 10.58  | 47.05           | 30.45        | 9.12            | 7.74 | 14.3              | 2.74            | 99.4  |
| 1208     | 11/23/2011 01:01:20 | 10.56  | 46.90           | 30.34        | 9.01            | 7.73 | 16.9              | 2.67            | 98.1  |
| 1209     | 11/23/2011 01:16:20 | 10.58  | 46.79           | 30.27        | 9.01            | 7.72 | 17.7              | 2.59            | 98.1  |
| 1210     | 11/23/2011 01:31:20 | 10.58  | 46.76           | 30.24        | 8.99            | 7.73 | 18.9              | 2.52            | 97.9  |
| 1211     | 11/23/2011 01:46:20 | 10.56  | 46.78           | 30.26        | 8.97            | 7.73 | 19.6              | 2.47            | 97.6  |
| 1212     | 11/23/2011 02:01:20 | 10.54  | 46.74           | 30.23        | 9.03            | 7.73 | 20.9              | 2.40            | 98.2  |
| 1213     | 11/23/2011 02:16:20 | 10.54  | 46.77           | 30.25        | 8.96            | 7.72 | 22.2              | 2.38            | 97.5  |
| 1214     | 11/23/2011 02:31:20 | 10.53  | 46.71           | 30.20        | 9.00            | 7.73 | 20.3              | 2.31            | 97.9  |
| 1215     | 11/23/2011 02:46:20 | 10.52  | 46.70           | 30.20        | 8.97            | 7.73 | 17.9              | 2.28            | 97.5  |
| 1216     | 11/23/2011 03:01:20 | 10.52  | 46.66           | 30.17        | 8.99            | 7.73 | 16.5              | 2.26            | 97.6  |
| 1217     | 11/23/2011 03:16:20 | 10.52  | 46.67           | 30.17        | 8.95            | 7.73 | 17.2              | 2.24            | 97.2  |
| 1218     | 11/23/2011 03:31:20 | 10.52  | 46.67           | 30.18        | 9.08            | 7.73 | 16.9              | 2.26            | 98.7  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1219     | 11/23/2011 03:46:20 | 10.52  | 46.75           | 30.23        | 9.04            | 7.73 | 16.4              | 2.27            | 98.3  |
| 1220     | 11/23/2011 04:01:20 | 10.52  | 46.76           | 30.24        | 9.07            | 7.73 | 15.7              | 2.34            | 98.6  |
| 1221     | 11/23/2011 04:16:20 | 10.52  | 46.70           | 30.20        | 9.08            | 7.73 | 15.6              | 2.39            | 98.7  |
| 1222     | 11/23/2011 04:31:20 | 10.52  | 46.89           | 30.34        | 9.08            | 7.73 | 15.9              | 2.45            | 98.7  |
| 1223     | 11/23/2011 04:46:20 | 10.53  | 46.94           | 30.37        | 9.09            | 7.73 | 14.3              | 2.52            | 98.9  |
| 1224     | 11/23/2011 05:01:20 | 10.53  | 46.97           | 30.39        | 9.10            | 7.74 | 13.4              | 2.59            | 99.1  |
| 1225     | 11/23/2011 05:16:20 | 10.54  | 47.10           | 30.48        | 9.13            | 7.74 | 12.9              | 2.69            | 99.4  |
| 1226     | 11/23/2011 05:31:20 | 10.55  | 47.24           | 30.59        | 9.17            | 7.74 | 12.5              | 2.77            | 99.9  |
| 1227     | 11/23/2011 05:46:20 | 10.56  | 47.19           | 30.55        | 9.18            | 7.74 | 13.5              | 2.85            | 100.1 |
| 1228     | 11/23/2011 06:01:20 | 10.55  | 47.15           | 30.52        | 9.17            | 7.74 | 15.2              | 2.95            | 100.0 |
| 1229     | 11/23/2011 06:16:20 | 10.59  | 47.22           | 30.57        | 9.20            | 7.75 | 15.7              | 3.06            | 100.4 |
| 1230     | 11/23/2011 06:31:20 | 10.64  | 47.39           | 30.70        | 9.16            | 7.75 | 16.6              | 3.15            | 100.1 |
| 1231     | 11/23/2011 06:46:20 | 10.70  | 47.47           | 30.76        | 9.17            | 7.76 | 16.0              | 3.28            | 100.4 |
| 1232     | 11/23/2011 07:01:20 | 10.79  | 47.64           | 30.89        | 9.17            | 7.77 | 18.8              | 3.40            | 100.7 |
| 1233     | 11/23/2011 07:16:20 | 10.86  | 47.73           | 30.96        | 9.19            | 7.78 | 16.5              | 3.47            | 101.0 |
| 1234     | 11/23/2011 07:31:20 | 10.93  | 47.84           | 31.04        | 9.21            | 7.79 | 15.2              | 3.60            | 101.5 |
| 1235     | 11/23/2011 07:46:20 | 10.96  | 47.89           | 31.08        | 9.24            | 7.79 | 13.4              | 3.71            | 101.9 |
| 1236     | 11/23/2011 08:01:20 | 10.97  | 47.88           | 31.07        | 9.24            | 7.79 | 11.0              | 3.81            | 102.0 |
| 1237     | 11/23/2011 08:16:20 | 11.00  | 47.93           | 31.11        | 9.25            | 7.80 | 9.6               | 3.92            | 102.2 |
| 1238     | 11/23/2011 08:31:20 | 11.01  | 47.91           | 31.09        | 9.23            | 7.80 | 7.9               | 4.00            | 102.0 |
| 1239     | 11/23/2011 08:46:20 | 11.02  | 47.92           | 31.10        | 9.22            | 7.80 | 6.6               | 4.07            | 101.9 |
| 1240     | 11/23/2011 09:01:20 | 11.03  | 47.90           | 31.09        | 9.22            | 7.80 | 5.1               | 4.13            | 101.8 |
| 1241     | 11/23/2011 09:16:20 | 10.89  | 47.54           | 30.82        | 9.12            | 7.78 | 7.1               | 4.17            | 100.3 |
| 1242     | 11/23/2011 09:31:20 | 10.91  | 47.60           | 30.87        | 9.05            | 7.77 | 5.1               | 4.21            | 99.6  |
| 1243     | 11/23/2011 09:46:20 | 10.93  | 47.74           | 30.97        | 9.06            | 7.78 | 5.3               | 4.21            | 99.8  |
| 1244     | 11/23/2011 10:01:20 | 10.90  | 47.72           | 30.95        | 9.09            | 7.78 | 7.0               | 4.18            | 100.1 |
| 1245     | 11/23/2011 10:16:20 | 10.98  | 47.76           | 30.98        | 9.19            | 7.79 | 5.9               | 4.12            | 101.4 |
| 1246     | 11/23/2011 10:31:20 | 11.00  | 47.80           | 31.01        | 9.21            | 7.79 | 5.1               | 4.07            | 101.6 |
| 1247     | 11/23/2011 10:46:20 | 10.87  | 47.66           | 30.91        | 9.12            | 7.77 | 7.2               | 3.95            | 100.3 |
| 1248     | 11/23/2011 11:01:20 | 10.93  | 47.68           | 30.93        | 9.16            | 7.78 | 8.4               | 3.84            | 100.9 |
| 1249     | 11/23/2011 11:16:20 | 10.93  | 47.64           | 30.89        | 9.19            | 7.78 | 6.7               | 3.73            | 101.2 |
| 1250     | 11/23/2011 11:31:20 | 10.87  | 47.63           | 30.88        | 9.14            | 7.77 | 9.7               | 3.60            | 100.6 |
| 1251     | 11/23/2011 11:46:20 | 10.93  | 47.69           | 30.93        | 9.19            | 7.78 | 9.2               | 3.50            | 101.3 |
| 1252     | 11/23/2011 12:01:20 | 10.91  | 47.61           | 30.87        | 9.18            | 7.78 | 9.3               | 3.36            | 101.0 |
| 1253     | 11/23/2011 12:16:20 | 10.90  | 47.57           | 30.84        | 9.16            | 7.77 | 8.2               | 3.21            | 100.8 |
| 1254     | 11/23/2011 12:31:20 | 10.86  | 47.51           | 30.80        | 9.14            | 7.76 | 10.2              | 3.10            | 100.4 |
| 1255     | 11/23/2011 12:46:20 | 10.89  | 47.51           | 30.80        | 9.15            | 7.77 | 8.9               | 2.95            | 100.7 |
| 1256     | 11/23/2011 13:01:20 | 10.94  | 47.52           | 30.81        | 9.16            | 7.77 | 17.8              | 2.79            | 100.8 |
| 1257     | 11/23/2011 13:16:20 | 10.93  | 47.45           | 30.76        | 9.14            | 7.77 | 10.4              | 2.67            | 100.6 |
| 1258     | 11/23/2011 13:31:20 | 10.90  | 47.27           | 30.63        | 9.10            | 7.77 | 11.9              | 2.52            | 100.0 |
| 1259     | 11/23/2011 13:46:20 | 10.81  | 46.97           | 30.41        | 9.12            | 7.76 | 11.3              | 2.36            | 99.8  |
| 1260     | 11/23/2011 14:01:20 | 10.76  | 46.89           | 30.35        | 9.09            | 7.75 | 13.1              | 2.21            | 99.4  |
| 1261     | 11/23/2011 14:16:20 | 10.71  | 46.61           | 30.14        | 9.05            | 7.74 | 15.4              | 2.07            | 98.7  |
| 1262     | 11/23/2011 14:31:20 | 10.69  | 46.41           | 30.00        | 9.05            | 7.74 | 18.4              | 1.93            | 98.6  |
| 1263     | 11/23/2011 14:46:20 | 10.70  | 46.30           | 29.92        | 9.01            | 7.73 | 25.3              | 1.80            | 98.1  |
| 1264     | 11/23/2011 15:01:20 | 10.71  | 46.26           | 29.89        | 8.99            | 7.73 | 28.6              | 1.63            | 97.9  |
| 1265     | 11/23/2011 15:16:20 | 10.70  | 46.24           | 29.88        | 8.97            | 7.73 | 31.3              | 1.50            | 97.7  |
| 1266     | 11/23/2011 15:31:20 | 10.66  | 46.32           | 29.93        | 8.99            | 7.73 | 34.6              | 1.40            | 97.9  |
| 1267     | 11/23/2011 15:46:20 | 10.65  | 46.26           | 29.89        | 9.01            | 7.73 | 34.4              | 1.29            | 98.0  |
| 1268     | 11/23/2011 16:01:20 | 10.65  | 46.00           | 29.70        | 9.00            | 7.72 | 30.5              | 1.20            | 97.8  |
| 1269     | 11/23/2011 16:16:20 | 10.69  | 45.85           | 29.60        | 8.92            | 7.72 | 21.7              | 1.18            | 96.9  |
| 1270     | 11/23/2011 16:31:20 | 10.65  | 45.92           | 29.65        | 9.00            | 7.73 | 20.5              | 1.16            | 97.8  |
| 1271     | 11/23/2011 16:46:20 | 10.68  | 45.96           | 29.68        | 9.02            | 7.72 | 18.6              | 1.19            | 98.0  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1272     | 11/23/2011 17:01:20 | 10.70  | 45.94  | 29.66        | 9.01    | 7.72 | 18.4       | 1.29            | 97.9  |
| 1273     | 11/23/2011 17:16:20 | 10.71  | 45.81  | 29.57        | 8.99    | 7.72 | 18.9       | 1.33            | 97.7  |
| 1274     | 11/23/2011 17:31:20 | 10.71  | 45.85  | 29.60        | 8.99    | 7.72 | 17.8       | 1.44            | 97.7  |
| 1275     | 11/23/2011 17:46:20 | 10.74  | 45.43  | 29.30        | 8.98    | 7.72 | 19.7       | 1.56            | 97.5  |
| 1276     | 11/23/2011 18:01:20 | 10.73  | 45.40  | 29.28        | 8.98    | 7.72 | 18.5       | 1.65            | 97.4  |
| 1277     | 11/23/2011 18:16:20 | 10.75  | 45.26  | 29.18        | 8.98    | 7.72 | 16.7       | 1.78            | 97.5  |
| 1278     | 11/23/2011 18:31:20 | 10.76  | 45.35  | 29.24        | 8.97    | 7.72 | 17.6       | 1.89            | 97.4  |
| 1279     | 11/23/2011 18:46:20 | 10.76  | 45.36  | 29.25        | 8.96    | 7.72 | 16.7       | 1.98            | 97.3  |
| 1280     | 11/23/2011 19:01:20 | 10.76  | 45.71  | 29.50        | 8.94    | 7.72 | 16.7       | 2.10            | 97.3  |
| 1281     | 11/23/2011 19:16:20 | 10.73  | 45.75  | 29.53        | 8.96    | 7.72 | 16.1       | 2.22            | 97.4  |
| 1282     | 11/23/2011 19:31:20 | 10.69  | 45.77  | 29.54        | 9.01    | 7.72 | 16.0       | 2.31            | 97.9  |
| 1283     | 11/23/2011 19:46:20 | 10.69  | 46.05  | 29.74        | 9.01    | 7.72 | 16.5       | 2.42            | 98.0  |
| 1284     | 11/23/2011 20:01:20 | 10.68  | 45.93  | 29.66        | 9.00    | 7.72 | 17.5       | 2.51            | 97.9  |
| 1285     | 11/23/2011 20:16:20 | 10.68  | 46.02  | 29.72        | 9.01    | 7.72 | 17.6       | 2.60            | 98.0  |
| 1286     | 11/23/2011 20:31:20 | 10.70  | 46.27  | 29.90        | 9.02    | 7.73 | 20.0       | 2.70            | 98.2  |
| 1287     | 11/23/2011 20:46:20 | 10.71  | 46.39  | 29.99        | 9.02    | 7.73 | 20.8       | 2.79            | 98.3  |
| 1288     | 11/23/2011 21:01:20 | 10.72  | 46.47  | 30.04        | 9.03    | 7.73 | 24.3       | 2.90            | 98.5  |
| 1289     | 11/23/2011 21:16:20 | 10.74  | 46.59  | 30.13        | 9.06    | 7.74 | 25.1       | 2.99            | 98.9  |
| 1290     | 11/23/2011 21:31:20 | 10.77  | 46.82  | 30.30        | 9.13    | 7.75 | 22.5       | 3.06            | 99.8  |
| 1291     | 11/23/2011 21:46:20 | 10.79  | 46.97  | 30.41        | 9.15    | 7.75 | 21.5       | 3.14            | 100.2 |
| 1292     | 11/23/2011 22:01:20 | 10.83  | 47.09  | 30.50        | 9.17    | 7.76 | 17.6       | 3.24            | 100.6 |
| 1293     | 11/23/2011 22:16:20 | 10.85  | 47.15  | 30.54        | 9.18    | 7.76 | 27.0       | 3.31            | 100.7 |
| 1294     | 11/23/2011 22:31:20 | 10.86  | 47.12  | 30.52        | 9.17    | 7.76 | 11.4       | 3.36            | 100.6 |
| 1295     | 11/23/2011 22:46:20 | 10.88  | 47.17  | 30.55        | 9.15    | 7.76 | 9.4        | 3.41            | 100.4 |
| 1296     | 11/23/2011 23:01:20 | 10.88  | 47.07  | 30.48        | 9.08    | 7.76 | 7.5        | 3.44            | 99.6  |
| 1297     | 11/23/2011 23:16:20 | 10.82  | 47.01  | 30.44        | 8.95    | 7.75 | 7.3        | 3.43            | 98.1  |
| 1298     | 11/23/2011 23:31:20 | 10.89  | 47.12  | 30.52        | 9.09    | 7.76 | 8.6        | 3.41            | 99.8  |
| 1299     | 11/23/2011 23:46:20 | 10.88  | 47.05  | 30.46        | 9.08    | 7.76 | 10.6       | 3.38            | 99.6  |
| 1300     | 11/24/2011 00:01:20 | 10.74  | 46.74  | 30.24        | 9.01    | 7.75 | 14.8       | 3.32            | 98.4  |
| 1301     | 11/24/2011 00:16:20 | 10.66  | 46.62  | 30.15        | 8.84    | 7.72 | 13.5       | 3.24            | 96.4  |
| 1302     | 11/24/2011 00:31:20 | 10.66  | 46.70  | 30.20        | 8.95    | 7.74 | 12.0       | 3.15            | 97.6  |
| 1303     | 11/24/2011 00:46:20 | 10.70  | 46.81  | 30.29        | 8.96    | 7.74 | 11.8       | 3.08            | 97.8  |
| 1304     | 11/24/2011 01:01:20 | 10.68  | 46.68  | 30.19        | 8.90    | 7.73 | 12.5       | 2.98            | 97.0  |
| 1305     | 11/24/2011 01:16:20 | 10.67  | 46.59  | 30.13        | 8.87    | 7.73 | 12.3       | 2.92            | 96.7  |
| 1306     | 11/24/2011 01:31:20 | 10.67  | 46.50  | 30.06        | 8.89    | 7.73 | 11.9       | 2.83            | 96.9  |
| 1307     | 11/24/2011 01:46:20 | 10.64  | 46.43  | 30.01        | 8.84    | 7.72 | 13.1       | 2.74            | 96.2  |
| 1308     | 11/24/2011 02:01:20 | 10.60  | 46.31  | 29.92        | 8.77    | 7.71 | 12.5       | 2.68            | 95.3  |
| 1309     | 11/24/2011 02:16:20 | 10.57  | 46.27  | 29.89        | 8.77    | 7.71 | 11.3       | 2.61            | 95.2  |
| 1310     | 11/24/2011 02:31:20 | 10.53  | 46.27  | 29.89        | 8.78    | 7.71 | 11.0       | 2.52            | 95.3  |
| 1311     | 11/24/2011 02:46:20 | 10.51  | 46.05  | 29.73        | 8.76    | 7.71 | 10.3       | 2.47            | 94.9  |
| 1312     | 11/24/2011 03:01:20 | 10.50  | 45.83  | 29.57        | 8.75    | 7.71 | 10.5       | 2.41            | 94.7  |
| 1313     | 11/24/2011 03:16:20 | 10.46  | 45.88  | 29.60        | 8.72    | 7.71 | 9.4        | 2.35            | 94.3  |
| 1314     | 11/24/2011 03:31:20 | 10.44  | 45.73  | 29.50        | 8.68    | 7.70 | 9.4        | 2.32            | 93.8  |
| 1315     | 11/24/2011 03:46:20 | 10.42  | 45.63  | 29.43        | 8.64    | 7.70 | 9.5        | 2.30            | 93.2  |
| 1316     | 11/24/2011 04:01:20 | 10.39  | 45.53  | 29.35        | 8.58    | 7.70 | 8.9        | 2.27            | 92.5  |
| 1317     | 11/24/2011 04:16:20 | 10.40  | 45.52  | 29.34        | 8.61    | 7.70 | 8.7        | 2.25            | 92.8  |
| 1318     | 11/24/2011 04:31:20 | 10.55  | 45.81  | 29.56        | 8.75    | 7.71 | 8.9        | 2.31            | 94.8  |
| 1319     | 11/24/2011 04:46:20 | 10.51  | 45.89  | 29.62        | 8.73    | 7.70 | 9.5        | 2.33            | 94.5  |
| 1320     | 11/24/2011 05:01:20 | 10.48  | 45.89  | 29.62        | 8.73    | 7.71 | 10.1       | 2.38            | 94.5  |
| 1321     | 11/24/2011 05:16:20 | 10.43  | 45.23  | 29.14        | 8.74    | 7.70 | 10.2       | 2.44            | 94.1  |
| 1322     | 11/24/2011 05:31:20 | 10.48  | 45.56  | 29.38        | 8.72    | 7.70 | 11.0       | 2.53            | 94.2  |
| 1323     | 11/24/2011 05:46:20 | 10.51  | 45.75  | 29.52        | 8.75    | 7.70 | 12.1       | 2.61            | 94.6  |
| 1324     | 11/24/2011 06:01:20 | 10.52  | 45.52  | 29.35        | 8.77    | 7.71 | 11.5       | 2.70            | 94.8  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 1325     | 11/24/2011 06:16:20 | 10.54  | 45.69  | 29.48        | 8.80    | 7.71 | 10.9       | 2.79            | 95.3  |
| 1326     | 11/24/2011 06:31:20 | 10.65  | 46.44  | 30.02        | 8.95    | 7.73 | 16.7       | 2.90            | 97.4  |
| 1327     | 11/24/2011 06:46:20 | 10.66  | 46.63  | 30.16        | 8.98    | 7.73 | 14.9       | 3.00            | 97.9  |
| 1328     | 11/24/2011 07:01:20 | 10.69  | 46.73  | 30.23        | 9.00    | 7.74 | 18.3       | 3.10            | 98.1  |
| 1329     | 11/24/2011 07:16:20 | 10.74  | 46.78  | 30.27        | 9.03    | 7.74 | 21.0       | 3.21            | 98.6  |
| 1330     | 11/24/2011 07:31:20 | 10.79  | 46.90  | 30.35        | 9.04    | 7.75 | 24.4       | 3.32            | 98.9  |
| 1331     | 11/24/2011 07:46:20 | 10.85  | 46.95  | 30.39        | 9.09    | 7.76 | 25.5       | 3.44            | 99.6  |
| 1332     | 11/24/2011 08:01:20 | 10.91  | 47.06  | 30.47        | 9.14    | 7.77 | 25.2       | 3.56            | 100.4 |
| 1333     | 11/24/2011 08:16:20 | 10.97  | 47.18  | 30.57        | 9.17    | 7.78 | 25.9       | 3.66            | 100.9 |
| 1334     | 11/24/2011 08:31:20 | 11.01  | 47.27  | 30.63        | 9.23    | 7.79 | 22.6       | 3.78            | 101.7 |
| 1335     | 11/24/2011 08:46:20 | 11.04  | 47.25  | 30.62        | 9.26    | 7.79 | 18.6       | 3.88            | 102.0 |
| 1336     | 11/24/2011 09:01:20 | 11.06  | 47.35  | 30.69        | 9.25    | 7.80 | 14.0       | 3.97            | 102.0 |
| 1337     | 11/24/2011 09:16:20 | 11.06  | 47.33  | 30.68        | 9.22    | 7.79 | 11.0       | 4.06            | 101.7 |
| 1338     | 11/24/2011 09:31:20 | 11.08  | 47.37  | 30.71        | 9.21    | 7.79 | 9.6        | 4.13            | 101.7 |
| 1339     | 11/24/2011 09:46:20 | 11.09  | 47.34  | 30.69        | 9.19    | 7.79 | 7.3        | 4.19            | 101.5 |
| 1340     | 11/24/2011 10:01:20 | 11.12  | 47.36  | 30.70        | 9.16    | 7.79 | 6.3        | 4.24            | 101.1 |
| 1341     | 11/24/2011 10:16:20 | 10.83  | 46.98  | 30.41        | 9.02    | 7.77 | 7.0        | 4.26            | 98.8  |
| 1342     | 11/24/2011 10:31:20 | 11.00  | 47.21  | 30.59        | 9.07    | 7.78 | 7.7        | 4.25            | 99.8  |
| 1343     | 11/24/2011 10:46:20 | 11.15  | 47.18  | 30.58        | 9.24    | 7.79 | 8.5        | 4.22            | 102.0 |
| 1344     | 11/24/2011 11:01:20 | 11.18  | 47.25  | 30.62        | 9.26    | 7.79 | 7.8        | 4.15            | 102.3 |
| 1345     | 11/24/2011 11:16:20 | 11.21  | 47.26  | 30.64        | 9.27    | 7.79 | 8.2        | 4.06            | 102.6 |
| 1346     | 11/24/2011 11:31:20 | 11.22  | 47.31  | 30.67        | 9.26    | 7.79 | 7.8        | 3.96            | 102.5 |
| 1347     | 11/24/2011 11:46:20 | 11.18  | 47.08  | 30.51        | 9.25    | 7.78 | 8.1        | 3.86            | 102.2 |
| 1348     | 11/24/2011 12:01:20 | 11.01  | 46.74  | 30.25        | 9.09    | 7.76 | 12.3       | 3.70            | 99.8  |
| 1349     | 11/24/2011 12:16:20 | 11.08  | 46.91  | 30.38        | 9.15    | 7.77 | 13.4       | 3.58            | 100.7 |
| 1350     | 11/24/2011 12:31:20 | 11.01  | 46.49  | 30.07        | 9.09    | 7.76 | 9.2        | 3.44            | 99.7  |
| 1351     | 11/24/2011 12:46:20 | 11.03  | 46.23  | 29.88        | 9.09    | 7.75 | 11.6       | 3.30            | 99.6  |
| 1352     | 11/24/2011 13:01:20 | 11.05  | 46.23  | 29.89        | 9.11    | 7.75 | 11.4       | 3.17            | 100.0 |
| 1353     | 11/24/2011 13:16:20 | 11.10  | 46.31  | 29.95        | 9.13    | 7.76 | 11.2       | 3.02            | 100.4 |
| 1354     | 11/24/2011 13:31:20 | 11.10  | 46.31  | 29.95        | 9.23    | 7.76 | 9.7        | 2.89            | 101.4 |
| 1355     | 11/24/2011 13:46:20 | 11.10  | 46.30  | 29.94        | 9.22    | 7.76 | 9.9        | 2.72            | 101.3 |
| 1356     | 11/24/2011 14:01:20 | 11.09  | 46.00  | 29.72        | 9.19    | 7.76 | 12.8       | 2.55            | 100.8 |
| 1357     | 11/24/2011 14:16:20 | 11.04  | 45.97  | 29.70        | 9.13    | 7.75 | 15.0       | 2.40            | 100.0 |
| 1358     | 11/24/2011 14:31:20 | 10.87  | 46.19  | 29.85        | 9.10    | 7.74 | 15.4       | 2.25            | 99.4  |
| 1359     | 11/24/2011 14:46:20 | 10.85  | 45.99  | 29.70        | 9.14    | 7.74 | 16.8       | 2.06            | 99.7  |
| 1360     | 11/24/2011 15:01:20 | 10.80  | 45.96  | 29.68        | 9.06    | 7.73 | 19.0       | 1.90            | 98.7  |
| 1361     | 11/24/2011 15:16:20 | 10.77  | 45.88  | 29.62        | 9.08    | 7.73 | 19.2       | 1.75            | 98.8  |
| 1362     | 11/24/2011 15:31:20 | 10.73  | 45.71  | 29.50        | 8.99    | 7.72 | 17.8       | 1.60            | 97.7  |
| 1363     | 11/24/2011 15:46:20 | 10.71  | 45.60  | 29.42        | 8.96    | 7.72 | 17.1       | 1.41            | 97.3  |
| 1364     | 11/24/2011 16:01:20 | 10.70  | 45.47  | 29.33        | 8.96    | 7.71 | 18.1       | 1.26            | 97.2  |
| 1365     | 11/24/2011 16:16:20 | 10.70  | 45.47  | 29.33        | 8.92    | 7.71 | 18.3       | 1.15            | 96.8  |
| 1366     | 11/24/2011 16:31:20 | 10.69  | 45.43  | 29.30        | 8.91    | 7.71 | 18.8       | 1.01            | 96.7  |
| 1367     | 11/24/2011 16:46:20 | 10.68  | 45.35  | 29.24        | 8.87    | 7.71 | 16.5       | 0.92            | 96.2  |
| 1368     | 11/24/2011 17:01:20 | 10.67  | 45.30  | 29.20        | 8.86    | 7.70 | 22.9       | 0.90            | 96.0  |
| 1369     | 11/24/2011 17:16:20 | 10.56  | 45.25  | 29.16        | 8.98    | 7.71 | 10.9       | 0.91            | 97.1  |
| 1370     | 11/24/2011 17:31:20 | 10.53  | 45.20  | 29.12        | 9.00    | 7.71 | 10.1       | 0.97            | 97.2  |
| 1371     | 11/24/2011 17:46:20 | 10.49  | 45.09  | 29.04        | 8.98    | 7.70 | 11.2       | 1.09            | 96.8  |
| 1372     | 11/24/2011 18:01:20 | 10.47  | 44.74  | 28.80        | 8.98    | 7.70 | 11.5       | 1.21            | 96.6  |
| 1373     | 11/24/2011 18:16:20 | 10.51  | 44.29  | 28.48        | 8.98    | 7.70 | 11.0       | 1.32            | 96.5  |
| 1374     | 11/24/2011 18:31:20 | 10.54  | 43.90  | 28.20        | 8.95    | 7.69 | 12.9       | 1.42            | 96.1  |
| 1375     | 11/24/2011 18:46:20 | 10.57  | 43.94  | 28.23        | 8.93    | 7.69 | 11.9       | 1.50            | 95.9  |
| 1376     | 11/24/2011 19:01:20 | 10.59  | 43.73  | 28.08        | 8.93    | 7.69 | 10.8       | 1.60            | 95.9  |
| 1377     | 11/24/2011 19:16:20 | 10.60  | 44.02  | 28.29        | 8.92    | 7.69 | 10.8       | 1.72            | 95.9  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1378     | 11/24/2011 19:31:20 | 10.63  | 44.53           | 28.65        | 8.91            | 7.70 | 10.6              | 1.83            | 96.1  |
| 1379     | 11/24/2011 19:46:20 | 10.67  | 44.55           | 28.67        | 8.87            | 7.70 | 10.9              | 1.93            | 95.7  |
| 1380     | 11/24/2011 20:01:20 | 10.72  | 44.78           | 28.84        | 8.85            | 7.70 | 10.4              | 2.03            | 95.8  |
| 1381     | 11/24/2011 20:16:20 | 10.76  | 45.12           | 29.08        | 8.83            | 7.70 | 11.8              | 2.15            | 95.8  |
| 1382     | 11/24/2011 20:31:20 | 10.75  | 45.29           | 29.20        | 8.83            | 7.70 | 12.7              | 2.27            | 95.8  |
| 1383     | 11/24/2011 20:46:20 | 10.73  | 45.30           | 29.20        | 8.85            | 7.70 | 16.6              | 2.39            | 96.0  |
| 1384     | 11/24/2011 21:01:20 | 10.76  | 45.21           | 29.14        | 8.89            | 7.70 | 16.1              | 2.52            | 96.4  |
| 1385     | 11/24/2011 21:16:20 | 10.77  | 45.34           | 29.23        | 8.89            | 7.71 | 21.1              | 2.62            | 96.5  |
| 1386     | 11/24/2011 21:31:20 | 10.80  | 45.47           | 29.33        | 8.90            | 7.71 | 22.5              | 2.72            | 96.8  |
| 1387     | 11/24/2011 21:46:20 | 10.84  | 45.73           | 29.52        | 8.96            | 7.72 | 24.6              | 2.82            | 97.7  |
| 1388     | 11/24/2011 22:01:20 | 10.89  | 45.92           | 29.66        | 9.06            | 7.73 | 25.6              | 2.94            | 98.9  |
| 1389     | 11/24/2011 22:16:20 | 10.95  | 46.21           | 29.87        | 9.25            | 7.74 | 23.4              | 3.03            | 101.2 |
| 1390     | 11/24/2011 22:31:20 | 11.00  | 46.36           | 29.98        | 9.33            | 7.75 | 23.9              | 3.09            | 102.3 |
| 1391     | 11/24/2011 22:46:20 | 11.07  | 46.67           | 30.20        | 9.39            | 7.77 | 20.4              | 3.19            | 103.3 |
| 1392     | 11/24/2011 23:01:20 | 11.16  | 46.99           | 30.44        | 9.48            | 7.78 | 16.0              | 3.26            | 104.7 |
| 1393     | 11/24/2011 23:16:20 | 11.20  | 47.02           | 30.46        | 9.54            | 7.79 | 14.2              | 3.33            | 105.5 |
| 1394     | 11/24/2011 23:31:20 | 11.21  | 47.05           | 30.48        | 9.53            | 7.79 | 10.7              | 3.41            | 105.3 |
| 1395     | 11/24/2011 23:46:20 | 11.23  | 47.10           | 30.52        | 9.53            | 7.79 | 8.7               | 3.44            | 105.4 |
| 1396     | 11/25/2011 00:01:20 | 11.23  | 47.20           | 30.59        | 9.43            | 7.79 | 5.7               | 3.48            | 104.3 |
| 1397     | 11/25/2011 00:16:20 | 11.20  | 47.03           | 30.47        | 9.41            | 7.79 | 7.7               | 3.47            | 104.0 |
| 1398     | 11/25/2011 00:31:20 | 11.21  | 47.16           | 30.57        | 9.43            | 7.79 | 7.9               | 3.45            | 104.3 |
| 1399     | 11/25/2011 00:46:20 | 11.22  | 47.19           | 30.58        | 9.44            | 7.79 | 8.3               | 3.39            | 104.4 |
| 1400     | 11/25/2011 01:01:20 | 11.02  | 46.58           | 30.14        | 9.24            | 7.76 | 11.4              | 3.33            | 101.4 |
| 1401     | 11/25/2011 01:16:20 | 11.03  | 46.64           | 30.18        | 9.23            | 7.76 | 10.8              | 3.25            | 101.4 |
| 1402     | 11/25/2011 01:31:20 | 10.90  | 46.46           | 30.04        | 9.14            | 7.75 | 10.6              | 3.18            | 100.0 |
| 1403     | 11/25/2011 01:46:20 | 10.90  | 46.38           | 29.99        | 9.12            | 7.75 | 10.5              | 3.06            | 99.8  |
| 1404     | 11/25/2011 02:01:20 | 10.91  | 46.30           | 29.93        | 9.12            | 7.74 | 12.3              | 2.98            | 99.8  |
| 1405     | 11/25/2011 02:16:20 | 10.84  | 46.09           | 29.78        | 9.04            | 7.73 | 11.8              | 2.89            | 98.7  |
| 1406     | 11/25/2011 02:31:20 | 10.80  | 45.86           | 29.61        | 8.96            | 7.72 | 9.9               | 2.85            | 97.6  |
| 1407     | 11/25/2011 02:46:20 | 10.74  | 45.78           | 29.55        | 8.89            | 7.71 | 9.6               | 2.76            | 96.6  |
| 1408     | 11/25/2011 03:01:20 | 10.66  | 45.59           | 29.41        | 8.81            | 7.71 | 9.0               | 2.71            | 95.6  |
| 1409     | 11/25/2011 03:16:20 | 10.62  | 45.39           | 29.26        | 8.78            | 7.70 | 9.3               | 2.63            | 95.1  |
| 1410     | 11/25/2011 03:31:20 | 10.61  | 45.54           | 29.37        | 8.77            | 7.70 | 9.0               | 2.58            | 94.9  |
| 1411     | 11/25/2011 03:46:20 | 10.59  | 45.28           | 29.18        | 8.75            | 7.69 | 9.3               | 2.49            | 94.6  |
| 1412     | 11/25/2011 04:01:20 | 10.58  | 45.18           | 29.12        | 8.72            | 7.69 | 9.0               | 2.48            | 94.3  |
| 1413     | 11/25/2011 04:16:20 | 10.54  | 45.05           | 29.02        | 8.70            | 7.69 | 8.7               | 2.40            | 93.9  |
| 1414     | 11/25/2011 04:31:20 | 10.53  | 44.96           | 28.96        | 8.66            | 7.68 | 8.5               | 2.37            | 93.4  |
| 1415     | 11/25/2011 04:46:20 | 10.54  | 44.94           | 28.94        | 8.63            | 7.68 | 8.6               | 2.33            | 93.1  |
| 1416     | 11/25/2011 05:01:20 | 10.53  | 44.88           | 28.90        | 8.60            | 7.68 | 9.3               | 2.36            | 92.7  |
| 1417     | 11/25/2011 05:16:20 | 10.60  | 45.11           | 29.06        | 8.71            | 7.69 | 9.9               | 2.38            | 94.2  |
| 1418     | 11/25/2011 05:31:20 | 10.60  | 45.13           | 29.08        | 8.73            | 7.69 | 8.2               | 2.41            | 94.4  |
| 1419     | 11/25/2011 05:46:20 | 10.60  | 45.18           | 29.11        | 8.73            | 7.69 | 8.7               | 2.44            | 94.3  |
| 1420     | 11/25/2011 06:01:20 | 10.60  | 45.26           | 29.17        | 8.76            | 7.69 | 9.5               | 2.53            | 94.8  |
| 1421     | 11/25/2011 06:16:20 | 10.57  | 45.07           | 29.03        | 8.76            | 7.69 | 9.0               | 2.60            | 94.6  |
| 1422     | 11/25/2011 06:31:20 | 10.59  | 45.08           | 29.04        | 8.77            | 7.69 | 10.7              | 2.67            | 94.7  |
| 1423     | 11/25/2011 06:46:20 | 10.64  | 45.37           | 29.25        | 8.81            | 7.70 | 11.1              | 2.77            | 95.5  |
| 1424     | 11/25/2011 07:01:20 | 10.70  | 45.58           | 29.40        | 8.88            | 7.71 | 11.2              | 2.86            | 96.3  |
| 1425     | 11/25/2011 07:16:20 | 10.80  | 46.03           | 29.73        | 9.01            | 7.73 | 11.7              | 2.93            | 98.2  |
| 1426     | 11/25/2011 07:31:20 | 10.86  | 46.23           | 29.88        | 9.08            | 7.73 | 10.4              | 3.05            | 99.2  |
| 1427     | 11/25/2011 07:46:20 | 10.89  | 46.17           | 29.84        | 9.12            | 7.74 | 12.8              | 3.15            | 99.7  |
| 1428     | 11/25/2011 08:01:20 | 10.92  | 46.39           | 29.99        | 9.14            | 7.74 | 14.0              | 3.23            | 100.1 |
| 1429     | 11/25/2011 08:16:20 | 10.97  | 46.45           | 30.04        | 9.19            | 7.75 | 17.2              | 3.35            | 100.8 |
| 1430     | 11/25/2011 08:31:20 | 11.02  | 46.61           | 30.16        | 9.23            | 7.76 | 17.6              | 3.46            | 101.4 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1431     | 11/25/2011 08:46:20 | 11.09  | 46.78           | 30.28        | 9.28            | 7.77 | 16.4              | 3.58            | 102.2 |
| 1432     | 11/25/2011 09:01:20 | 11.15  | 47.07           | 30.49        | 9.29            | 7.78 | 17.2              | 3.70            | 102.6 |
| 1433     | 11/25/2011 09:16:20 | 11.19  | 47.16           | 30.56        | 9.28            | 7.79 | 17.0              | 3.79            | 102.6 |
| 1434     | 11/25/2011 09:31:20 | 11.22  | 47.34           | 30.69        | 9.28            | 7.79 | 14.3              | 3.88            | 102.7 |
| 1435     | 11/25/2011 09:46:20 | 11.24  | 47.42           | 30.75        | 9.35            | 7.80 | 12.4              | 4.00            | 103.5 |
| 1436     | 11/25/2011 10:01:20 | 11.26  | 47.50           | 30.81        | 9.40            | 7.80 | 10.1              | 4.08            | 104.3 |
| 1437     | 11/25/2011 10:16:20 | 11.29  | 47.53           | 30.83        | 9.38            | 7.80 | 8.2               | 4.16            | 104.1 |
| 1438     | 11/25/2011 10:31:20 | 11.29  | 47.42           | 30.76        | 9.33            | 7.80 | 7.5               | 4.20            | 103.5 |
| 1439     | 11/25/2011 10:46:20 | 11.30  | 47.57           | 30.86        | 9.32            | 7.80 | 6.3               | 4.25            | 103.5 |
| 1440     | 11/25/2011 11:01:20 | 11.31  | 47.48           | 30.80        | 9.24            | 7.80 | 4.8               | 4.26            | 102.5 |
| 1441     | 11/25/2011 11:16:20 | 11.26  | 47.41           | 30.75        | 9.24            | 7.79 | 7.2               | 4.25            | 102.4 |
| 1442     | 11/25/2011 11:31:20 | 11.31  | 47.32           | 30.68        | 9.29            | 7.79 | 10.0              | 4.21            | 103.0 |
| 1443     | 11/25/2011 11:46:20 | 11.35  | 47.46           | 30.78        | 9.31            | 7.80 | 7.3               | 4.15            | 103.4 |
| 1444     | 11/25/2011 12:01:20 | 11.40  | 47.20           | 30.60        | 9.36            | 7.79 | 8.3               | 4.07            | 103.9 |
| 1445     | 11/25/2011 12:16:20 | 11.49  | 47.13           | 30.56        | 9.44            | 7.79 | 8.1               | 3.97            | 104.9 |
| 1446     | 11/25/2011 12:31:20 | 11.50  | 47.30           | 30.68        | 9.44            | 7.80 | 7.5               | 3.85            | 105.1 |
| 1447     | 11/25/2011 12:46:20 | 11.38  | 46.86           | 30.36        | 9.29            | 7.78 | 9.3               | 3.73            | 103.0 |
| 1448     | 11/25/2011 13:01:20 | 11.33  | 46.77           | 30.29        | 9.22            | 7.77 | 10.9              | 3.60            | 102.0 |
| 1449     | 11/25/2011 13:16:20 | 11.34  | 46.76           | 30.28        | 9.22            | 7.77 | 11.1              | 3.46            | 102.0 |
| 1450     | 11/25/2011 13:31:20 | 11.35  | 46.72           | 30.26        | 9.23            | 7.77 | 11.2              | 3.34            | 102.2 |
| 1451     | 11/25/2011 13:46:20 | 11.37  | 46.57           | 30.14        | 9.23            | 7.77 | 9.8               | 3.18            | 102.1 |
| 1452     | 11/25/2011 14:01:20 | 11.43  | 46.46           | 30.07        | 9.23            | 7.76 | 11.5              | 3.04            | 102.3 |
| 1453     | 11/25/2011 14:16:20 | 11.48  | 46.55           | 30.14        | 9.35            | 7.77 | 10.0              | 2.86            | 103.7 |
| 1454     | 11/25/2011 14:31:20 | 11.47  | 46.34           | 29.99        | 9.28            | 7.77 | 11.0              | 2.71            | 102.8 |
| 1455     | 11/25/2011 14:46:20 | 11.41  | 46.16           | 29.86        | 9.23            | 7.76 | 11.3              | 2.56            | 102.1 |
| 1456     | 11/25/2011 15:01:20 | 11.35  | 45.87           | 29.65        | 9.17            | 7.74 | 12.1              | 2.39            | 101.2 |
| 1457     | 11/25/2011 15:16:20 | 11.27  | 45.68           | 29.50        | 9.13            | 7.73 | 14.6              | 2.20            | 100.4 |
| 1458     | 11/25/2011 15:31:20 | 11.22  | 45.40           | 29.30        | 9.12            | 7.73 | 17.1              | 2.02            | 100.1 |
| 1459     | 11/25/2011 15:46:20 | 11.21  | 45.34           | 29.26        | 9.12            | 7.73 | 17.3              | 1.85            | 100.0 |
| 1460     | 11/25/2011 16:01:20 | 11.20  | 45.30           | 29.23        | 9.11            | 7.72 | 16.5              | 1.68            | 99.9  |
| 1461     | 11/25/2011 16:16:20 | 11.17  | 45.30           | 29.23        | 9.04            | 7.72 | 15.6              | 1.48            | 99.0  |
| 1462     | 11/25/2011 16:31:20 | 11.16  | 45.30           | 29.23        | 9.02            | 7.72 | 16.6              | 1.32            | 98.8  |
| 1463     | 11/25/2011 16:46:20 | 11.13  | 45.21           | 29.16        | 8.99            | 7.71 | 18.0              | 1.15            | 98.4  |
| 1464     | 11/25/2011 17:01:20 | 11.08  | 45.03           | 29.03        | 8.98            | 7.71 | 23.5              | 0.99            | 98.1  |
| 1465     | 11/25/2011 17:16:20 | 11.06  | 44.92           | 28.95        | 8.93            | 7.71 | 16.8              | 0.90            | 97.4  |
| 1466     | 11/25/2011 17:31:20 | 11.06  | 45.02           | 29.02        | 8.96            | 7.70 | 20.0              | 0.81            | 97.8  |
| 1467     | 11/25/2011 17:46:20 | 11.03  | 44.83           | 28.89        | 9.04            | 7.70 | 14.8              | 0.80            | 98.5  |
| 1468     | 11/25/2011 18:01:20 | 11.00  | 44.70           | 28.79        | 9.06            | 7.70 | 11.6              | 0.83            | 98.6  |
| 1469     | 11/25/2011 18:16:20 | 10.93  | 44.65           | 28.76        | 9.03            | 7.69 | 9.6               | 0.90            | 98.1  |
| 1470     | 11/25/2011 18:31:20 | 10.92  | 44.51           | 28.66        | 9.03            | 7.69 | 10.9              | 1.04            | 98.0  |
| 1471     | 11/25/2011 18:46:20 | 10.88  | 44.19           | 28.42        | 9.01            | 7.69 | 10.1              | 1.16            | 97.6  |
| 1472     | 11/25/2011 19:01:20 | 10.90  | 43.89           | 28.21        | 9.02            | 7.68 | 10.1              | 1.27            | 97.5  |
| 1473     | 11/25/2011 19:16:20 | 10.95  | 43.99           | 28.28        | 8.97            | 7.68 | 9.6               | 1.35            | 97.2  |
| 1474     | 11/25/2011 19:31:20 | 10.97  | 43.95           | 28.26        | 8.95            | 7.68 | 34.2              | 1.41            | 97.0  |
| 1475     | 11/25/2011 19:46:20 | 11.01  | 44.09           | 28.36        | 8.94            | 7.68 | 9.5               | 1.49            | 97.1  |
| 1476     | 11/25/2011 20:01:20 | 11.04  | 44.22           | 28.46        | 8.94            | 7.68 | 10.0              | 1.63            | 97.2  |
| 1477     | 11/25/2011 20:16:20 | 11.04  | 44.02           | 28.31        | 8.93            | 7.68 | 9.8               | 1.72            | 97.0  |
| 1478     | 11/25/2011 20:31:20 | 11.04  | 43.83           | 28.17        | 8.93            | 7.68 | 9.5               | 1.80            | 96.8  |
| 1479     | 11/25/2011 20:46:20 | 11.07  | 44.10           | 28.37        | 8.87            | 7.68 | 10.6              | 1.96            | 96.5  |
| 1480     | 11/25/2011 21:01:20 | 11.13  | 44.54           | 28.68        | 8.85            | 7.69 | 12.3              | 2.08            | 96.5  |
| 1481     | 11/25/2011 21:16:20 | 11.17  | 44.87           | 28.92        | 8.83            | 7.69 | 12.1              | 2.19            | 96.6  |
| 1482     | 11/25/2011 21:31:20 | 11.16  | 44.87           | 28.92        | 8.83            | 7.69 | 12.9              | 2.34            | 96.5  |
| 1483     | 11/25/2011 21:46:20 | 11.16  | 45.02           | 29.02        | 8.85            | 7.69 | 15.0              | 2.48            | 96.8  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1484     | 11/25/2011 22:01:20 | 11.12  | 45.04           | 29.04        | 8.89            | 7.70 | 16.8              | 2.59            | 97.1  |
| 1485     | 11/25/2011 22:16:20 | 11.13  | 45.27           | 29.21        | 8.92            | 7.70 | 18.4              | 2.70            | 97.6  |
| 1486     | 11/25/2011 22:31:20 | 11.16  | 45.46           | 29.34        | 8.95            | 7.72 | 23.9              | 2.80            | 98.1  |
| 1487     | 11/25/2011 22:46:20 | 11.19  | 45.71           | 29.52        | 9.01            | 7.72 | 22.6              | 2.90            | 98.9  |
| 1488     | 11/25/2011 23:01:20 | 11.24  | 45.98           | 29.72        | 9.16            | 7.74 | 23.3              | 2.99            | 100.8 |
| 1489     | 11/25/2011 23:16:20 | 11.29  | 46.28           | 29.94        | 9.36            | 7.75 | 21.1              | 3.08            | 103.3 |
| 1490     | 11/25/2011 23:31:20 | 11.33  | 46.54           | 30.13        | 9.49            | 7.77 | 20.6              | 3.16            | 104.9 |
| 1491     | 11/25/2011 23:46:20 | 11.37  | 46.73           | 30.26        | 9.62            | 7.78 | 17.6              | 3.26            | 106.6 |
| 1492     | 11/26/2011 00:01:20 | 11.40  | 47.06           | 30.50        | 9.72            | 7.79 | 14.5              | 3.31            | 107.8 |
| 1493     | 11/26/2011 00:16:20 | 11.42  | 47.16           | 30.57        | 9.77            | 7.80 | 11.4              | 3.37            | 108.5 |
| 1494     | 11/26/2011 00:31:20 | 11.42  | 47.16           | 30.57        | 9.80            | 7.79 | 8.6               | 3.43            | 108.8 |
| 1495     | 11/26/2011 00:46:20 | 11.42  | 47.21           | 30.61        | 9.75            | 7.80 | 7.0               | 3.47            | 108.3 |
| 1496     | 11/26/2011 01:01:20 | 11.42  | 47.26           | 30.65        | 9.68            | 7.80 | 5.4               | 3.49            | 107.5 |
| 1497     | 11/26/2011 01:16:20 | 11.41  | 47.07           | 30.51        | 9.66            | 7.79 | 6.7               | 3.48            | 107.2 |
| 1498     | 11/26/2011 01:31:20 | 11.41  | 47.19           | 30.59        | 9.72            | 7.80 | 7.2               | 3.44            | 107.9 |
| 1499     | 11/26/2011 01:46:20 | 11.25  | 46.48           | 30.07        | 9.37            | 7.77 | 10.3              | 3.38            | 103.4 |
| 1500     | 11/26/2011 02:01:20 | 11.14  | 46.17           | 29.85        | 9.05            | 7.73 | 9.8               | 3.32            | 99.5  |
| 1501     | 11/26/2011 02:16:20 | 11.12  | 46.14           | 29.83        | 9.10            | 7.73 | 11.3              | 3.22            | 99.9  |
| 1502     | 11/26/2011 02:31:20 | 11.16  | 46.40           | 30.02        | 9.27            | 7.75 | 9.8               | 3.13            | 102.0 |
| 1503     | 11/26/2011 02:46:20 | 11.16  | 46.25           | 29.91        | 9.17            | 7.74 | 9.4               | 3.05            | 100.9 |
| 1504     | 11/26/2011 03:01:20 | 11.13  | 45.93           | 29.68        | 9.03            | 7.72 | 10.3              | 2.96            | 99.1  |
| 1505     | 11/26/2011 03:16:20 | 11.09  | 45.69           | 29.50        | 8.88            | 7.71 | 10.3              | 2.88            | 97.3  |
| 1506     | 11/26/2011 03:31:20 | 11.09  | 45.67           | 29.49        | 8.84            | 7.71 | 9.8               | 2.78            | 96.8  |
| 1507     | 11/26/2011 03:46:20 | 11.08  | 45.81           | 29.59        | 8.78            | 7.71 | 9.8               | 2.70            | 96.2  |
| 1508     | 11/26/2011 04:01:20 | 11.06  | 45.64           | 29.47        | 8.85            | 7.71 | 10.1              | 2.64            | 96.9  |
| 1509     | 11/26/2011 04:16:20 | 11.03  | 45.37           | 29.27        | 8.81            | 7.70 | 9.4               | 2.56            | 96.3  |
| 1510     | 11/26/2011 04:31:20 | 11.00  | 45.28           | 29.20        | 8.76            | 7.69 | 8.7               | 2.48            | 95.6  |
| 1511     | 11/26/2011 04:46:20 | 10.95  | 45.02           | 29.02        | 8.70            | 7.68 | 9.0               | 2.43            | 94.7  |
| 1512     | 11/26/2011 05:01:20 | 10.91  | 44.76           | 28.83        | 8.63            | 7.67 | 7.7               | 2.39            | 93.8  |
| 1513     | 11/26/2011 05:16:20 | 10.88  | 44.77           | 28.83        | 8.59            | 7.67 | 7.4               | 2.33            | 93.3  |
| 1514     | 11/26/2011 05:31:20 | 10.89  | 44.63           | 28.74        | 8.56            | 7.67 | 7.7               | 2.32            | 92.9  |
| 1515     | 11/26/2011 05:46:20 | 10.89  | 44.56           | 28.68        | 8.52            | 7.67 | 6.8               | 2.30            | 92.5  |
| 1516     | 11/26/2011 06:01:20 | 10.90  | 44.75           | 28.82        | 8.63            | 7.67 | 7.4               | 2.32            | 93.7  |
| 1517     | 11/26/2011 06:16:20 | 10.90  | 44.81           | 28.86        | 8.62            | 7.67 | 7.6               | 2.36            | 93.7  |
| 1518     | 11/26/2011 06:31:20 | 10.95  | 45.00           | 29.01        | 8.68            | 7.68 | 7.8               | 2.39            | 94.5  |
| 1519     | 11/26/2011 06:46:20 | 10.95  | 44.98           | 28.99        | 8.69            | 7.67 | 8.1               | 2.45            | 94.6  |
| 1520     | 11/26/2011 07:01:20 | 10.87  | 44.77           | 28.84        | 8.68            | 7.67 | 9.5               | 2.52            | 94.2  |
| 1521     | 11/26/2011 07:16:20 | 10.89  | 44.79           | 28.85        | 8.68            | 7.67 | 8.4               | 2.61            | 94.3  |
| 1522     | 11/26/2011 07:31:20 | 10.98  | 45.16           | 29.12        | 8.75            | 7.69 | 9.5               | 2.69            | 95.4  |
| 1523     | 11/26/2011 07:46:20 | 11.03  | 45.46           | 29.33        | 8.82            | 7.70 | 9.5               | 2.77            | 96.4  |
| 1524     | 11/26/2011 08:01:20 | 11.10  | 45.77           | 29.56        | 8.97            | 7.72 | 8.8               | 2.86            | 98.4  |
| 1525     | 11/26/2011 08:16:20 | 11.16  | 46.06           | 29.77        | 9.14            | 7.73 | 9.6               | 2.95            | 100.4 |
| 1526     | 11/26/2011 08:31:20 | 11.20  | 46.10           | 29.80        | 9.20            | 7.74 | 9.2               | 3.04            | 101.2 |
| 1527     | 11/26/2011 08:46:20 | 11.21  | 46.27           | 29.92        | 9.23            | 7.74 | 10.5              | 3.13            | 101.6 |
| 1528     | 11/26/2011 09:01:20 | 11.24  | 46.49           | 30.09        | 9.31            | 7.75 | 12.0              | 3.24            | 102.7 |
| 1529     | 11/26/2011 09:16:20 | 11.26  | 46.58           | 30.15        | 9.38            | 7.76 | 12.7              | 3.34            | 103.6 |
| 1530     | 11/26/2011 09:31:20 | 11.29  | 46.77           | 30.29        | 9.43            | 7.77 | 14.4              | 3.45            | 104.3 |
| 1531     | 11/26/2011 09:46:20 | 11.31  | 46.98           | 30.44        | 9.53            | 7.78 | 15.3              | 3.55            | 105.5 |
| 1532     | 11/26/2011 10:01:20 | 11.32  | 47.07           | 30.50        | 9.60            | 7.79 | 14.9              | 3.66            | 106.3 |
| 1533     | 11/26/2011 10:16:20 | 11.33  | 47.29           | 30.66        | 9.60            | 7.80 | 15.6              | 3.76            | 106.5 |
| 1534     | 11/26/2011 10:31:20 | 11.34  | 47.40           | 30.74        | 9.57            | 7.80 | 12.9              | 3.84            | 106.3 |
| 1535     | 11/26/2011 10:46:20 | 11.36  | 47.42           | 30.76        | 9.55            | 7.80 | 10.6              | 3.95            | 106.1 |
| 1536     | 11/26/2011 11:01:20 | 11.37  | 47.46           | 30.79        | 9.56            | 7.80 | 8.1               | 4.02            | 106.2 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1537     | 11/26/2011 11:16:20 | 11.38  | 47.46           | 30.79        | 9.58            | 7.80 | 7.4               | 4.09            | 106.5 |
| 1538     | 11/26/2011 11:31:20 | 11.40  | 47.48           | 30.80        | 9.57            | 7.80 | 6.5               | 4.13            | 106.4 |
| 1539     | 11/26/2011 11:46:20 | 11.41  | 47.47           | 30.80        | 9.52            | 7.80 | 5.2               | 4.16            | 105.9 |
| 1540     | 11/26/2011 12:01:20 | 11.39  | 47.26           | 30.64        | 9.45            | 7.80 | 5.9               | 4.18            | 105.0 |
| 1541     | 11/26/2011 12:16:20 | 11.39  | 47.38           | 30.73        | 9.48            | 7.80 | 5.7               | 4.16            | 105.4 |
| 1542     | 11/26/2011 12:31:20 | 11.47  | 47.34           | 30.70        | 9.57            | 7.80 | 8.4               | 4.11            | 106.5 |
| 1543     | 11/26/2011 12:46:20 | 11.45  | 47.34           | 30.71        | 9.58            | 7.80 | 7.3               | 4.04            | 106.5 |
| 1544     | 11/26/2011 13:01:20 | 11.54  | 47.21           | 30.62        | 9.58            | 7.80 | 9.0               | 3.94            | 106.7 |
| 1545     | 11/26/2011 13:16:20 | 11.60  | 47.39           | 30.74        | 9.60            | 7.81 | 7.5               | 3.82            | 107.2 |
| 1546     | 11/26/2011 13:31:20 | 11.60  | 46.99           | 30.46        | 9.60            | 7.79 | 8.3               | 3.68            | 107.0 |
| 1547     | 11/26/2011 13:46:20 | 11.49  | 46.84           | 30.35        | 9.49            | 7.78 | 12.5              | 3.55            | 105.4 |
| 1548     | 11/26/2011 14:01:20 | 11.49  | 46.81           | 30.32        | 9.46            | 7.78 | 9.0               | 3.41            | 105.1 |
| 1549     | 11/26/2011 14:16:20 | 11.50  | 46.71           | 30.25        | 9.45            | 7.78 | 11.0              | 3.27            | 104.9 |
| 1550     | 11/26/2011 14:31:20 | 11.51  | 46.63           | 30.20        | 9.40            | 7.77 | 10.7              | 3.11            | 104.3 |
| 1551     | 11/26/2011 14:46:20 | 11.55  | 46.53           | 30.13        | 9.42            | 7.77 | 10.6              | 2.96            | 104.6 |
| 1552     | 11/26/2011 15:01:20 | 11.58  | 46.68           | 30.24        | 9.51            | 7.78 | 10.2              | 2.81            | 105.8 |
| 1553     | 11/26/2011 15:16:20 | 11.59  | 46.51           | 30.11        | 9.34            | 7.77 | 11.1              | 2.66            | 103.8 |
| 1554     | 11/26/2011 15:31:20 | 11.51  | 46.13           | 29.84        | 9.34            | 7.76 | 10.9              | 2.49            | 103.4 |
| 1555     | 11/26/2011 15:46:20 | 11.58  | 46.04           | 29.78        | 9.30            | 7.75 | 10.3              | 2.31            | 103.2 |
| 1556     | 11/26/2011 16:01:20 | 11.42  | 45.72           | 29.54        | 9.15            | 7.73 | 13.5              | 2.15            | 100.9 |
| 1557     | 11/26/2011 16:16:20 | 11.40  | 45.52           | 29.39        | 9.11            | 7.73 | 15.8              | 1.96            | 100.4 |
| 1558     | 11/26/2011 16:31:20 | 11.39  | 45.47           | 29.36        | 9.17            | 7.73 | 14.8              | 1.79            | 101.1 |
| 1559     | 11/26/2011 16:46:20 | 11.35  | 45.30           | 29.24        | 9.08            | 7.72 | 16.9              | 1.60            | 99.9  |
| 1560     | 11/26/2011 17:01:20 | 11.34  | 45.17           | 29.14        | 8.99            | 7.71 | 15.7              | 1.42            | 98.7  |
| 1561     | 11/26/2011 17:16:20 | 11.34  | 45.08           | 29.08        | 8.94            | 7.70 | 15.9              | 1.26            | 98.2  |
| 1562     | 11/26/2011 17:31:20 | 11.33  | 45.05           | 29.06        | 8.89            | 7.70 | 16.4              | 1.10            | 97.6  |
| 1563     | 11/26/2011 17:46:20 | 11.31  | 44.95           | 28.98        | 8.85            | 7.69 | 15.4              | 0.94            | 97.0  |
| 1564     | 11/26/2011 18:01:20 | 11.30  | 44.82           | 28.89        | 8.77            | 7.69 | 16.7              | 0.83            | 96.2  |
| 1565     | 11/26/2011 18:16:20 | 11.30  | 44.95           | 28.98        | 8.84            | 7.69 | 12.5              | 0.77            | 97.0  |
| 1566     | 11/26/2011 18:31:20 | 11.20  | 44.53           | 28.68        | 8.86            | 7.67 | 10.9              | 0.79            | 96.8  |
| 1567     | 11/26/2011 18:46:20 | 11.20  | 44.36           | 28.56        | 8.90            | 7.67 | 8.4               | 0.84            | 97.2  |
| 1568     | 11/26/2011 19:01:20 | 11.22  | 44.44           | 28.62        | 8.88            | 7.67 | 8.9               | 0.95            | 97.0  |
| 1569     | 11/26/2011 19:16:20 | 11.13  | 44.42           | 28.60        | 8.86            | 7.67 | 9.5               | 1.05            | 96.5  |
| 1570     | 11/26/2011 19:31:20 | 11.12  | 44.12           | 28.38        | 8.85            | 7.66 | 9.1               | 1.16            | 96.4  |
| 1571     | 11/26/2011 19:46:20 | 11.13  | 44.02           | 28.31        | 8.80            | 7.67 | 8.3               | 1.24            | 95.8  |
| 1572     | 11/26/2011 20:01:20 | 11.15  | 44.01           | 28.31        | 8.83            | 7.67 | 9.1               | 1.32            | 96.1  |
| 1573     | 11/26/2011 20:16:20 | 11.20  | 44.30           | 28.52        | 8.83            | 7.67 | 9.5               | 1.38            | 96.4  |
| 1574     | 11/26/2011 20:31:20 | 11.20  | 44.26           | 28.49        | 8.83            | 7.67 | 9.4               | 1.48            | 96.3  |
| 1575     | 11/26/2011 20:46:20 | 11.20  | 44.19           | 28.44        | 8.82            | 7.67 | 8.8               | 1.57            | 96.2  |
| 1576     | 11/26/2011 21:01:20 | 11.20  | 44.09           | 28.37        | 8.82            | 7.67 | 8.6               | 1.66            | 96.1  |
| 1577     | 11/26/2011 21:16:20 | 11.19  | 43.89           | 28.23        | 8.84            | 7.66 | 9.1               | 1.78            | 96.3  |
| 1578     | 11/26/2011 21:31:20 | 11.28  | 44.67           | 28.78        | 8.86            | 7.68 | 9.6               | 1.88            | 97.0  |
| 1579     | 11/26/2011 21:46:20 | 11.33  | 44.76           | 28.85        | 8.86            | 7.69 | 9.3               | 2.00            | 97.1  |
| 1580     | 11/26/2011 22:01:20 | 11.37  | 44.92           | 28.97        | 8.87            | 7.69 | 11.0              | 2.13            | 97.4  |
| 1581     | 11/26/2011 22:16:20 | 11.36  | 44.86           | 28.92        | 8.86            | 7.69 | 11.5              | 2.25            | 97.2  |
| 1582     | 11/26/2011 22:31:20 | 11.37  | 45.08           | 29.08        | 8.89            | 7.69 | 12.3              | 2.39            | 97.7  |
| 1583     | 11/26/2011 22:46:20 | 11.36  | 45.25           | 29.20        | 8.96            | 7.70 | 15.6              | 2.50            | 98.5  |
| 1584     | 11/26/2011 23:01:20 | 11.38  | 45.49           | 29.37        | 8.99            | 7.71 | 15.9              | 2.62            | 99.0  |
| 1585     | 11/26/2011 23:16:20 | 11.39  | 45.69           | 29.52        | 9.03            | 7.72 | 19.0              | 2.74            | 99.6  |
| 1586     | 11/26/2011 23:31:20 | 11.42  | 45.89           | 29.66        | 9.12            | 7.73 | 20.5              | 2.84            | 100.7 |
| 1587     | 11/26/2011 23:46:20 | 11.45  | 46.12           | 29.83        | 9.23            | 7.74 | 21.4              | 2.93            | 102.2 |
| 1588     | 11/27/2011 00:01:20 | 11.46  | 46.43           | 30.05        | 9.31            | 7.76 | 18.6              | 3.04            | 103.2 |
| 1589     | 11/27/2011 00:16:20 | 11.47  | 46.52           | 30.12        | 9.38            | 7.77 | 19.1              | 3.12            | 104.0 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1590     | 11/27/2011 00:31:20 | 11.48  | 46.45           | 30.07        | 9.42            | 7.77 | 19.8              | 3.20            | 104.4 |
| 1591     | 11/27/2011 00:46:20 | 11.48  | 46.62           | 30.19        | 9.42            | 7.78 | 22.0              | 3.28            | 104.5 |
| 1592     | 11/27/2011 01:01:20 | 11.47  | 46.53           | 30.12        | 9.45            | 7.78 | 13.4              | 3.35            | 104.8 |
| 1593     | 11/27/2011 01:16:20 | 11.46  | 46.49           | 30.09        | 9.50            | 7.79 | 9.5               | 3.41            | 105.3 |
| 1594     | 11/27/2011 01:31:20 | 11.46  | 46.28           | 29.94        | 9.55            | 7.80 | 8.1               | 3.45            | 105.7 |
| 1595     | 11/27/2011 01:46:20 | 11.45  | 46.25           | 29.92        | 9.47            | 7.80 | 6.4               | 3.48            | 104.9 |
| 1596     | 11/27/2011 02:01:20 | 11.35  | 46.09           | 29.80        | 9.08            | 7.75 | 6.4               | 3.48            | 100.3 |
| 1597     | 11/27/2011 02:16:20 | 11.34  | 46.26           | 29.92        | 9.10            | 7.75 | 7.8               | 3.46            | 100.5 |
| 1598     | 11/27/2011 02:31:20 | 11.35  | 46.32           | 29.97        | 9.23            | 7.76 | 8.5               | 3.41            | 101.9 |
| 1599     | 11/27/2011 02:46:20 | 11.27  | 46.09           | 29.80        | 9.10            | 7.74 | 8.3               | 3.34            | 100.3 |
| 1600     | 11/27/2011 03:01:20 | 11.26  | 46.21           | 29.88        | 9.13            | 7.75 | 9.6               | 3.24            | 100.7 |
| 1601     | 11/27/2011 03:16:20 | 11.27  | 46.21           | 29.88        | 9.07            | 7.74 | 9.2               | 3.15            | 100.0 |
| 1602     | 11/27/2011 03:31:20 | 11.36  | 46.23           | 29.91        | 9.10            | 7.74 | 11.4              | 3.05            | 100.5 |
| 1603     | 11/27/2011 03:46:20 | 11.35  | 46.11           | 29.82        | 9.10            | 7.74 | 10.8              | 2.96            | 100.5 |
| 1604     | 11/27/2011 04:01:20 | 11.32  | 46.13           | 29.83        | 9.01            | 7.73 | 10.1              | 2.88            | 99.4  |
| 1605     | 11/27/2011 04:16:20 | 11.29  | 45.90           | 29.66        | 8.94            | 7.72 | 10.1              | 2.79            | 98.4  |
| 1606     | 11/27/2011 04:31:20 | 11.27  | 45.88           | 29.65        | 8.88            | 7.71 | 8.9               | 2.73            | 97.8  |
| 1607     | 11/27/2011 04:46:20 | 11.22  | 45.66           | 29.49        | 8.76            | 7.70 | 8.9               | 2.64            | 96.2  |
| 1608     | 11/27/2011 05:01:20 | 11.21  | 45.63           | 29.47        | 8.77            | 7.70 | 8.5               | 2.58            | 96.3  |
| 1609     | 11/27/2011 05:16:20 | 11.17  | 45.53           | 29.39        | 8.78            | 7.70 | 9.6               | 2.51            | 96.3  |
| 1610     | 11/27/2011 05:31:20 | 11.12  | 45.36           | 29.27        | 8.74            | 7.69 | 8.4               | 2.45            | 95.6  |
| 1611     | 11/27/2011 05:46:20 | 11.09  | 45.14           | 29.11        | 8.67            | 7.68 | 7.4               | 2.41            | 94.7  |
| 1612     | 11/27/2011 06:01:20 | 11.02  | 45.05           | 29.05        | 8.62            | 7.67 | 7.3               | 2.36            | 94.0  |
| 1613     | 11/27/2011 06:16:20 | 10.99  | 44.97           | 28.98        | 8.56            | 7.67 | 6.8               | 2.34            | 93.3  |
| 1614     | 11/27/2011 06:31:20 | 11.03  | 44.87           | 28.92        | 8.56            | 7.67 | 6.3               | 2.33            | 93.3  |
| 1615     | 11/27/2011 06:46:20 | 11.00  | 44.97           | 28.98        | 8.61            | 7.67 | 6.7               | 2.31            | 93.8  |
| 1616     | 11/27/2011 07:01:20 | 11.08  | 45.11           | 29.09        | 8.68            | 7.68 | 7.3               | 2.35            | 94.8  |
| 1617     | 11/27/2011 07:16:20 | 11.06  | 45.16           | 29.13        | 8.68            | 7.67 | 7.5               | 2.37            | 94.8  |
| 1618     | 11/27/2011 07:31:20 | 11.09  | 45.26           | 29.20        | 8.68            | 7.68 | 8.1               | 2.43            | 94.9  |
| 1619     | 11/27/2011 07:46:20 | 11.05  | 45.19           | 29.14        | 8.71            | 7.68 | 8.5               | 2.51            | 95.1  |
| 1620     | 11/27/2011 08:01:20 | 10.97  | 44.99           | 29.00        | 8.68            | 7.67 | 8.3               | 2.57            | 94.5  |
| 1621     | 11/27/2011 08:16:20 | 11.06  | 45.27           | 29.20        | 8.77            | 7.68 | 8.4               | 2.66            | 95.8  |
| 1622     | 11/27/2011 08:31:20 | 11.14  | 45.52           | 29.39        | 8.81            | 7.69 | 8.6               | 2.74            | 96.6  |
| 1623     | 11/27/2011 08:46:20 | 11.20  | 45.74           | 29.55        | 8.92            | 7.71 | 8.9               | 2.82            | 97.9  |
| 1624     | 11/27/2011 09:01:20 | 11.25  | 46.05           | 29.77        | 9.04            | 7.73 | 8.7               | 2.91            | 99.5  |
| 1625     | 11/27/2011 09:16:20 | 11.30  | 46.15           | 29.84        | 9.14            | 7.74 | 8.5               | 2.99            | 100.8 |
| 1626     | 11/27/2011 09:31:20 | 11.32  | 46.12           | 29.82        | 9.18            | 7.74 | 9.6               | 3.08            | 101.3 |
| 1627     | 11/27/2011 09:46:20 | 11.33  | 46.21           | 29.89        | 9.20            | 7.75 | 10.2              | 3.17            | 101.6 |
| 1628     | 11/27/2011 10:01:20 | 11.33  | 46.21           | 29.89        | 9.24            | 7.76 | 10.4              | 3.27            | 102.0 |
| 1629     | 11/27/2011 10:16:20 | 11.35  | 46.24           | 29.91        | 9.31            | 7.77 | 10.9              | 3.37            | 102.8 |
| 1630     | 11/27/2011 10:31:20 | 11.38  | 46.27           | 29.94        | 9.38            | 7.78 | 11.8              | 3.47            | 103.6 |
| 1631     | 11/27/2011 10:46:20 | 11.39  | 46.28           | 29.94        | 9.43            | 7.79 | 11.8              | 3.57            | 104.3 |
| 1632     | 11/27/2011 11:01:20 | 11.40  | 46.24           | 29.91        | 9.48            | 7.79 | 12.2              | 3.67            | 104.8 |
| 1633     | 11/27/2011 11:16:20 | 11.43  | 46.24           | 29.91        | 9.52            | 7.80 | 10.6              | 3.75            | 105.4 |
| 1634     | 11/27/2011 11:31:20 | 11.44  | 46.20           | 29.89        | 9.57            | 7.81 | 12.0              | 3.84            | 105.9 |
| 1635     | 11/27/2011 11:46:20 | 11.44  | 46.29           | 29.95        | 9.53            | 7.81 | 9.5               | 3.90            | 105.5 |
| 1636     | 11/27/2011 12:01:20 | 11.44  | 46.35           | 29.99        | 9.51            | 7.81 | 8.2               | 3.96            | 105.3 |
| 1637     | 11/27/2011 12:16:20 | 11.44  | 46.34           | 29.98        | 9.51            | 7.81 | 7.2               | 4.01            | 105.3 |
| 1638     | 11/27/2011 12:31:20 | 11.45  | 46.41           | 30.04        | 9.48            | 7.81 | 5.4               | 4.03            | 105.0 |
| 1639     | 11/27/2011 12:46:20 | 11.44  | 46.24           | 29.91        | 9.41            | 7.80 | 5.9               | 4.05            | 104.1 |
| 1640     | 11/27/2011 13:01:20 | 11.46  | 46.23           | 29.91        | 9.39            | 7.79 | 6.1               | 4.04            | 104.0 |
| 1641     | 11/27/2011 13:16:20 | 11.57  | 46.21           | 29.90        | 9.53            | 7.80 | 8.2               | 4.00            | 105.8 |
| 1642     | 11/27/2011 13:31:20 | 11.47  | 46.36           | 30.00        | 9.47            | 7.81 | 6.7               | 3.93            | 105.0 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1643     | 11/27/2011 13:46:20 | 11.54  | 46.17           | 29.87        | 9.50            | 7.79 | 8.4               | 3.84            | 105.3 |
| 1644     | 11/27/2011 14:01:20 | 11.54  | 46.26           | 29.94        | 9.53            | 7.80 | 8.2               | 3.73            | 105.7 |
| 1645     | 11/27/2011 14:16:20 | 11.56  | 46.23           | 29.91        | 9.59            | 7.81 | 7.8               | 3.62            | 106.4 |
| 1646     | 11/27/2011 14:31:20 | 11.52  | 46.20           | 29.89        | 9.46            | 7.79 | 9.3               | 3.49            | 104.8 |
| 1647     | 11/27/2011 14:46:20 | 11.46  | 46.11           | 29.82        | 9.39            | 7.78 | 11.9              | 3.35            | 103.9 |
| 1648     | 11/27/2011 15:01:20 | 11.46  | 46.08           | 29.80        | 9.32            | 7.77 | 9.2               | 3.23            | 103.1 |
| 1649     | 11/27/2011 15:16:20 | 11.44  | 46.01           | 29.75        | 9.21            | 7.76 | 9.1               | 3.09            | 101.8 |
| 1650     | 11/27/2011 15:31:20 | 11.44  | 46.00           | 29.74        | 9.21            | 7.75 | 9.3               | 2.94            | 101.8 |
| 1651     | 11/27/2011 15:46:20 | 11.46  | 46.01           | 29.75        | 9.23            | 7.76 | 11.3              | 2.80            | 102.0 |
| 1652     | 11/27/2011 16:01:20 | 11.45  | 46.00           | 29.74        | 9.29            | 7.76 | 10.4              | 2.65            | 102.7 |
| 1653     | 11/27/2011 16:16:20 | 11.44  | 45.95           | 29.71        | 9.30            | 7.76 | 10.3              | 2.48            | 102.7 |
| 1654     | 11/27/2011 16:31:20 | 11.42  | 45.90           | 29.67        | 9.24            | 7.76 | 10.5              | 2.33            | 102.0 |
| 1655     | 11/27/2011 16:46:20 | 11.38  | 45.73           | 29.55        | 9.14            | 7.74 | 11.7              | 2.17            | 100.7 |
| 1656     | 11/27/2011 17:01:20 | 11.34  | 45.53           | 29.40        | 9.04            | 7.72 | 14.6              | 2.00            | 99.5  |
| 1657     | 11/27/2011 17:16:20 | 11.32  | 45.39           | 29.30        | 8.94            | 7.71 | 15.1              | 1.83            | 98.3  |
| 1658     | 11/27/2011 17:31:20 | 11.30  | 45.36           | 29.28        | 8.88            | 7.70 | 16.2              | 1.65            | 97.5  |
| 1659     | 11/27/2011 17:46:20 | 11.29  | 45.23           | 29.18        | 8.85            | 7.69 | 14.5              | 1.49            | 97.2  |
| 1660     | 11/27/2011 18:01:20 | 11.27  | 45.17           | 29.14        | 8.80            | 7.68 | 14.3              | 1.33            | 96.5  |
| 1661     | 11/27/2011 18:16:20 | 11.26  | 45.11           | 29.10        | 8.74            | 7.68 | 13.6              | 1.16            | 95.8  |
| 1662     | 11/27/2011 18:31:20 | 11.26  | 45.04           | 29.05        | 8.70            | 7.67 | 12.6              | 1.04            | 95.4  |
| 1663     | 11/27/2011 18:46:20 | 11.25  | 44.94           | 28.97        | 8.64            | 7.67 | 11.2              | 0.92            | 94.6  |
| 1664     | 11/27/2011 19:01:20 | 11.22  | 44.92           | 28.96        | 8.59            | 7.67 | 8.7               | 0.86            | 94.1  |
| 1665     | 11/27/2011 19:16:20 | 11.15  | 44.70           | 28.80        | 8.64            | 7.65 | 9.0               | 0.87            | 94.3  |
| 1666     | 11/27/2011 19:31:20 | 11.08  | 44.58           | 28.71        | 8.63            | 7.64 | 7.2               | 0.89            | 94.1  |
| 1667     | 11/27/2011 19:46:20 | 11.11  | 44.64           | 28.75        | 8.66            | 7.65 | 7.5               | 0.99            | 94.5  |
| 1668     | 11/27/2011 20:01:20 | 11.09  | 44.64           | 28.75        | 8.66            | 7.65 | 7.6               | 1.10            | 94.4  |
| 1669     | 11/27/2011 20:16:20 | 11.09  | 44.65           | 28.76        | 8.68            | 7.65 | 7.6               | 1.19            | 94.6  |
| 1670     | 11/27/2011 20:31:20 | 11.06  | 44.32           | 28.53        | 8.68            | 7.65 | 7.7               | 1.27            | 94.4  |
| 1671     | 11/27/2011 20:46:20 | 11.01  | 43.75           | 28.12        | 8.66            | 7.64 | 8.2               | 1.34            | 93.8  |
| 1672     | 11/27/2011 21:01:20 | 11.06  | 44.07           | 28.35        | 8.67            | 7.64 | 7.8               | 1.42            | 94.2  |
| 1673     | 11/27/2011 21:16:20 | 11.09  | 44.16           | 28.41        | 8.66            | 7.64 | 7.8               | 1.49            | 94.2  |
| 1674     | 11/27/2011 21:31:20 | 11.10  | 44.22           | 28.45        | 8.66            | 7.64 | 7.6               | 1.58            | 94.3  |
| 1675     | 11/27/2011 21:46:20 | 11.08  | 43.99           | 28.29        | 8.68            | 7.64 | 7.6               | 1.69            | 94.4  |
| 1676     | 11/27/2011 22:01:20 | 11.10  | 44.18           | 28.43        | 8.67            | 7.65 | 7.7               | 1.79            | 94.4  |
| 1677     | 11/27/2011 22:16:20 | 11.20  | 44.73           | 28.82        | 8.76            | 7.67 | 8.6               | 1.91            | 95.8  |
| 1678     | 11/27/2011 22:31:20 | 11.25  | 44.88           | 28.93        | 8.76            | 7.68 | 8.5               | 2.03            | 96.0  |
| 1679     | 11/27/2011 22:46:20 | 11.27  | 44.96           | 28.99        | 8.78            | 7.68 | 9.4               | 2.16            | 96.2  |
| 1680     | 11/27/2011 23:01:20 | 11.31  | 45.17           | 29.14        | 8.78            | 7.68 | 10.3              | 2.28            | 96.4  |
| 1681     | 11/27/2011 23:16:20 | 11.32  | 45.32           | 29.25        | 8.80            | 7.69 | 12.6              | 2.40            | 96.7  |
| 1682     | 11/27/2011 23:31:20 | 11.31  | 45.42           | 29.32        | 8.85            | 7.70 | 11.7              | 2.52            | 97.3  |
| 1683     | 11/27/2011 23:46:20 | 11.32  | 45.34           | 29.26        | 8.91            | 7.70 | 11.3              | 2.62            | 98.0  |
| 1684     | 11/28/2011 00:01:20 | 11.35  | 45.57           | 29.43        | 8.93            | 7.71 | 12.6              | 2.73            | 98.3  |
| 1685     | 11/28/2011 00:16:20 | 11.37  | 45.63           | 29.48        | 9.00            | 7.72 | 16.1              | 2.83            | 99.1  |
| 1686     | 11/28/2011 00:31:20 | 11.40  | 45.77           | 29.58        | 9.08            | 7.73 | 17.9              | 2.92            | 100.2 |
| 1687     | 11/28/2011 00:46:20 | 11.42  | 45.94           | 29.70        | 9.22            | 7.75 | 17.6              | 3.01            | 101.9 |
| 1688     | 11/28/2011 01:01:20 | 11.43  | 46.04           | 29.77        | 9.30            | 7.76 | 18.5              | 3.10            | 102.8 |
| 1689     | 11/28/2011 01:16:20 | 11.44  | 46.14           | 29.84        | 9.34            | 7.77 | 16.7              | 3.19            | 103.3 |
| 1690     | 11/28/2011 01:31:20 | 11.45  | 46.16           | 29.86        | 9.37            | 7.78 | 18.3              | 3.26            | 103.7 |
| 1691     | 11/28/2011 01:46:20 | 11.46  | 46.33           | 29.98        | 9.37            | 7.78 | 16.4              | 3.34            | 103.8 |
| 1692     | 11/28/2011 02:01:20 | 11.49  | 46.54           | 30.13        | 9.41            | 7.79 | 11.9              | 3.40            | 104.3 |
| 1693     | 11/28/2011 02:16:20 | 11.50  | 46.64           | 30.20        | 9.42            | 7.80 | 8.3               | 3.45            | 104.5 |
| 1694     | 11/28/2011 02:31:20 | 11.51  | 46.73           | 30.27        | 9.42            | 7.80 | 6.5               | 3.48            | 104.7 |
| 1695     | 11/28/2011 02:46:20 | 11.47  | 46.59           | 30.17        | 9.25            | 7.79 | 5.2               | 3.49            | 102.6 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%    |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|--------|
| 1696     | 11/28/2011 03:01:20 | 11.51  | 46.74           | 30.28        | 9.32            | 7.80 | 7.7               | 3.48            | 103.6  |
| 1697     | 11/28/2011 03:16:20 | 11.50  | 46.69           | 30.24        | 9.35            | 7.80 | 8.2               | 3.44            | 103.9  |
| 1698     | 11/28/2011 03:31:20 | 11.39  | 46.22           | 29.90        | 9.14            | 7.77 | 9.8               | 3.37            | 101.0  |
| 1699     | 11/28/2011 03:46:20 | 11.32  | 45.92           | 29.68        | 8.97            | 7.73 | 11.1              | 3.30            | 98.9   |
| 1700     | 11/28/2011 04:01:20 | 11.39  | 46.06           | 29.78        | 9.10            | 7.75 | 11.0              | 3.22            | 100.5  |
| 1701     | 11/28/2011 04:16:20 | 11.34  | 45.94           | 29.70        | 9.02            | 7.74 | 10.9              | 3.10            | 99.5   |
| 1702     | 11/28/2011 04:31:20 | 11.33  | 45.79           | 29.58        | 8.95            | 7.73 | 10.4              | 3.03            | 98.6   |
| 1703     | 11/28/2011 04:46:20 | 11.31  | 45.78           | 29.58        | 8.89            | 7.73 | 10.0              | 2.95            | 97.8   |
| 1704     | 11/28/2011 05:01:20 | 11.29  | 45.67           | 29.50        | 8.82            | 7.72 | 9.3               | 2.85            | 97.1   |
| 1705     | 11/28/2011 05:16:20 | 11.29  | 45.57           | 29.43        | 8.80            | 7.71 | 9.6               | 2.79            | 96.8   |
| 1706     | 11/28/2011 05:31:20 | 11.28  | 45.53           | 29.40        | 8.75            | 7.70 | 8.2               | 2.72            | 96.2   |
| 1707     | 11/28/2011 05:46:20 | 11.26  | 45.55           | 29.41        | 8.65            | 7.69 | 7.5               | 2.65            | 95.1   |
| 1708     | 11/28/2011 06:01:20 | 11.26  | 45.58           | 29.43        | 8.70            | 7.70 | 7.7               | 2.59            | 95.6   |
| 1709     | 11/28/2011 06:16:20 | 11.26  | 45.51           | 29.39        | 8.78            | 7.70 | 8.5               | 2.53            | 96.4   |
| 1710     | 11/28/2011 06:31:20 | 11.22  | 45.41           | 29.31        | 8.70            | 7.69 | 7.6               | 2.47            | 95.4   |
| 1711     | 11/28/2011 06:46:20 | 11.18  | 45.23           | 29.18        | 8.61            | 7.68 | 7.2               | 2.42            | 94.3   |
| 1712     | 11/28/2011 07:01:20 | 11.15  | 45.12           | 29.10        | 8.53            | 7.67 | 6.8               | 2.41            | 93.3   |
| 1713     | 11/28/2011 07:16:20 | 11.13  | 45.04           | 29.04        | 8.49            | 7.66 | 6.5               | 2.38            | 92.8   |
| 1714     | 11/28/2011 07:31:20 | 11.13  | 45.02           | 29.03        | 8.39            | 7.66 | 6.2               | 2.37            | 91.8   |
| 1715     | 11/28/2011 07:46:20 | 11.13  | 45.13           | 29.10        | 8.54            | 7.67 | 6.5               | 2.39            | 93.4   |
| 1716     | 11/28/2011 08:01:20 | 11.16  | 45.20           | 29.16        | 8.58            | 7.67 | 6.8               | 2.42            | 93.9   |
| 1717     | 11/28/2011 08:16:20 | 11.17  | 45.21           | 29.16        | 8.59            | 7.67 | 7.0               | 2.44            | 94.1   |
| 1718     | 11/28/2011 08:31:20 | 11.18  | 45.31           | 29.23        | 8.60            | 7.67 | 7.1               | 2.50            | 94.2   |
| 1719     | 11/28/2011 08:46:20 | 11.17  | 45.20           | 29.15        | 8.63            | 7.67 | 8.2               | 2.56            | 94.5   |
| 1720     | 11/28/2011 09:01:20 | 11.13  | 45.04           | 29.04        | 8.61            | 7.67 | 8.1               | 2.62            | 94.1   |
| 1721     | 11/28/2011 09:16:20 | 11.18  | 45.27           | 29.20        | 8.69            | 7.68 | 7.8               | 2.71            | 95.2   |
| 1722     | 11/28/2011 09:31:20 | 11.24  | 45.46           | 29.34        | 8.75            | 7.69 | 8.2               | 2.78            | 96.1   |
| 1723     | 11/28/2011 09:46:20 | 11.29  | 45.67           | 29.50        | 8.84            | 7.71 | 7.9               | 2.85            | 97.2   |
| 1724     | 11/28/2011 10:01:20 | 11.34  | 45.81           | 29.60        | 8.97            | 7.73 | 7.5               | 2.94            | 98.9   |
| 1725     | 11/28/2011 10:16:20 | 11.39  | 45.97           | 29.72        | 9.06            | 7.74 | 7.8               | 3.02            | 100.1  |
| 1726     | 11/28/2011 10:31:20 | 11.41  | 46.02           | 29.76        | 9.09            | 7.74 | 8.1               | 3.11            | 100.5  |
| 1727     | 11/28/2011 10:46:20 | 11.43  | 46.01           | 29.75        | 9.12            | 7.75 | 8.6               | 3.18            | 100.8  |
| 1728     | 11/28/2011 11:01:20 | 11.45  | 46.17           | 29.87        | 9.16            | 7.76 | 8.9               | 3.28            | 101.3  |
| 1729     | 11/28/2011 11:16:20 | 11.47  | 46.30           | 29.96        | 9.19            | 7.76 | 9.8               | 3.36            | 101.7  |
| 1730     | 11/28/2011 11:31:20 | 11.49  | 46.39           | 30.03        | 9.23            | 7.77 | 9.5               | 3.44            | 102.3  |
| 1731     | 11/28/2011 11:46:20 | 11.50  | 46.48           | 30.09        | 9.28            | 7.78 | 9.9               | 3.52            | 102.9  |
| 1732     | 11/28/2011 12:01:20 | 11.53  | 46.62           | 30.19        | 9.31            | 7.79 | 9.1               | 3.60            | 103.4  |
| 1733     | 11/28/2011 12:16:20 | 11.54  | 46.72           | 30.26        | 9.36            | 7.80 | 8.3               | 3.68            | 104.1  |
| 1734     | 11/28/2011 12:31:20 | 11.55  | 46.77           | 30.30        | 9.39            | 7.80 | 7.4               | 3.73            | 104.4  |
| 1735     | 11/28/2011 12:46:20 | 11.55  | 46.82           | 30.33        | 9.41            | 7.81 | 7.1               | 3.80            | 104.7  |
| 1736     | 11/28/2011 13:01:20 | 11.56  | 46.80           | 30.32        | 9.41            | 7.81 | 6.8               | 3.84            | 104.7  |
| 1737     | 11/28/2011 13:16:20 | 11.57  | 46.80           | 30.32        | 9.38            | 7.81 | 4.3               | 3.86            | 104.4  |
| 1738     | 11/28/2011 13:31:20 | 11.56  | 46.68           | 30.24        | 9.27            | 7.80 | 5.1               | 3.88            | 103.1  |
| 1739     | 11/28/2011 13:46:20 | 11.56  | 46.76           | 30.29        | 9.23            | 7.80 | 6.0               | 3.86            | 102.7  |
| 1740     | 11/28/2011 14:01:20 | 11.56  | 46.81           | 30.33        | 9.33            | 7.81 | 5.7               | 3.82            | 103.8  |
| 1741     | 11/28/2011 14:16:20 | 11.57  | 46.72           | 30.26        | 9.31            | 7.80 | 7.4               | 3.78            | 103.5  |
| 1742     | 11/28/2011 14:31:20 | 11.57  | 46.70           | 30.25        | 9.33            | 7.80 | 6.8               | 3.70            | 103.7  |
| 1743     | 11/28/2011 14:46:20 | 11.59  | 46.61           | 30.18        | 9.29            | 7.79 | 8.9               | 3.60            | 103.3  |
| 1744     | 11/28/2011 15:01:20 | 11.60  | 46.59           | 30.17        | 9.34            | 7.80 | 9.4               | 3.50            | 103.8  |
| Mean     |                     | 10.91  | 46.98           | 30.42        | 9.41            | 7.80 | 7.52              | 2.66            | 103.30 |
| Minimum  |                     | 9.70   | 43.73           | 28.08        | 8.39            | 7.64 | 2.20              | 0.77            | 91.80  |
| Maximum  |                     | 11.78  | 48.34           | 31.38        | 10.92           | 7.98 | 34.60             | 4.26            | 120.40 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample #         | Date & Time       | Temp C                                                                       | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO% |
|------------------|-------------------|------------------------------------------------------------------------------|-----------------|--------------|-----------------|----|-------------------|-----------------|-----|
| Parameter        | Criteria          | Source                                                                       |                 |              |                 |    |                   |                 |     |
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |                 |              |                 |    |                   |                 |     |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |                 |              |                 |    |                   |                 |     |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 0        | 11/28/2011 15:31:18 | 11.58  | 48.03  | 31.21        | 8.95    | 7.82 | 10.4       | 3.09            | 100.1 |
| 1        | 11/28/2011 15:46:18 | 11.56  | 48.15  | 31.29        | 8.87    | 7.86 | 11.0       | 2.97            | 99.3  |
| 2        | 11/28/2011 16:01:18 | 11.55  | 47.98  | 31.17        | 8.82    | 7.87 | 10.6       | 2.85            | 98.6  |
| 3        | 11/28/2011 16:16:19 | 11.54  | 48.09  | 31.25        | 8.80    | 7.85 | 10.1       | 2.72            | 98.5  |
| 4        | 11/28/2011 16:31:19 | 11.55  | 48.12  | 31.27        | 8.82    | 7.85 | 10.3       | 2.58            | 98.7  |
| 5        | 11/28/2011 16:46:19 | 11.53  | 48.26  | 31.37        | 8.79    | 7.84 | 9.8        | 2.45            | 98.4  |
| 6        | 11/28/2011 17:01:19 | 11.50  | 48.19  | 31.32        | 8.74    | 7.84 | 11.8       | 2.31            | 97.7  |
| 7        | 11/28/2011 17:16:19 | 11.49  | 48.20  | 31.33        | 8.71    | 7.83 | 11.2       | 2.16            | 97.3  |
| 8        | 11/28/2011 17:31:19 | 11.45  | 47.97  | 31.16        | 8.62    | 7.81 | 15.0       | 2.01            | 96.2  |
| 9        | 11/28/2011 17:46:19 | 11.43  | 47.94  | 31.14        | 8.58    | 7.81 | 14.7       | 1.87            | 95.6  |
| 10       | 11/28/2011 18:01:19 | 11.41  | 47.95  | 31.14        | 8.55    | 7.81 | 14.5       | 1.70            | 95.3  |
| 11       | 11/28/2011 18:16:19 | 11.40  | 47.89  | 31.10        | 8.53    | 7.80 | 14.6       | 1.53            | 95.0  |
| 12       | 11/28/2011 18:31:19 | 11.39  | 47.54  | 30.85        | 8.50    | 7.79 | 13.7       | 1.38            | 94.5  |
| 13       | 11/28/2011 18:46:19 | 11.38  | 47.56  | 30.86        | 8.47    | 7.78 | 13.4       | 1.24            | 94.1  |
| 14       | 11/28/2011 19:01:19 | 11.37  | 47.50  | 30.82        | 8.41    | 7.77 | 12.5       | 1.12            | 93.4  |
| 15       | 11/28/2011 19:16:19 | 11.36  | 47.40  | 30.74        | 8.38    | 7.76 | 12.5       | 0.98            | 93.0  |
| 16       | 11/28/2011 19:31:19 | 11.35  | 47.44  | 30.77        | 8.31    | 7.75 | 9.9        | 0.89            | 92.3  |
| 17       | 11/28/2011 19:46:19 | 11.35  | 47.52  | 30.83        | 8.32    | 7.76 | 10.9       | 0.83            | 92.4  |
| 18       | 11/28/2011 20:01:19 | 11.31  | 47.19  | 30.59        | 8.30    | 7.74 | 8.9        | 0.81            | 92.0  |
| 19       | 11/28/2011 20:16:19 | 11.28  | 46.91  | 30.39        | 8.30    | 7.73 | 8.5        | 0.85            | 91.8  |
| 20       | 11/28/2011 20:31:19 | 11.25  | 47.07  | 30.50        | 8.33    | 7.73 | 9.3        | 0.94            | 92.2  |
| 21       | 11/28/2011 20:46:19 | 11.24  | 46.92  | 30.39        | 8.31    | 7.73 | 9.5        | 1.01            | 91.8  |
| 22       | 11/28/2011 21:01:19 | 11.24  | 47.06  | 30.49        | 8.30    | 7.73 | 9.9        | 1.09            | 91.8  |
| 23       | 11/28/2011 21:16:19 | 11.24  | 46.69  | 30.23        | 8.31    | 7.73 | 8.8        | 1.20            | 91.7  |
| 24       | 11/28/2011 21:31:18 | 11.20  | 45.88  | 29.65        | 8.30    | 7.76 | 8.9        | 1.25            | 91.2  |
| 25       | 11/28/2011 21:46:18 | 11.22  | 46.01  | 29.74        | 8.28    | 7.76 | 8.9        | 1.32            | 91.1  |
| 26       | 11/28/2011 22:01:18 | 11.24  | 46.13  | 29.83        | 8.31    | 7.77 | 8.4        | 1.40            | 91.6  |
| 27       | 11/28/2011 22:16:19 | 11.25  | 46.58  | 30.15        | 8.33    | 7.73 | 8.4        | 1.49            | 91.9  |
| 28       | 11/28/2011 22:31:19 | 11.26  | 46.56  | 30.13        | 8.32    | 7.73 | 8.2        | 1.59            | 91.8  |
| 29       | 11/28/2011 22:46:19 | 11.23  | 46.30  | 29.94        | 8.33    | 7.73 | 8.1        | 1.67            | 91.8  |
| 30       | 11/28/2011 23:01:19 | 11.32  | 47.09  | 30.52        | 8.39    | 7.75 | 8.7        | 1.79            | 92.9  |
| 31       | 11/28/2011 23:16:19 | 11.36  | 47.29  | 30.66        | 8.42    | 7.77 | 9.2        | 1.90            | 93.5  |
| 32       | 11/28/2011 23:31:19 | 11.35  | 47.16  | 30.57        | 8.42    | 7.76 | 9.2        | 2.00            | 93.4  |
| 33       | 11/28/2011 23:46:19 | 11.40  | 47.70  | 30.96        | 8.44    | 7.78 | 10.3       | 2.13            | 93.9  |
| 34       | 11/29/2011 00:01:19 | 11.41  | 47.80  | 31.04        | 8.50    | 7.79 | 10.9       | 2.24            | 94.7  |
| 35       | 11/29/2011 00:16:19 | 11.42  | 47.91  | 31.11        | 8.53    | 7.80 | 11.4       | 2.35            | 95.1  |
| 36       | 11/29/2011 00:31:19 | 11.44  | 47.98  | 31.17        | 8.58    | 7.81 | 11.1       | 2.45            | 95.6  |
| 37       | 11/29/2011 00:46:19 | 11.45  | 48.13  | 31.27        | 8.60    | 7.81 | 11.5       | 2.55            | 96.0  |
| 38       | 11/29/2011 01:01:19 | 11.47  | 48.02  | 31.20        | 8.65    | 7.82 | 14.4       | 2.64            | 96.5  |
| 39       | 11/29/2011 01:16:19 | 11.49  | 48.05  | 31.22        | 8.72    | 7.83 | 15.7       | 2.74            | 97.4  |
| 40       | 11/29/2011 01:31:19 | 11.52  | 48.26  | 31.37        | 8.85    | 7.84 | 14.8       | 2.82            | 99.0  |
| 41       | 11/29/2011 01:46:19 | 11.54  | 48.75  | 31.73        | 8.93    | 7.84 | 14.3       | 2.90            | 100.2 |
| 42       | 11/29/2011 02:01:19 | 11.55  | 48.58  | 31.60        | 8.98    | 7.85 | 14.8       | 2.98            | 100.7 |
| 43       | 11/29/2011 02:16:19 | 11.57  | 49.02  | 31.93        | 9.00    | 7.85 | 14.0       | 3.05            | 101.1 |
| 44       | 11/29/2011 02:31:19 | 11.58  | 48.93  | 31.86        | 9.00    | 7.86 | 10.9       | 3.13            | 101.2 |
| 45       | 11/29/2011 02:46:19 | 11.59  | 49.03  | 31.93        | 8.99    | 7.90 | 8.8        | 3.20            | 101.1 |
| 46       | 11/29/2011 03:01:19 | 11.60  | 49.51  | 32.28        | 8.97    | 7.93 | 6.7        | 3.24            | 101.1 |
| 47       | 11/29/2011 03:16:19 | 11.60  | 49.28  | 32.11        | 8.95    | 7.90 | 5.0        | 3.26            | 100.8 |
| 48       | 11/29/2011 03:31:19 | 11.58  | 49.14  | 32.01        | 8.89    | 7.89 | 5.9        | 3.28            | 100.0 |
| 49       | 11/29/2011 03:46:19 | 11.60  | 49.27  | 32.11        | 8.93    | 7.90 | 6.8        | 3.27            | 100.5 |
| 50       | 11/29/2011 04:01:19 | 11.60  | 49.48  | 32.26        | 8.96    | 7.91 | 6.5        | 3.23            | 101.0 |
| 51       | 11/29/2011 04:16:19 | 11.58  | 49.27  | 32.11        | 8.92    | 7.86 | 6.3        | 3.17            | 100.3 |
| 52       | 11/29/2011 04:31:19 | 11.47  | 48.51  | 31.55        | 8.66    | 7.81 | 7.9        | 3.11            | 96.8  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%  |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |      |
| 53       | 11/29/2011 04:46:19 | 11.50  | 48.64  | 31.64        | 8.75    | 7.82 | 10.0       | 3.02   | 98.0 |
| 54       | 11/29/2011 05:01:19 | 11.49  | 48.73  | 31.71        | 8.75    | 7.82 | 8.1        | 2.96   | 98.0 |
| 55       | 11/29/2011 05:16:19 | 11.47  | 48.42  | 31.48        | 8.68    | 7.81 | 9.3        | 2.86   | 97.1 |
| 56       | 11/29/2011 05:31:19 | 11.46  | 48.22  | 31.34        | 8.62    | 7.80 | 8.8        | 2.78   | 96.3 |
| 57       | 11/29/2011 05:46:19 | 11.45  | 48.05  | 31.21        | 8.58    | 7.79 | 8.4        | 2.70   | 95.7 |
| 58       | 11/29/2011 06:01:19 | 11.43  | 48.09  | 31.24        | 8.52    | 7.78 | 7.9        | 2.62   | 95.1 |
| 59       | 11/29/2011 06:16:19 | 11.42  | 47.86  | 31.08        | 8.46    | 7.78 | 7.7        | 2.57   | 94.2 |
| 60       | 11/29/2011 06:31:19 | 11.41  | 48.04  | 31.21        | 8.45    | 7.78 | 7.4        | 2.50   | 94.3 |
| 61       | 11/29/2011 06:46:19 | 11.40  | 47.96  | 31.15        | 8.41    | 7.77 | 7.1        | 2.43   | 93.7 |
| 62       | 11/29/2011 07:01:19 | 11.39  | 48.32  | 31.41        | 8.48    | 7.78 | 7.9        | 2.37   | 94.6 |
| 63       | 11/29/2011 07:16:19 | 11.39  | 48.09  | 31.24        | 8.49    | 7.79 | 7.5        | 2.32   | 94.7 |
| 64       | 11/29/2011 07:31:19 | 11.37  | 47.85  | 31.07        | 8.46    | 7.78 | 7.0        | 2.26   | 94.2 |
| 65       | 11/29/2011 07:46:19 | 11.35  | 47.97  | 31.15        | 8.38    | 7.77 | 6.7        | 2.21   | 93.3 |
| 66       | 11/29/2011 08:01:19 | 11.33  | 47.79  | 31.02        | 8.37    | 7.76 | 6.5        | 2.18   | 93.1 |
| 67       | 11/29/2011 08:16:19 | 11.30  | 47.51  | 30.82        | 8.28    | 7.74 | 6.0        | 2.17   | 91.9 |
| 68       | 11/29/2011 08:31:19 | 11.28  | 47.34  | 30.70        | 8.23    | 7.73 | 5.5        | 2.15   | 91.2 |
| 69       | 11/29/2011 08:46:19 | 11.27  | 47.41  | 30.74        | 8.12    | 7.73 | 5.9        | 2.16   | 90.1 |
| 70       | 11/29/2011 09:01:18 | 11.31  | 47.44  | 30.77        | 8.29    | 7.78 | 6.2        | 2.21   | 92.0 |
| 71       | 11/29/2011 09:16:19 | 11.31  | 47.63  | 30.91        | 8.28    | 7.74 | 6.3        | 2.24   | 92.0 |
| 72       | 11/29/2011 09:31:19 | 11.33  | 47.73  | 30.98        | 8.31    | 7.75 | 6.6        | 2.28   | 92.4 |
| 73       | 11/29/2011 09:46:19 | 11.31  | 47.61  | 30.89        | 8.29    | 7.74 | 7.5        | 2.36   | 92.1 |
| 74       | 11/29/2011 10:01:19 | 11.30  | 47.19  | 30.59        | 8.28    | 7.74 | 7.1        | 2.42   | 91.8 |
| 75       | 11/29/2011 10:16:19 | 11.34  | 47.48  | 30.80        | 8.34    | 7.75 | 6.8        | 2.48   | 92.6 |
| 76       | 11/29/2011 10:31:19 | 11.38  | 47.93  | 31.13        | 8.40    | 7.77 | 7.1        | 2.55   | 93.5 |
| 77       | 11/29/2011 10:46:19 | 11.40  | 48.13  | 31.27        | 8.45    | 7.78 | 6.9        | 2.63   | 94.3 |
| 78       | 11/29/2011 11:01:19 | 11.43  | 48.31  | 31.40        | 8.51    | 7.79 | 6.8        | 2.68   | 95.1 |
| 79       | 11/29/2011 11:16:19 | 11.47  | 48.50  | 31.54        | 8.64    | 7.80 | 6.4        | 2.75   | 96.7 |
| 80       | 11/29/2011 11:31:19 | 11.49  | 48.21  | 31.33        | 8.71    | 7.81 | 6.2        | 2.82   | 97.3 |
| 81       | 11/29/2011 11:46:19 | 11.50  | 48.63  | 31.64        | 8.73    | 7.81 | 6.5        | 2.88   | 97.8 |
| 82       | 11/29/2011 12:01:19 | 11.51  | 48.72  | 31.70        | 8.76    | 7.82 | 6.6        | 2.96   | 98.2 |
| 83       | 11/29/2011 12:16:19 | 11.52  | 48.48  | 31.53        | 8.79    | 7.82 | 7.0        | 3.03   | 98.5 |
| 84       | 11/29/2011 12:31:19 | 11.54  | 48.69  | 31.68        | 8.82    | 7.83 | 6.8        | 3.11   | 98.9 |
| 85       | 11/29/2011 12:46:19 | 11.55  | 49.13  | 32.00        | 8.81    | 7.83 | 6.9        | 3.17   | 99.0 |
| 86       | 11/29/2011 13:01:19 | 11.55  | 49.24  | 32.08        | 8.82    | 7.94 | 7.0        | 3.24   | 99.2 |
| 87       | 11/29/2011 13:16:19 | 11.57  | 49.00  | 31.91        | 8.87    | 7.85 | 7.3        | 3.30   | 99.7 |
| 88       | 11/29/2011 13:31:19 | 11.58  | 49.45  | 32.24        | 8.86    | 7.85 | 6.5        | 3.35   | 99.8 |
| 89       | 11/29/2011 13:46:19 | 11.58  | 49.06  | 31.96        | 8.88    | 7.85 | 5.7        | 3.40   | 99.8 |
| 90       | 11/29/2011 14:01:18 | 11.59  | 48.92  | 31.85        | 8.89    | 7.92 | 4.9        | 3.41   | 99.9 |
| 91       | 11/29/2011 14:16:18 | 11.59  | 49.44  | 32.23        | 8.79    | 7.92 | 3.7        | 3.44   | 99.0 |
| 92       | 11/29/2011 14:31:19 | 11.59  | 49.27  | 32.11        | 8.84    | 7.85 | 4.9        | 3.45   | 99.5 |
| 93       | 11/29/2011 14:46:19 | 11.59  | 49.58  | 32.33        | 8.79    | 7.85 | 5.1        | 3.43   | 99.1 |
| 94       | 11/29/2011 15:01:19 | 11.59  | 49.29  | 32.12        | 8.82    | 7.85 | 5.5        | 3.38   | 99.3 |
| 95       | 11/29/2011 15:16:19 | 11.58  | 49.21  | 32.06        | 8.84    | 7.85 | 5.9        | 3.33   | 99.4 |
| 96       | 11/29/2011 15:31:19 | 11.56  | 48.70  | 31.69        | 8.82    | 7.83 | 7.4        | 3.26   | 98.9 |
| 97       | 11/29/2011 15:46:19 | 11.54  | 49.00  | 31.91        | 8.81    | 7.83 | 8.1        | 3.17   | 99.0 |
| 98       | 11/29/2011 16:01:19 | 11.52  | 49.02  | 31.92        | 8.83    | 7.83 | 13.4       | 3.06   | 99.2 |
| 99       | 11/29/2011 16:16:19 | 11.51  | 48.58  | 31.60        | 8.79    | 7.82 | 14.5       | 2.97   | 98.5 |
| 100      | 11/29/2011 16:31:19 | 11.50  | 48.83  | 31.79        | 8.73    | 7.91 | 14.1       | 2.86   | 97.9 |
| 101      | 11/29/2011 16:46:19 | 11.47  | 48.67  | 31.67        | 8.70    | 7.80 | 16.4       | 2.76   | 97.4 |
| 102      | 11/29/2011 17:01:19 | 11.43  | 48.16  | 31.30        | 8.71    | 7.80 | 20.1       | 2.64   | 97.2 |
| 103      | 11/29/2011 17:16:19 | 11.38  | 48.76  | 31.72        | 8.72    | 7.81 | 25.6       | 2.51   | 97.5 |
| 104      | 11/29/2011 17:31:19 | 11.37  | 48.57  | 31.59        | 8.72    | 7.80 | 31.7       | 2.39   | 97.4 |
| 105      | 11/29/2011 17:46:19 | 11.33  | 48.44  | 31.49        | 8.69    | 7.79 | 29.5       | 2.28   | 96.9 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%  |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |      |
| 106      | 11/29/2011 18:01:19 | 11.32  | 48.37  | 31.44        | 8.66    | 7.79 | 33.1       | 2.13   | 96.5 |
| 107      | 11/29/2011 18:16:19 | 11.28  | 48.15  | 31.28        | 8.63    | 7.78 | 29.5       | 2.00   | 96.0 |
| 108      | 11/29/2011 18:31:19 | 11.28  | 47.94  | 31.13        | 8.58    | 7.77 | 30.3       | 1.87   | 95.3 |
| 109      | 11/29/2011 18:46:19 | 11.23  | 47.90  | 31.10        | 8.60    | 7.78 | 28.7       | 1.72   | 95.5 |
| 110      | 11/29/2011 19:01:19 | 11.22  | 47.92  | 31.11        | 8.55    | 7.77 | 27.1       | 1.59   | 94.9 |
| 111      | 11/29/2011 19:16:18 | 11.22  | 47.59  | 30.87        | 8.56    | 7.76 | 26.5       | 1.45   | 94.8 |
| 112      | 11/29/2011 19:31:19 | 11.25  | 47.76  | 30.99        | 8.51    | 7.76 | 23.6       | 1.34   | 94.4 |
| 113      | 11/29/2011 19:46:19 | 11.23  | 47.64  | 30.91        | 8.51    | 7.75 | 23.0       | 1.24   | 94.3 |
| 114      | 11/29/2011 20:01:19 | 11.20  | 47.49  | 30.80        | 8.50    | 7.75 | 20.4       | 1.12   | 94.1 |
| 115      | 11/29/2011 20:16:19 | 11.18  | 47.48  | 30.79        | 8.47    | 7.74 | 19.6       | 1.05   | 93.7 |
| 116      | 11/29/2011 20:31:19 | 11.15  | 47.29  | 30.65        | 8.46    | 7.73 | 17.0       | 1.00   | 93.5 |
| 117      | 11/29/2011 20:46:19 | 11.13  | 47.55  | 30.84        | 8.37    | 7.73 | 14.1       | 0.99   | 92.6 |
| 118      | 11/29/2011 21:01:19 | 11.09  | 47.13  | 30.53        | 8.38    | 7.71 | 16.3       | 1.04   | 92.4 |
| 119      | 11/29/2011 21:16:19 | 11.08  | 47.01  | 30.45        | 8.43    | 7.71 | 15.7       | 1.08   | 92.9 |
| 120      | 11/29/2011 21:31:19 | 11.06  | 46.96  | 30.41        | 8.43    | 7.71 | 15.6       | 1.15   | 92.8 |
| 121      | 11/29/2011 21:46:19 | 11.07  | 47.15  | 30.55        | 8.41    | 7.70 | 17.4       | 1.21   | 92.7 |
| 122      | 11/29/2011 22:01:19 | 11.11  | 47.15  | 30.55        | 8.40    | 7.71 | 15.9       | 1.28   | 92.7 |
| 123      | 11/29/2011 22:16:19 | 11.04  | 46.91  | 30.37        | 8.38    | 7.70 | 13.7       | 1.34   | 92.2 |
| 124      | 11/29/2011 22:31:19 | 10.96  | 46.19  | 29.85        | 8.41    | 7.69 | 13.4       | 1.41   | 92.1 |
| 125      | 11/29/2011 22:46:19 | 11.04  | 46.65  | 30.19        | 8.39    | 7.70 | 13.1       | 1.50   | 92.3 |
| 126      | 11/29/2011 23:01:19 | 11.04  | 46.81  | 30.30        | 8.38    | 7.70 | 12.4       | 1.55   | 92.2 |
| 127      | 11/29/2011 23:16:19 | 11.07  | 46.45  | 30.04        | 8.38    | 7.70 | 12.1       | 1.65   | 92.1 |
| 128      | 11/29/2011 23:31:19 | 11.10  | 46.88  | 30.36        | 8.40    | 7.71 | 12.6       | 1.74   | 92.5 |
| 129      | 11/29/2011 23:46:19 | 11.19  | 47.09  | 30.51        | 8.41    | 7.73 | 13.4       | 1.83   | 92.9 |
| 130      | 11/30/2011 00:01:19 | 11.22  | 47.50  | 30.81        | 8.42    | 7.74 | 12.9       | 1.93   | 93.3 |
| 131      | 11/30/2011 00:16:19 | 11.25  | 47.47  | 30.79        | 8.45    | 7.75 | 12.9       | 2.03   | 93.7 |
| 132      | 11/30/2011 00:31:19 | 11.27  | 47.84  | 31.05        | 8.47    | 7.76 | 13.2       | 2.14   | 94.0 |
| 133      | 11/30/2011 00:46:19 | 11.29  | 47.80  | 31.03        | 8.50    | 7.77 | 16.6       | 2.25   | 94.5 |
| 134      | 11/30/2011 01:01:19 | 11.27  | 47.85  | 31.06        | 8.54    | 7.78 | 16.3       | 2.35   | 94.8 |
| 135      | 11/30/2011 01:16:19 | 11.27  | 47.85  | 31.07        | 8.57    | 7.78 | 15.8       | 2.44   | 95.1 |
| 136      | 11/30/2011 01:31:19 | 11.29  | 48.13  | 31.26        | 8.58    | 7.79 | 16.4       | 2.55   | 95.5 |
| 137      | 11/30/2011 01:46:19 | 11.31  | 48.12  | 31.26        | 8.52    | 7.79 | 16.3       | 2.62   | 94.8 |
| 138      | 11/30/2011 02:01:19 | 11.29  | 48.19  | 31.31        | 8.63    | 7.80 | 20.5       | 2.71   | 96.1 |
| 139      | 11/30/2011 02:16:19 | 11.30  | 48.30  | 31.39        | 8.67    | 7.80 | 19.4       | 2.79   | 96.6 |
| 140      | 11/30/2011 02:31:19 | 11.33  | 48.45  | 31.50        | 8.72    | 7.81 | 15.1       | 2.87   | 97.2 |
| 141      | 11/30/2011 02:46:19 | 11.34  | 48.87  | 31.80        | 8.81    | 7.82 | 15.0       | 2.93   | 98.4 |
| 142      | 11/30/2011 03:01:19 | 11.32  | 48.87  | 31.80        | 8.84    | 7.83 | 13.1       | 2.99   | 98.7 |
| 143      | 11/30/2011 03:16:19 | 11.33  | 49.17  | 32.02        | 8.84    | 7.83 | 11.7       | 3.06   | 98.9 |
| 144      | 11/30/2011 03:31:19 | 11.33  | 49.21  | 32.05        | 8.82    | 7.83 | 9.6        | 3.10   | 98.7 |
| 145      | 11/30/2011 03:46:19 | 11.33  | 49.22  | 32.06        | 8.84    | 7.84 | 7.9        | 3.16   | 98.9 |
| 146      | 11/30/2011 04:01:19 | 11.32  | 49.23  | 32.06        | 8.83    | 7.84 | 6.2        | 3.18   | 98.8 |
| 147      | 11/30/2011 04:16:19 | 11.31  | 49.09  | 31.96        | 8.75    | 7.83 | 5.6        | 3.20   | 97.8 |
| 148      | 11/30/2011 04:31:19 | 11.32  | 49.17  | 32.02        | 8.80    | 7.83 | 6.2        | 3.20   | 98.4 |
| 149      | 11/30/2011 04:46:19 | 11.32  | 49.23  | 32.06        | 8.86    | 7.84 | 7.2        | 3.17   | 99.1 |
| 150      | 11/30/2011 05:01:19 | 11.32  | 49.22  | 32.06        | 8.82    | 7.83 | 8.5        | 3.13   | 98.7 |
| 151      | 11/30/2011 05:16:19 | 11.31  | 49.11  | 31.97        | 8.82    | 7.83 | 8.4        | 3.07   | 98.6 |
| 152      | 11/30/2011 05:31:19 | 11.25  | 48.87  | 31.80        | 8.77    | 7.82 | 10.8       | 3.00   | 97.8 |
| 153      | 11/30/2011 05:46:19 | 11.14  | 48.99  | 31.88        | 8.72    | 7.82 | 11.7       | 2.92   | 97.0 |
| 154      | 11/30/2011 06:01:19 | 11.11  | 48.90  | 31.81        | 8.75    | 7.82 | 11.8       | 2.85   | 97.3 |
| 155      | 11/30/2011 06:16:19 | 11.02  | 48.79  | 31.73        | 8.74    | 7.82 | 11.8       | 2.77   | 96.9 |
| 156      | 11/30/2011 06:31:19 | 10.97  | 48.94  | 31.83        | 8.68    | 7.81 | 11.4       | 2.69   | 96.2 |
| 157      | 11/30/2011 06:46:18 | 10.91  | 47.99  | 31.15        | 8.64    | 7.78 | 11.5       | 2.63   | 95.3 |
| 158      | 11/30/2011 07:01:19 | 10.86  | 48.37  | 31.42        | 8.60    | 7.79 | 10.9       | 2.56   | 94.9 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 159      | 11/30/2011 07:16:19 | 10.92  | 48.60  | 31.58        | 8.56    | 7.79 | 10.3       | 2.48   | 94.7  |
| 160      | 11/30/2011 07:31:19 | 10.91  | 48.62  | 31.60        | 8.54    | 7.81 | 9.5        | 2.43   | 94.5  |
| 161      | 11/30/2011 07:46:19 | 10.90  | 48.32  | 31.38        | 8.56    | 7.80 | 9.3        | 2.35   | 94.5  |
| 162      | 11/30/2011 08:01:19 | 10.95  | 48.07  | 31.20        | 8.53    | 7.78 | 9.3        | 2.32   | 94.1  |
| 163      | 11/30/2011 08:16:19 | 10.93  | 47.95  | 31.12        | 8.54    | 7.78 | 8.6        | 2.23   | 94.2  |
| 164      | 11/30/2011 08:31:19 | 10.87  | 47.79  | 31.00        | 8.51    | 7.77 | 8.8        | 2.20   | 93.6  |
| 165      | 11/30/2011 08:46:19 | 10.87  | 47.93  | 31.10        | 8.48    | 7.76 | 8.9        | 2.17   | 93.3  |
| 166      | 11/30/2011 09:01:19 | 10.82  | 47.72  | 30.95        | 8.47    | 7.76 | 8.5        | 2.14   | 93.1  |
| 167      | 11/30/2011 09:16:19 | 10.83  | 47.69  | 30.93        | 8.49    | 7.75 | 8.1        | 2.12   | 93.3  |
| 168      | 11/30/2011 09:31:19 | 10.85  | 47.80  | 31.01        | 8.46    | 7.75 | 7.9        | 2.10   | 93.1  |
| 169      | 11/30/2011 09:46:19 | 10.83  | 47.60  | 30.86        | 8.39    | 7.74 | 6.9        | 2.11   | 92.2  |
| 170      | 11/30/2011 10:01:19 | 10.86  | 47.87  | 31.06        | 8.45    | 7.78 | 8.0        | 2.14   | 93.1  |
| 171      | 11/30/2011 10:16:19 | 10.89  | 47.52  | 30.80        | 8.47    | 7.75 | 7.8        | 2.15   | 93.2  |
| 172      | 11/30/2011 10:31:19 | 10.92  | 47.53  | 30.82        | 8.46    | 7.75 | 7.9        | 2.17   | 93.1  |
| 173      | 11/30/2011 10:46:19 | 10.96  | 47.69  | 30.93        | 8.49    | 7.76 | 8.0        | 2.25   | 93.6  |
| 174      | 11/30/2011 11:01:19 | 10.99  | 47.76  | 30.99        | 8.49    | 7.77 | 8.7        | 2.31   | 93.7  |
| 175      | 11/30/2011 11:16:19 | 10.93  | 47.52  | 30.81        | 8.52    | 7.76 | 8.8        | 2.36   | 93.8  |
| 176      | 11/30/2011 11:31:19 | 10.94  | 47.64  | 30.89        | 8.50    | 7.76 | 8.7        | 2.44   | 93.7  |
| 177      | 11/30/2011 11:46:19 | 10.96  | 47.93  | 31.11        | 8.51    | 7.76 | 8.1        | 2.50   | 93.9  |
| 178      | 11/30/2011 12:01:19 | 11.05  | 48.03  | 31.18        | 8.56    | 7.78 | 7.6        | 2.57   | 94.7  |
| 179      | 11/30/2011 12:16:19 | 11.07  | 47.77  | 30.99        | 8.59    | 7.78 | 7.4        | 2.64   | 95.0  |
| 180      | 11/30/2011 12:31:19 | 11.15  | 48.37  | 31.43        | 8.63    | 7.79 | 7.5        | 2.69   | 95.9  |
| 181      | 11/30/2011 12:46:19 | 11.20  | 48.75  | 31.71        | 8.69    | 7.83 | 7.0        | 2.76   | 96.8  |
| 182      | 11/30/2011 13:01:19 | 11.20  | 48.53  | 31.55        | 8.72    | 7.81 | 6.7        | 2.81   | 97.0  |
| 183      | 11/30/2011 13:16:19 | 11.21  | 48.63  | 31.62        | 8.73    | 7.81 | 6.6        | 2.89   | 97.2  |
| 184      | 11/30/2011 13:31:19 | 11.22  | 48.68  | 31.66        | 8.74    | 7.81 | 6.3        | 2.94   | 97.3  |
| 185      | 11/30/2011 13:46:19 | 11.23  | 48.70  | 31.68        | 8.74    | 7.81 | 6.1        | 2.99   | 97.4  |
| 186      | 11/30/2011 14:01:19 | 11.24  | 48.79  | 31.74        | 8.74    | 7.81 | 6.2        | 3.00   | 97.4  |
| 187      | 11/30/2011 14:16:19 | 11.25  | 48.74  | 31.71        | 8.76    | 7.82 | 5.2        | 3.03   | 97.7  |
| 188      | 11/30/2011 14:31:19 | 11.27  | 48.82  | 31.76        | 8.80    | 7.82 | 4.8        | 3.06   | 98.1  |
| 189      | 11/30/2011 14:46:19 | 11.27  | 48.68  | 31.66        | 8.73    | 7.82 | 5.1        | 3.14   | 97.3  |
| 190      | 11/30/2011 15:01:19 | 11.29  | 48.92  | 31.84        | 8.76    | 7.82 | 5.9        | 3.11   | 97.8  |
| 191      | 11/30/2011 15:16:19 | 11.29  | 48.58  | 31.59        | 8.78    | 7.82 | 5.9        | 3.11   | 97.9  |
| 192      | 11/30/2011 15:31:19 | 11.32  | 48.92  | 31.84        | 8.86    | 7.82 | 10.6       | 3.07   | 99.0  |
| 193      | 11/30/2011 15:46:19 | 11.33  | 48.79  | 31.75        | 9.02    | 7.83 | 17.7       | 3.06   | 100.8 |
| 194      | 11/30/2011 16:01:19 | 11.31  | 48.92  | 31.84        | 9.02    | 7.83 | 15.9       | 2.99   | 100.8 |
| 195      | 11/30/2011 16:16:19 | 11.29  | 48.83  | 31.77        | 9.02    | 7.83 | 15.1       | 2.96   | 100.7 |
| 196      | 11/30/2011 16:31:19 | 11.27  | 48.87  | 31.80        | 9.00    | 7.83 | 17.5       | 2.90   | 100.4 |
| 197      | 11/30/2011 16:46:19 | 11.24  | 49.10  | 31.96        | 8.97    | 7.87 | 14.1       | 2.87   | 100.2 |
| 198      | 11/30/2011 17:01:19 | 11.25  | 48.78  | 31.73        | 9.02    | 7.83 | 22.9       | 2.77   | 100.5 |
| 199      | 11/30/2011 17:16:19 | 11.23  | 48.55  | 31.57        | 9.01    | 7.83 | 18.1       | 2.69   | 100.2 |
| 200      | 11/30/2011 17:31:19 | 11.19  | 48.47  | 31.50        | 8.91    | 7.81 | 22.8       | 2.63   | 99.0  |
| 201      | 11/30/2011 17:46:19 | 11.15  | 48.39  | 31.44        | 8.88    | 7.81 | 23.8       | 2.57   | 98.6  |
| 202      | 11/30/2011 18:01:19 | 11.11  | 48.46  | 31.49        | 8.83    | 7.80 | 27.3       | 2.46   | 98.0  |
| 203      | 11/30/2011 18:16:19 | 11.07  | 48.19  | 31.30        | 8.81    | 7.79 | 28.1       | 2.35   | 97.6  |
| 204      | 11/30/2011 18:31:19 | 11.02  | 48.17  | 31.28        | 8.80    | 7.78 | 31.2       | 2.24   | 97.4  |
| 205      | 11/30/2011 18:46:19 | 11.01  | 48.17  | 31.28        | 8.77    | 7.77 | 29.0       | 2.15   | 97.0  |
| 206      | 11/30/2011 19:01:19 | 10.99  | 47.99  | 31.15        | 8.80    | 7.77 | 29.0       | 2.05   | 97.3  |
| 207      | 11/30/2011 19:16:19 | 10.97  | 47.99  | 31.15        | 8.77    | 7.77 | 29.2       | 1.89   | 96.8  |
| 208      | 11/30/2011 19:31:19 | 10.87  | 47.75  | 30.97        | 8.80    | 7.77 | 25.1       | 1.79   | 96.9  |
| 209      | 11/30/2011 19:46:19 | 10.83  | 47.72  | 30.94        | 8.81    | 7.78 | 26.2       | 1.69   | 96.8  |
| 210      | 11/30/2011 20:01:19 | 10.87  | 47.68  | 30.92        | 8.78    | 7.76 | 27.1       | 1.58   | 96.6  |
| 211      | 11/30/2011 20:16:19 | 10.86  | 47.73  | 30.96        | 8.78    | 7.76 | 25.5       | 1.49   | 96.6  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|---------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                     |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 212      | 11/30/2011 20:31:19 | 10.89  | 47.43  | 30.74        | 8.76    | 7.75 | 26.2       | 1.43   | 96.2  |
| 213      | 11/30/2011 20:46:19 | 10.87  | 47.51  | 30.80        | 8.79    | 7.75 | 24.9       | 1.32   | 96.6  |
| 214      | 11/30/2011 21:01:19 | 10.85  | 47.51  | 30.80        | 8.79    | 7.75 | 26.8       | 1.27   | 96.6  |
| 215      | 11/30/2011 21:16:19 | 10.79  | 47.14  | 30.53        | 8.83    | 7.75 | 27.7       | 1.23   | 96.8  |
| 216      | 11/30/2011 21:31:19 | 10.78  | 46.95  | 30.39        | 8.85    | 7.75 | 26.7       | 1.20   | 96.9  |
| 217      | 11/30/2011 21:46:19 | 10.73  | 47.44  | 30.74        | 8.87    | 7.75 | 24.8       | 1.17   | 97.2  |
| 218      | 11/30/2011 22:01:19 | 10.69  | 47.21  | 30.58        | 8.76    | 7.75 | 23.6       | 1.17   | 95.7  |
| 219      | 11/30/2011 22:16:19 | 10.74  | 46.96  | 30.40        | 8.84    | 7.75 | 24.4       | 1.22   | 96.6  |
| 220      | 11/30/2011 22:31:19 | 10.73  | 47.42  | 30.73        | 8.85    | 7.75 | 23.5       | 1.25   | 96.9  |
| 221      | 11/30/2011 22:46:19 | 10.79  | 47.51  | 30.79        | 8.84    | 7.75 | 23.4       | 1.31   | 97.0  |
| 222      | 11/30/2011 23:01:19 | 10.79  | 47.60  | 30.86        | 8.81    | 7.77 | 23.9       | 1.40   | 96.8  |
| 223      | 11/30/2011 23:16:19 | 10.74  | 47.38  | 30.70        | 8.84    | 7.78 | 22.9       | 1.46   | 96.9  |
| 224      | 11/30/2011 23:31:19 | 10.75  | 46.89  | 30.35        | 8.85    | 7.76 | 22.4       | 1.56   | 96.8  |
| 225      | 11/30/2011 23:46:19 | 10.84  | 47.37  | 30.69        | 8.82    | 7.75 | 22.5       | 1.62   | 96.8  |
| 226      | 12/1/2011 00:01:19  | 10.87  | 46.86  | 30.33        | 8.80    | 7.75 | 21.6       | 1.70   | 96.5  |
| 227      | 12/1/2011 00:16:19  | 10.92  | 47.19  | 30.57        | 8.81    | 7.75 | 21.2       | 1.79   | 96.8  |
| 228      | 12/1/2011 00:31:19  | 10.93  | 47.29  | 30.64        | 8.79    | 7.75 | 22.9       | 1.88   | 96.6  |
| 229      | 12/1/2011 00:46:19  | 10.96  | 47.46  | 30.77        | 8.78    | 7.75 | 21.2       | 1.97   | 96.6  |
| 230      | 12/1/2011 01:01:19  | 11.00  | 47.54  | 30.83        | 8.77    | 7.76 | 19.2       | 2.05   | 96.7  |
| 231      | 12/1/2011 01:16:19  | 10.99  | 47.66  | 30.91        | 8.78    | 7.77 | 18.5       | 2.14   | 96.9  |
| 232      | 12/1/2011 01:31:19  | 11.00  | 47.93  | 31.10        | 8.80    | 7.78 | 19.2       | 2.24   | 97.2  |
| 233      | 12/1/2011 01:46:19  | 11.02  | 48.15  | 31.26        | 8.81    | 7.79 | 17.6       | 2.34   | 97.5  |
| 234      | 12/1/2011 02:01:19  | 10.99  | 47.89  | 31.07        | 8.83    | 7.79 | 15.9       | 2.42   | 97.5  |
| 235      | 12/1/2011 02:16:19  | 10.98  | 48.12  | 31.24        | 8.83    | 7.79 | 16.1       | 2.50   | 97.6  |
| 236      | 12/1/2011 02:31:19  | 11.00  | 48.04  | 31.18        | 8.82    | 7.79 | 19.0       | 2.58   | 97.5  |
| 237      | 12/1/2011 02:46:19  | 11.06  | 48.06  | 31.20        | 8.84    | 7.80 | 19.7       | 2.65   | 97.8  |
| 238      | 12/1/2011 03:01:19  | 11.06  | 48.27  | 31.36        | 8.88    | 7.81 | 23.8       | 2.73   | 98.3  |
| 239      | 12/1/2011 03:16:19  | 11.07  | 48.33  | 31.40        | 8.90    | 7.82 | 20.0       | 2.80   | 98.6  |
| 240      | 12/1/2011 03:31:19  | 11.05  | 48.50  | 31.52        | 8.93    | 7.82 | 17.4       | 2.85   | 99.0  |
| 241      | 12/1/2011 03:46:19  | 11.05  | 48.56  | 31.56        | 8.95    | 7.83 | 14.4       | 2.92   | 99.3  |
| 242      | 12/1/2011 04:01:19  | 11.06  | 48.76  | 31.71        | 9.10    | 7.84 | 13.0       | 2.98   | 101.0 |
| 243      | 12/1/2011 04:16:19  | 11.06  | 49.04  | 31.91        | 9.18    | 7.85 | 11.4       | 3.01   | 102.1 |
| 244      | 12/1/2011 04:31:19  | 11.05  | 48.98  | 31.87        | 9.19    | 7.85 | 8.7        | 3.06   | 102.1 |
| 245      | 12/1/2011 04:46:19  | 11.05  | 49.20  | 32.02        | 9.25    | 7.85 | 8.0        | 3.11   | 102.9 |
| 246      | 12/1/2011 05:01:19  | 11.06  | 49.21  | 32.04        | 9.24    | 7.85 | 6.1        | 3.13   | 102.8 |
| 247      | 12/1/2011 05:16:19  | 11.03  | 49.17  | 32.00        | 9.13    | 7.85 | 8.2        | 3.12   | 101.5 |
| 248      | 12/1/2011 05:31:19  | 11.05  | 49.16  | 31.99        | 9.27    | 7.85 | 8.7        | 3.11   | 103.1 |
| 249      | 12/1/2011 05:46:19  | 11.05  | 49.45  | 32.21        | 9.26    | 7.85 | 8.7        | 3.08   | 103.1 |
| 250      | 12/1/2011 06:01:19  | 11.05  | 49.33  | 32.12        | 9.22    | 7.85 | 10.4       | 3.03   | 102.6 |
| 251      | 12/1/2011 06:16:19  | 10.37  | 48.29  | 31.33        | 8.72    | 7.82 | 12.1       | 2.98   | 95.1  |
| 252      | 12/1/2011 06:31:19  | 10.77  | 48.70  | 31.65        | 8.86    | 7.81 | 12.1       | 2.90   | 97.7  |
| 253      | 12/1/2011 06:46:19  | 10.55  | 48.48  | 31.48        | 8.72    | 7.80 | 12.2       | 2.83   | 95.7  |
| 254      | 12/1/2011 07:01:19  | 10.65  | 48.78  | 31.70        | 8.83    | 7.84 | 9.8        | 2.76   | 97.1  |
| 255      | 12/1/2011 07:16:19  | 10.62  | 48.36  | 31.39        | 8.83    | 7.83 | 9.3        | 2.69   | 96.9  |
| 256      | 12/1/2011 07:31:19  | 10.56  | 48.36  | 31.39        | 8.78    | 7.82 | 10.3       | 2.62   | 96.2  |
| 257      | 12/1/2011 07:46:19  | 10.48  | 48.16  | 31.24        | 8.73    | 7.80 | 12.3       | 2.54   | 95.4  |
| 258      | 12/1/2011 08:01:19  | 10.40  | 48.01  | 31.13        | 8.68    | 7.79 | 12.5       | 2.47   | 94.6  |
| 259      | 12/1/2011 08:16:19  | 10.26  | 48.16  | 31.23        | 8.66    | 7.80 | 12.1       | 2.41   | 94.1  |
| 260      | 12/1/2011 08:31:19  | 10.22  | 48.04  | 31.14        | 8.69    | 7.79 | 9.9        | 2.34   | 94.4  |
| 261      | 12/1/2011 08:46:19  | 10.28  | 47.88  | 31.03        | 8.76    | 7.79 | 11.1       | 2.27   | 95.2  |
| 262      | 12/1/2011 09:01:19  | 10.27  | 47.56  | 30.80        | 8.80    | 7.79 | 10.8       | 2.22   | 95.4  |
| 263      | 12/1/2011 09:16:19  | 10.33  | 48.11  | 31.20        | 8.79    | 7.79 | 10.7       | 2.16   | 95.8  |
| 264      | 12/1/2011 09:31:19  | 10.34  | 47.89  | 31.04        | 8.80    | 7.79 | 10.3       | 2.10   | 95.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 265      | 12/1/2011 09:46:19 | 10.36  | 47.95  | 31.09        | 8.79    | 7.78 | 10.6       | 2.09   | 95.7  |
| 266      | 12/1/2011 10:01:19 | 10.31  | 47.39  | 30.68        | 8.79    | 7.78 | 9.8        | 2.05   | 95.3  |
| 267      | 12/1/2011 10:16:19 | 10.31  | 47.56  | 30.80        | 8.66    | 7.77 | 10.1       | 2.02   | 94.0  |
| 268      | 12/1/2011 10:31:19 | 10.31  | 47.28  | 30.60        | 8.64    | 7.77 | 9.9        | 2.02   | 93.7  |
| 269      | 12/1/2011 10:46:19 | 10.33  | 47.49  | 30.75        | 8.75    | 7.78 | 10.6       | 2.03   | 95.1  |
| 270      | 12/1/2011 11:01:19 | 10.35  | 47.85  | 31.01        | 8.74    | 7.78 | 10.2       | 2.02   | 95.1  |
| 271      | 12/1/2011 11:16:19 | 10.34  | 47.90  | 31.05        | 8.72    | 7.79 | 10.1       | 2.05   | 94.9  |
| 272      | 12/1/2011 11:31:19 | 10.39  | 47.80  | 30.98        | 8.74    | 7.78 | 10.4       | 2.10   | 95.2  |
| 273      | 12/1/2011 11:46:19 | 10.44  | 47.84  | 31.01        | 8.74    | 7.78 | 10.1       | 2.13   | 95.3  |
| 274      | 12/1/2011 12:01:19 | 10.47  | 48.02  | 31.14        | 8.74    | 7.80 | 10.3       | 2.18   | 95.4  |
| 275      | 12/1/2011 12:16:19 | 10.52  | 47.66  | 30.88        | 8.75    | 7.79 | 9.7        | 2.22   | 95.5  |
| 276      | 12/1/2011 12:31:19 | 10.52  | 47.84  | 31.02        | 8.75    | 7.79 | 9.3        | 2.28   | 95.6  |
| 277      | 12/1/2011 12:46:19 | 10.52  | 47.73  | 30.94        | 8.76    | 7.79 | 9.6        | 2.33   | 95.6  |
| 278      | 12/1/2011 13:01:19 | 10.56  | 47.93  | 31.08        | 8.75    | 7.79 | 9.3        | 2.37   | 95.7  |
| 279      | 12/1/2011 13:16:19 | 10.58  | 48.23  | 31.30        | 8.74    | 7.82 | 10.1       | 2.43   | 95.8  |
| 280      | 12/1/2011 13:31:19 | 10.62  | 48.22  | 31.30        | 8.75    | 7.80 | 9.1        | 2.47   | 95.9  |
| 281      | 12/1/2011 13:46:19 | 10.67  | 48.32  | 31.37        | 8.79    | 7.81 | 8.7        | 2.52   | 96.6  |
| 282      | 12/1/2011 14:01:19 | 10.78  | 48.60  | 31.58        | 8.81    | 7.84 | 8.5        | 2.57   | 97.2  |
| 283      | 12/1/2011 14:16:19 | 10.82  | 48.60  | 31.58        | 8.83    | 7.83 | 8.4        | 2.62   | 97.5  |
| 284      | 12/1/2011 14:31:19 | 10.88  | 48.66  | 31.63        | 8.90    | 7.84 | 7.6        | 2.67   | 98.4  |
| 285      | 12/1/2011 14:46:19 | 10.92  | 48.35  | 31.41        | 8.92    | 7.82 | 7.1        | 2.71   | 98.5  |
| 286      | 12/1/2011 15:01:19 | 10.95  | 48.70  | 31.66        | 8.96    | 7.82 | 7.0        | 2.75   | 99.2  |
| 287      | 12/1/2011 15:16:19 | 10.95  | 48.38  | 31.43        | 9.00    | 7.83 | 6.8        | 2.79   | 99.5  |
| 288      | 12/1/2011 15:31:19 | 10.96  | 48.65  | 31.63        | 8.99    | 7.83 | 6.4        | 2.83   | 99.6  |
| 289      | 12/1/2011 15:46:19 | 10.96  | 48.89  | 31.80        | 9.00    | 7.83 | 6.5        | 2.85   | 99.8  |
| 290      | 12/1/2011 16:01:19 | 10.97  | 48.96  | 31.85        | 9.00    | 7.84 | 5.9        | 2.86   | 99.8  |
| 291      | 12/1/2011 16:16:19 | 10.97  | 48.98  | 31.87        | 8.98    | 7.84 | 5.7        | 2.87   | 99.6  |
| 292      | 12/1/2011 16:31:19 | 10.97  | 48.88  | 31.79        | 9.04    | 7.84 | 5.9        | 2.86   | 100.2 |
| 293      | 12/1/2011 16:46:19 | 10.98  | 48.96  | 31.85        | 8.99    | 7.83 | 6.4        | 2.84   | 99.7  |
| 294      | 12/1/2011 17:01:19 | 10.98  | 48.84  | 31.76        | 9.00    | 7.83 | 7.3        | 2.82   | 99.8  |
| 295      | 12/1/2011 17:16:19 | 10.93  | 48.70  | 31.66        | 8.99    | 7.83 | 10.3       | 2.77   | 99.5  |
| 296      | 12/1/2011 17:31:19 | 10.89  | 48.53  | 31.53        | 8.97    | 7.84 | 10.8       | 2.73   | 99.1  |
| 297      | 12/1/2011 17:46:19 | 10.85  | 48.49  | 31.50        | 8.94    | 7.82 | 9.9        | 2.66   | 98.7  |
| 298      | 12/1/2011 18:01:19 | 10.83  | 48.63  | 31.60        | 8.88    | 7.84 | 10.8       | 2.60   | 98.0  |
| 299      | 12/1/2011 18:16:19 | 10.79  | 48.61  | 31.59        | 8.85    | 7.85 | 9.2        | 2.52   | 97.6  |
| 300      | 12/1/2011 18:31:19 | 10.76  | 48.61  | 31.59        | 8.86    | 7.84 | 9.0        | 2.43   | 97.7  |
| 301      | 12/1/2011 18:46:19 | 10.76  | 48.59  | 31.57        | 8.89    | 7.83 | 10.2       | 2.37   | 98.0  |
| 302      | 12/1/2011 19:01:19 | 10.71  | 48.59  | 31.57        | 8.85    | 7.83 | 10.5       | 2.27   | 97.4  |
| 303      | 12/1/2011 19:16:19 | 10.72  | 48.49  | 31.49        | 8.88    | 7.82 | 10.5       | 2.19   | 97.7  |
| 304      | 12/1/2011 19:31:19 | 10.60  | 48.27  | 31.33        | 8.83    | 7.82 | 11.7       | 2.09   | 96.8  |
| 305      | 12/1/2011 19:46:19 | 10.56  | 48.16  | 31.25        | 8.86    | 7.81 | 13.6       | 2.02   | 97.0  |
| 306      | 12/1/2011 20:01:19 | 10.50  | 47.98  | 31.12        | 8.85    | 7.81 | 13.3       | 1.92   | 96.7  |
| 307      | 12/1/2011 20:16:19 | 10.45  | 48.13  | 31.22        | 8.87    | 7.80 | 12.5       | 1.83   | 96.9  |
| 308      | 12/1/2011 20:31:19 | 10.41  | 48.03  | 31.15        | 8.96    | 7.80 | 13.2       | 1.75   | 97.7  |
| 309      | 12/1/2011 20:46:19 | 10.38  | 47.73  | 30.93        | 9.05    | 7.82 | 13.7       | 1.67   | 98.6  |
| 310      | 12/1/2011 21:01:19 | 10.31  | 47.80  | 30.97        | 9.21    | 7.82 | 14.7       | 1.61   | 100.1 |
| 311      | 12/1/2011 21:16:19 | 10.26  | 47.77  | 30.95        | 9.28    | 7.83 | 15.0       | 1.54   | 100.8 |
| 312      | 12/1/2011 21:31:19 | 10.27  | 47.65  | 30.87        | 9.29    | 7.82 | 14.3       | 1.49   | 100.8 |
| 313      | 12/1/2011 21:46:19 | 10.26  | 47.60  | 30.83        | 9.33    | 7.82 | 13.7       | 1.46   | 101.2 |
| 314      | 12/1/2011 22:01:19 | 10.23  | 47.48  | 30.74        | 9.30    | 7.83 | 12.8       | 1.41   | 100.7 |
| 315      | 12/1/2011 22:16:19 | 10.20  | 47.47  | 30.73        | 9.33    | 7.83 | 14.6       | 1.41   | 101.0 |
| 316      | 12/1/2011 22:31:19 | 10.18  | 47.54  | 30.78        | 9.20    | 7.83 | 12.5       | 1.40   | 99.6  |
| 317      | 12/1/2011 22:46:19 | 10.22  | 46.97  | 30.37        | 9.27    | 7.83 | 13.5       | 1.41   | 100.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth  | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|--------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        | meters |       |
| 318      | 12/1/2011 23:01:19 | 10.24  | 47.50  | 30.75        | 9.21    | 7.83 | 12.6       | 1.41   | 99.9  |
| 319      | 12/1/2011 23:16:19 | 10.28  | 47.51  | 30.77        | 9.19    | 7.82 | 12.3       | 1.47   | 99.7  |
| 320      | 12/1/2011 23:31:19 | 10.29  | 47.74  | 30.93        | 9.18    | 7.83 | 12.5       | 1.50   | 99.7  |
| 321      | 12/1/2011 23:46:19 | 10.29  | 47.51  | 30.77        | 9.16    | 7.82 | 12.1       | 1.55   | 99.4  |
| 322      | 12/2/2011 00:01:19 | 10.30  | 47.56  | 30.80        | 9.12    | 7.82 | 12.2       | 1.63   | 99.0  |
| 323      | 12/2/2011 00:16:19 | 10.31  | 47.39  | 30.68        | 9.10    | 7.81 | 12.3       | 1.67   | 98.8  |
| 324      | 12/2/2011 00:31:19 | 10.36  | 47.25  | 30.58        | 9.06    | 7.81 | 11.7       | 1.74   | 98.3  |
| 325      | 12/2/2011 00:46:19 | 10.38  | 47.50  | 30.77        | 9.00    | 7.80 | 11.5       | 1.82   | 97.8  |
| 326      | 12/2/2011 01:01:19 | 10.41  | 47.22  | 30.57        | 9.00    | 7.80 | 11.5       | 1.89   | 97.8  |
| 327      | 12/2/2011 01:16:19 | 10.43  | 47.62  | 30.85        | 8.94    | 7.80 | 11.8       | 1.96   | 97.4  |
| 328      | 12/2/2011 01:31:19 | 10.47  | 47.45  | 30.74        | 8.91    | 7.80 | 11.7       | 2.04   | 97.0  |
| 329      | 12/2/2011 01:46:19 | 10.48  | 47.55  | 30.80        | 8.89    | 7.80 | 10.8       | 2.12   | 96.8  |
| 330      | 12/2/2011 02:01:19 | 10.54  | 47.86  | 31.03        | 8.84    | 7.80 | 10.6       | 2.21   | 96.6  |
| 331      | 12/2/2011 02:16:19 | 10.59  | 48.00  | 31.13        | 8.87    | 7.81 | 11.4       | 2.29   | 97.1  |
| 332      | 12/2/2011 02:31:19 | 10.65  | 48.17  | 31.26        | 8.89    | 7.82 | 11.1       | 2.37   | 97.5  |
| 333      | 12/2/2011 02:46:19 | 10.68  | 48.41  | 31.43        | 8.90    | 7.83 | 9.8        | 2.44   | 97.8  |
| 334      | 12/2/2011 03:01:19 | 10.68  | 48.22  | 31.30        | 8.94    | 7.83 | 10.5       | 2.53   | 98.1  |
| 335      | 12/2/2011 03:16:19 | 10.69  | 48.16  | 31.25        | 8.96    | 7.82 | 10.4       | 2.58   | 98.4  |
| 336      | 12/2/2011 03:31:19 | 10.69  | 48.38  | 31.41        | 8.95    | 7.83 | 11.4       | 2.66   | 98.4  |
| 337      | 12/2/2011 03:46:19 | 10.72  | 48.58  | 31.56        | 9.03    | 7.85 | 14.3       | 2.73   | 99.5  |
| 338      | 12/2/2011 04:01:19 | 10.74  | 48.51  | 31.51        | 9.09    | 7.85 | 13.0       | 2.80   | 100.0 |
| 339      | 12/2/2011 04:16:19 | 10.73  | 48.50  | 31.50        | 9.12    | 7.85 | 10.6       | 2.87   | 100.4 |
| 340      | 12/2/2011 04:31:19 | 10.74  | 49.05  | 31.90        | 9.11    | 7.85 | 10.3       | 2.93   | 100.6 |
| 341      | 12/2/2011 04:46:19 | 10.73  | 49.10  | 31.93        | 9.13    | 7.85 | 9.6        | 2.98   | 100.7 |
| 342      | 12/2/2011 05:01:19 | 10.72  | 49.10  | 31.94        | 9.18    | 7.86 | 8.9        | 3.05   | 101.3 |
| 343      | 12/2/2011 05:16:19 | 10.68  | 49.16  | 31.98        | 9.18    | 7.86 | 7.3        | 3.08   | 101.3 |
| 344      | 12/2/2011 05:31:19 | 10.68  | 49.48  | 32.21        | 9.18    | 7.86 | 6.3        | 3.12   | 101.4 |
| 345      | 12/2/2011 05:46:19 | 10.67  | 49.42  | 32.17        | 9.10    | 7.86 | 5.2        | 3.13   | 100.4 |
| 346      | 12/2/2011 06:01:19 | 10.66  | 49.68  | 32.35        | 9.05    | 7.86 | 4.8        | 3.13   | 100.0 |
| 347      | 12/2/2011 06:16:19 | 10.67  | 49.32  | 32.09        | 9.14    | 7.88 | 7.1        | 3.12   | 100.8 |
| 348      | 12/2/2011 06:31:19 | 10.66  | 49.39  | 32.14        | 9.15    | 7.86 | 6.8        | 3.10   | 100.9 |
| 349      | 12/2/2011 06:46:19 | 10.66  | 49.41  | 32.15        | 9.12    | 7.86 | 7.8        | 3.06   | 100.7 |
| 350      | 12/2/2011 07:01:19 | 10.22  | 48.77  | 31.67        | 8.92    | 7.83 | 9.0        | 2.99   | 97.2  |
| 351      | 12/2/2011 07:16:19 | 10.54  | 48.67  | 31.61        | 9.03    | 7.84 | 9.3        | 2.94   | 99.1  |
| 352      | 12/2/2011 07:31:19 | 10.33  | 48.81  | 31.71        | 8.91    | 7.84 | 7.3        | 2.88   | 97.4  |
| 353      | 12/2/2011 07:46:19 | 10.43  | 48.97  | 31.82        | 8.99    | 7.84 | 6.3        | 2.82   | 98.6  |
| 354      | 12/2/2011 08:01:19 | 10.42  | 48.75  | 31.67        | 9.02    | 7.84 | 6.0        | 2.73   | 98.7  |
| 355      | 12/2/2011 08:16:19 | 10.38  | 48.15  | 31.23        | 8.97    | 7.84 | 6.5        | 2.69   | 97.8  |
| 356      | 12/2/2011 08:31:19 | 10.32  | 48.39  | 31.40        | 8.91    | 7.83 | 7.9        | 2.59   | 97.1  |
| 357      | 12/2/2011 08:46:19 | 10.20  | 48.38  | 31.38        | 8.84    | 7.82 | 9.0        | 2.54   | 96.2  |
| 358      | 12/2/2011 09:01:19 | 10.25  | 48.24  | 31.29        | 8.84    | 7.82 | 8.5        | 2.47   | 96.1  |
| 359      | 12/2/2011 09:16:19 | 10.12  | 48.14  | 31.21        | 8.81    | 7.80 | 8.2        | 2.41   | 95.5  |
| 360      | 12/2/2011 09:31:19 | 10.05  | 48.16  | 31.21        | 8.82    | 7.80 | 7.4        | 2.35   | 95.5  |
| 361      | 12/2/2011 09:46:19 | 10.22  | 48.15  | 31.22        | 8.97    | 7.81 | 7.9        | 2.27   | 97.5  |
| 362      | 12/2/2011 10:01:19 | 10.27  | 48.25  | 31.30        | 8.99    | 7.83 | 7.9        | 2.19   | 97.8  |
| 363      | 12/2/2011 10:16:19 | 10.27  | 47.74  | 30.93        | 9.04    | 7.83 | 7.4        | 2.17   | 98.2  |
| 364      | 12/2/2011 10:31:19 | 10.25  | 48.17  | 31.24        | 9.07    | 7.83 | 7.7        | 2.07   | 98.6  |
| 365      | 12/2/2011 10:46:19 | 10.22  | 47.85  | 31.00        | 9.12    | 7.81 | 7.3        | 2.02   | 99.0  |
| 366      | 12/2/2011 11:01:19 | 10.18  | 47.85  | 31.00        | 9.11    | 7.83 | 7.3        | 1.99   | 98.8  |
| 367      | 12/2/2011 11:16:19 | 10.23  | 47.71  | 30.91        | 9.17    | 7.83 | 7.3        | 1.94   | 99.5  |
| 368      | 12/2/2011 11:31:19 | 10.25  | 48.00  | 31.11        | 9.20    | 7.84 | 7.6        | 1.92   | 100.0 |
| 369      | 12/2/2011 11:46:19 | 10.24  | 47.69  | 30.89        | 9.11    | 7.83 | 7.3        | 1.92   | 98.9  |
| 370      | 12/2/2011 12:01:19 | 10.32  | 47.73  | 30.93        | 9.18    | 7.83 | 7.6        | 1.90   | 99.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 371      | 12/2/2011 12:16:19 | 10.30  | 47.54  | 30.78        | 9.12    | 7.82 | 7.4        | 1.91            | 99.0  |
| 372      | 12/2/2011 12:31:19 | 10.25  | 48.01  | 31.12        | 9.02    | 7.81 | 7.1        | 1.93            | 98.1  |
| 373      | 12/2/2011 12:46:19 | 10.23  | 48.10  | 31.18        | 9.01    | 7.81 | 7.3        | 1.97            | 97.9  |
| 374      | 12/2/2011 13:01:19 | 10.22  | 47.44  | 30.71        | 9.01    | 7.82 | 7.0        | 2.00            | 97.6  |
| 375      | 12/2/2011 13:16:19 | 10.27  | 47.73  | 30.92        | 8.99    | 7.82 | 7.0        | 2.07            | 97.7  |
| 376      | 12/2/2011 13:31:19 | 10.30  | 47.86  | 31.01        | 8.99    | 7.82 | 7.1        | 2.10            | 97.8  |
| 377      | 12/2/2011 13:46:19 | 10.32  | 47.91  | 31.06        | 8.97    | 7.82 | 7.0        | 2.16            | 97.6  |
| 378      | 12/2/2011 14:01:19 | 10.32  | 48.19  | 31.25        | 8.94    | 7.81 | 6.8        | 2.18            | 97.3  |
| 379      | 12/2/2011 14:16:19 | 10.34  | 47.54  | 30.79        | 8.97    | 7.82 | 6.7        | 2.24            | 97.5  |
| 380      | 12/2/2011 14:31:19 | 10.36  | 48.16  | 31.23        | 8.98    | 7.82 | 6.6        | 2.29            | 97.9  |
| 381      | 12/2/2011 14:46:19 | 10.34  | 47.44  | 30.72        | 8.95    | 7.82 | 6.5        | 2.34            | 97.2  |
| 382      | 12/2/2011 15:01:19 | 10.34  | 47.76  | 30.95        | 8.90    | 7.82 | 6.3        | 2.36            | 96.8  |
| 383      | 12/2/2011 15:16:19 | 10.36  | 48.13  | 31.22        | 8.89    | 7.81 | 6.5        | 2.42            | 96.9  |
| 384      | 12/2/2011 15:31:19 | 10.37  | 48.11  | 31.20        | 8.89    | 7.82 | 6.6        | 2.47            | 96.9  |
| 385      | 12/2/2011 15:46:19 | 10.38  | 48.19  | 31.26        | 8.89    | 7.82 | 6.2        | 2.50            | 97.0  |
| 386      | 12/2/2011 16:01:19 | 10.39  | 48.12  | 31.21        | 8.87    | 7.82 | 6.1        | 2.53            | 96.8  |
| 387      | 12/2/2011 16:16:19 | 10.45  | 48.19  | 31.26        | 8.92    | 7.82 | 7.5        | 2.56            | 97.5  |
| 388      | 12/2/2011 16:31:19 | 10.43  | 48.16  | 31.24        | 8.91    | 7.82 | 7.0        | 2.60            | 97.3  |
| 389      | 12/2/2011 16:46:19 | 10.44  | 48.22  | 31.28        | 8.86    | 7.82 | 6.2        | 2.61            | 96.8  |
| 390      | 12/2/2011 17:01:19 | 10.66  | 47.84  | 31.02        | 9.13    | 7.87 | 19.7       | 2.63            | 100.0 |
| 391      | 12/2/2011 17:16:19 | 10.56  | 48.40  | 31.42        | 8.92    | 7.84 | 8.9        | 2.63            | 97.7  |
| 392      | 12/2/2011 17:31:19 | 10.57  | 48.37  | 31.40        | 8.96    | 7.84 | 11.4       | 2.63            | 98.3  |
| 393      | 12/2/2011 17:46:19 | 10.50  | 48.30  | 31.34        | 9.04    | 7.85 | 20.4       | 2.62            | 98.9  |
| 394      | 12/2/2011 18:01:19 | 10.17  | 48.26  | 31.29        | 9.15    | 7.82 | 27.4       | 2.59            | 99.4  |
| 395      | 12/2/2011 18:16:19 | 10.13  | 48.09  | 31.17        | 9.14    | 7.83 | 28.7       | 2.58            | 99.1  |
| 396      | 12/2/2011 18:31:19 | 10.15  | 47.79  | 30.96        | 9.12    | 7.83 | 25.8       | 2.54            | 98.8  |
| 397      | 12/2/2011 18:46:19 | 10.05  | 48.42  | 31.40        | 9.14    | 7.85 | 27.4       | 2.49            | 99.1  |
| 398      | 12/2/2011 19:01:19 | 10.20  | 48.31  | 31.34        | 9.10    | 7.81 | 27.9       | 2.46            | 98.9  |
| 399      | 12/2/2011 19:16:19 | 10.23  | 47.99  | 31.11        | 9.09    | 7.83 | 23.9       | 2.40            | 98.8  |
| 400      | 12/2/2011 19:31:19 | 10.21  | 47.91  | 31.05        | 9.12    | 7.83 | 24.4       | 2.34            | 99.0  |
| 401      | 12/2/2011 19:46:19 | 10.20  | 48.48  | 31.46        | 9.10    | 7.83 | 22.5       | 2.28            | 99.0  |
| 402      | 12/2/2011 20:01:19 | 10.15  | 47.98  | 31.10        | 9.14    | 7.83 | 20.3       | 2.21            | 99.1  |
| 403      | 12/2/2011 20:16:19 | 10.05  | 48.14  | 31.20        | 9.19    | 7.84 | 21.1       | 2.15            | 99.5  |
| 404      | 12/2/2011 20:31:19 | 9.99   | 47.90  | 31.03        | 9.21    | 7.84 | 20.1       | 2.06            | 99.5  |
| 405      | 12/2/2011 20:46:19 | 9.99   | 48.17  | 31.22        | 9.21    | 7.80 | 18.5       | 2.03            | 99.6  |
| 406      | 12/2/2011 21:01:19 | 9.95   | 47.80  | 30.95        | 9.20    | 7.84 | 17.8       | 1.94            | 99.2  |
| 407      | 12/2/2011 21:16:19 | 9.94   | 47.81  | 30.96        | 9.20    | 7.84 | 18.6       | 1.87            | 99.2  |
| 408      | 12/2/2011 21:31:19 | 9.87   | 47.83  | 30.97        | 9.19    | 7.83 | 16.8       | 1.82            | 99.0  |
| 409      | 12/2/2011 21:46:19 | 9.89   | 47.56  | 30.78        | 9.25    | 7.84 | 17.6       | 1.76            | 99.5  |
| 410      | 12/2/2011 22:01:19 | 9.85   | 48.19  | 31.23        | 9.22    | 7.79 | 18.4       | 1.71            | 99.4  |
| 411      | 12/2/2011 22:16:19 | 9.84   | 48.18  | 31.22        | 9.21    | 7.80 | 18.6       | 1.65            | 99.3  |
| 412      | 12/2/2011 22:31:19 | 9.86   | 47.55  | 30.76        | 9.25    | 7.80 | 17.2       | 1.63            | 99.4  |
| 413      | 12/2/2011 22:46:19 | 9.85   | 47.92  | 31.03        | 9.25    | 7.80 | 17.0       | 1.58            | 99.6  |
| 414      | 12/2/2011 23:01:19 | 9.86   | 47.54  | 30.76        | 9.25    | 7.84 | 16.8       | 1.56            | 99.4  |
| 415      | 12/2/2011 23:16:19 | 9.84   | 47.77  | 30.92        | 9.19    | 7.84 | 15.3       | 1.54            | 98.9  |
| 416      | 12/2/2011 23:31:19 | 9.80   | 48.04  | 31.12        | 9.08    | 7.79 | 16.2       | 1.55            | 97.7  |
| 417      | 12/2/2011 23:46:19 | 9.81   | 47.76  | 30.92        | 9.15    | 7.80 | 16.2       | 1.55            | 98.3  |
| 418      | 12/3/2011 00:01:19 | 9.80   | 48.11  | 31.17        | 9.19    | 7.80 | 16.4       | 1.59            | 98.9  |
| 419      | 12/3/2011 00:16:19 | 9.82   | 48.02  | 31.10        | 9.16    | 7.80 | 16.2       | 1.61            | 98.6  |
| 420      | 12/3/2011 00:31:19 | 9.83   | 47.56  | 30.77        | 9.19    | 7.84 | 15.1       | 1.64            | 98.7  |
| 421      | 12/3/2011 00:46:19 | 9.84   | 47.94  | 31.04        | 9.16    | 7.79 | 14.8       | 1.69            | 98.6  |
| 422      | 12/3/2011 01:01:19 | 9.88   | 47.59  | 30.80        | 9.16    | 7.84 | 14.6       | 1.75            | 98.5  |
| 423      | 12/3/2011 01:16:19 | 9.78   | 47.65  | 30.84        | 9.18    | 7.84 | 14.5       | 1.81            | 98.6  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 424      | 12/3/2011 01:31:19 | 9.85   | 47.70  | 30.87        | 9.15    | 7.83 | 14.5       | 1.89            | 98.4  |
| 425      | 12/3/2011 01:46:19 | 9.87   | 47.96  | 31.06        | 9.15    | 7.79 | 14.2       | 1.94            | 98.5  |
| 426      | 12/3/2011 02:01:19 | 9.87   | 47.89  | 31.01        | 9.14    | 7.79 | 13.9       | 2.02            | 98.4  |
| 427      | 12/3/2011 02:16:19 | 9.93   | 47.59  | 30.80        | 9.14    | 7.84 | 13.7       | 2.09            | 98.5  |
| 428      | 12/3/2011 02:31:19 | 10.04  | 47.93  | 31.05        | 9.13    | 7.84 | 14.0       | 2.17            | 98.7  |
| 429      | 12/3/2011 02:46:19 | 10.05  | 47.83  | 30.98        | 9.11    | 7.84 | 12.3       | 2.23            | 98.5  |
| 430      | 12/3/2011 03:01:19 | 10.12  | 48.13  | 31.20        | 9.12    | 7.81 | 11.8       | 2.30            | 98.8  |
| 431      | 12/3/2011 03:16:19 | 10.17  | 48.19  | 31.25        | 9.12    | 7.85 | 10.8       | 2.38            | 99.0  |
| 432      | 12/3/2011 03:31:19 | 10.20  | 48.33  | 31.35        | 9.13    | 7.85 | 10.9       | 2.45            | 99.2  |
| 433      | 12/3/2011 03:46:19 | 10.30  | 48.59  | 31.54        | 9.10    | 7.83 | 10.7       | 2.50            | 99.3  |
| 434      | 12/3/2011 04:01:19 | 10.32  | 48.23  | 31.28        | 9.11    | 7.85 | 10.0       | 2.59            | 99.2  |
| 435      | 12/3/2011 04:16:19 | 10.33  | 48.87  | 31.74        | 9.09    | 7.83 | 12.9       | 2.65            | 99.3  |
| 436      | 12/3/2011 04:31:19 | 10.31  | 48.15  | 31.23        | 9.11    | 7.85 | 12.9       | 2.70            | 99.2  |
| 437      | 12/3/2011 04:46:19 | 10.29  | 48.86  | 31.73        | 9.09    | 7.85 | 12.3       | 2.78            | 99.2  |
| 438      | 12/3/2011 05:01:19 | 10.30  | 49.11  | 31.91        | 9.09    | 7.84 | 10.7       | 2.84            | 99.4  |
| 439      | 12/3/2011 05:16:19 | 10.30  | 49.16  | 31.95        | 9.09    | 7.84 | 9.6        | 2.90            | 99.5  |
| 440      | 12/3/2011 05:31:19 | 10.30  | 48.93  | 31.79        | 9.11    | 7.84 | 8.9        | 2.95            | 99.5  |
| 441      | 12/3/2011 05:46:19 | 10.26  | 48.96  | 31.81        | 9.11    | 7.86 | 7.5        | 3.00            | 99.4  |
| 442      | 12/3/2011 06:01:19 | 10.24  | 49.18  | 31.97        | 9.09    | 7.86 | 7.2        | 3.05            | 99.3  |
| 443      | 12/3/2011 06:16:19 | 10.21  | 49.12  | 31.92        | 9.09    | 7.84 | 5.9        | 3.07            | 99.2  |
| 444      | 12/3/2011 06:31:19 | 10.21  | 49.44  | 32.15        | 9.07    | 7.86 | 5.1        | 3.09            | 99.1  |
| 445      | 12/3/2011 06:46:19 | 10.16  | 49.17  | 31.95        | 9.12    | 7.84 | 5.7        | 3.10            | 99.4  |
| 446      | 12/3/2011 07:01:19 | 10.20  | 49.18  | 31.96        | 9.16    | 7.86 | 6.9        | 3.08            | 99.9  |
| 447      | 12/3/2011 07:16:19 | 10.20  | 49.48  | 32.18        | 9.08    | 7.86 | 7.0        | 3.07            | 99.2  |
| 448      | 12/3/2011 07:31:19 | 10.20  | 48.81  | 31.69        | 9.09    | 7.86 | 8.1        | 3.03            | 99.0  |
| 449      | 12/3/2011 07:46:19 | 9.52   | 49.21  | 31.93        | 9.03    | 7.79 | 8.5        | 2.97            | 97.1  |
| 450      | 12/3/2011 08:01:19 | 9.95   | 48.71  | 31.61        | 9.00    | 7.82 | 8.9        | 2.92            | 97.5  |
| 451      | 12/3/2011 08:16:19 | 9.88   | 48.58  | 31.51        | 8.99    | 7.86 | 7.8        | 2.85            | 97.2  |
| 452      | 12/3/2011 08:31:19 | 9.94   | 48.78  | 31.65        | 9.03    | 7.86 | 6.0        | 2.77            | 97.8  |
| 453      | 12/3/2011 08:46:19 | 9.99   | 49.03  | 31.84        | 9.06    | 7.86 | 5.9        | 2.71            | 98.4  |
| 454      | 12/3/2011 09:01:19 | 9.94   | 48.57  | 31.51        | 9.07    | 7.86 | 7.1        | 2.64            | 98.2  |
| 455      | 12/3/2011 09:16:19 | 9.88   | 48.92  | 31.75        | 9.09    | 7.81 | 8.3        | 2.57            | 98.4  |
| 456      | 12/3/2011 09:31:19 | 9.77   | 48.79  | 31.65        | 9.07    | 7.81 | 12.0       | 2.50            | 97.8  |
| 457      | 12/3/2011 09:46:19 | 9.67   | 48.76  | 31.63        | 9.03    | 7.80 | 9.8        | 2.43            | 97.2  |
| 458      | 12/3/2011 10:01:19 | 9.63   | 48.53  | 31.46        | 9.09    | 7.80 | 8.5        | 2.36            | 97.7  |
| 459      | 12/3/2011 10:16:19 | 9.79   | 48.27  | 31.28        | 9.24    | 7.87 | 8.1        | 2.29            | 99.6  |
| 460      | 12/3/2011 10:31:19 | 9.84   | 48.73  | 31.61        | 9.26    | 7.81 | 10.1       | 2.19            | 100.1 |
| 461      | 12/3/2011 10:46:19 | 9.78   | 48.26  | 31.27        | 9.31    | 7.81 | 10.6       | 2.13            | 100.2 |
| 462      | 12/3/2011 11:01:19 | 9.79   | 47.94  | 31.04        | 9.41    | 7.88 | 9.8        | 2.05            | 101.2 |
| 463      | 12/3/2011 11:16:19 | 9.78   | 47.98  | 31.07        | 9.41    | 7.88 | 10.6       | 1.97            | 101.2 |
| 464      | 12/3/2011 11:31:19 | 9.79   | 48.36  | 31.35        | 9.48    | 7.82 | 10.4       | 1.91            | 102.2 |
| 465      | 12/3/2011 11:46:19 | 9.81   | 48.50  | 31.45        | 9.51    | 7.83 | 9.9        | 1.85            | 102.6 |
| 466      | 12/3/2011 12:01:19 | 9.79   | 48.03  | 31.11        | 9.57    | 7.83 | 9.9        | 1.81            | 103.0 |
| 467      | 12/3/2011 12:16:19 | 9.60   | 47.83  | 30.95        | 9.63    | 7.89 | 10.4       | 1.78            | 103.1 |
| 468      | 12/3/2011 12:31:19 | 9.57   | 48.01  | 31.08        | 9.58    | 7.82 | 10.0       | 1.74            | 102.5 |
| 469      | 12/3/2011 12:46:19 | 9.53   | 47.74  | 30.88        | 9.58    | 7.88 | 9.8        | 1.71            | 102.4 |
| 470      | 12/3/2011 13:01:19 | 9.62   | 47.89  | 31.00        | 9.46    | 7.82 | 9.0        | 1.73            | 101.3 |
| 471      | 12/3/2011 13:16:19 | 9.60   | 48.02  | 31.09        | 9.48    | 7.82 | 10.0       | 1.75            | 101.6 |
| 472      | 12/3/2011 13:31:19 | 9.56   | 47.79  | 30.92        | 9.44    | 7.88 | 9.8        | 1.74            | 100.9 |
| 473      | 12/3/2011 13:46:19 | 9.63   | 48.24  | 31.25        | 9.38    | 7.81 | 9.8        | 1.78            | 100.6 |
| 474      | 12/3/2011 14:01:19 | 9.57   | 48.02  | 31.09        | 9.32    | 7.81 | 9.9        | 1.83            | 99.7  |
| 475      | 12/3/2011 14:16:19 | 9.57   | 48.02  | 31.08        | 9.31    | 7.81 | 10.1       | 1.87            | 99.7  |
| 476      | 12/3/2011 14:31:19 | 9.60   | 48.16  | 31.19        | 9.27    | 7.81 | 9.5        | 1.90            | 99.4  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%  |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |      |
| 477      | 12/3/2011 14:46:19 | 9.66   | 47.84  | 30.96        | 9.27    | 7.86 | 9.5        | 1.97            | 99.3 |
| 478      | 12/3/2011 15:01:19 | 9.68   | 48.11  | 31.16        | 9.26    | 7.80 | 9.2        | 2.02            | 99.4 |
| 479      | 12/3/2011 15:16:19 | 9.69   | 48.09  | 31.14        | 9.23    | 7.80 | 8.8        | 2.06            | 99.2 |
| 480      | 12/3/2011 15:31:19 | 9.70   | 48.32  | 31.31        | 9.19    | 7.80 | 8.5        | 2.11            | 98.8 |
| 481      | 12/3/2011 15:46:19 | 9.71   | 48.14  | 31.18        | 9.19    | 7.80 | 8.8        | 2.17            | 98.8 |
| 482      | 12/3/2011 16:01:19 | 9.75   | 48.12  | 31.17        | 9.17    | 7.80 | 7.9        | 2.22            | 98.6 |
| 483      | 12/3/2011 16:16:19 | 9.80   | 48.09  | 31.15        | 9.15    | 7.86 | 7.9        | 2.27            | 98.5 |
| 484      | 12/3/2011 16:31:19 | 9.83   | 48.39  | 31.37        | 9.13    | 7.81 | 7.6        | 2.32            | 98.5 |
| 485      | 12/3/2011 16:46:19 | 9.86   | 48.50  | 31.45        | 9.09    | 7.81 | 7.2        | 2.35            | 98.2 |
| 486      | 12/3/2011 17:01:19 | 9.91   | 48.15  | 31.20        | 9.14    | 7.86 | 6.9        | 2.40            | 98.6 |
| 487      | 12/3/2011 17:16:19 | 10.01  | 48.62  | 31.54        | 9.13    | 7.82 | 6.7        | 2.44            | 99.0 |
| 488      | 12/3/2011 17:31:19 | 10.03  | 48.48  | 31.44        | 9.15    | 7.86 | 6.5        | 2.48            | 99.2 |
| 489      | 12/3/2011 17:46:19 | 10.05  | 48.46  | 31.44        | 9.15    | 7.86 | 6.3        | 2.52            | 99.2 |
| 490      | 12/3/2011 18:01:19 | 10.05  | 48.86  | 31.72        | 9.13    | 7.82 | 6.3        | 2.53            | 99.1 |
| 491      | 12/3/2011 18:16:19 | 10.05  | 48.84  | 31.71        | 9.06    | 7.82 | 5.7        | 2.56            | 98.4 |
| 492      | 12/3/2011 18:31:19 | 10.05  | 48.47  | 31.44        | 9.04    | 7.82 | 5.3        | 2.58            | 98.0 |
| 493      | 12/3/2011 18:46:19 | 10.02  | 48.35  | 31.35        | 9.09    | 7.86 | 6.8        | 2.59            | 98.5 |
| 494      | 12/3/2011 19:01:19 | 10.04  | 48.82  | 31.69        | 9.07    | 7.82 | 5.9        | 2.59            | 98.5 |
| 495      | 12/3/2011 19:16:19 | 10.05  | 48.37  | 31.37        | 9.02    | 7.81 | 6.0        | 2.57            | 97.7 |
| 496      | 12/3/2011 19:31:19 | 10.04  | 48.70  | 31.61        | 9.03    | 7.86 | 5.9        | 2.55            | 98.0 |
| 497      | 12/3/2011 19:46:19 | 9.97   | 48.43  | 31.40        | 9.02    | 7.85 | 6.4        | 2.52            | 97.6 |
| 498      | 12/3/2011 20:01:19 | 9.83   | 48.33  | 31.32        | 9.03    | 7.85 | 6.7        | 2.49            | 97.4 |
| 499      | 12/3/2011 20:16:19 | 9.91   | 48.00  | 31.09        | 9.14    | 7.87 | 8.2        | 2.45            | 98.6 |
| 500      | 12/3/2011 20:31:19 | 9.92   | 48.48  | 31.44        | 9.17    | 7.82 | 9.0        | 2.41            | 99.2 |
| 501      | 12/3/2011 20:46:19 | 9.66   | 48.47  | 31.41        | 9.13    | 7.80 | 10.3       | 2.35            | 98.1 |
| 502      | 12/3/2011 21:01:19 | 9.55   | 48.26  | 31.26        | 9.03    | 7.79 | 10.9       | 2.29            | 96.8 |
| 503      | 12/3/2011 21:16:19 | 9.67   | 48.08  | 31.14        | 9.14    | 7.86 | 10.4       | 2.22            | 98.1 |
| 504      | 12/3/2011 21:31:19 | 9.60   | 48.18  | 31.20        | 9.10    | 7.79 | 9.8        | 2.16            | 97.6 |
| 505      | 12/3/2011 21:46:19 | 9.53   | 48.12  | 31.15        | 9.11    | 7.79 | 9.6        | 2.10            | 97.5 |
| 506      | 12/3/2011 22:01:19 | 9.45   | 48.13  | 31.16        | 9.04    | 7.79 | 9.1        | 2.04            | 96.6 |
| 507      | 12/3/2011 22:16:19 | 9.42   | 48.11  | 31.14        | 9.08    | 7.78 | 8.5        | 2.00            | 97.0 |
| 508      | 12/3/2011 22:31:19 | 9.35   | 48.15  | 31.16        | 9.07    | 7.78 | 8.3        | 1.93            | 96.6 |
| 509      | 12/3/2011 22:46:19 | 9.39   | 48.13  | 31.15        | 9.11    | 7.78 | 7.8        | 1.90            | 97.1 |
| 510      | 12/3/2011 23:01:19 | 9.31   | 48.27  | 31.25        | 9.17    | 7.79 | 7.6        | 1.85            | 97.7 |
| 511      | 12/3/2011 23:16:19 | 9.20   | 48.07  | 31.09        | 9.22    | 7.79 | 8.3        | 1.82            | 97.9 |
| 512      | 12/3/2011 23:31:19 | 9.15   | 47.88  | 30.96        | 9.33    | 7.80 | 8.6        | 1.79            | 98.9 |
| 513      | 12/3/2011 23:46:19 | 9.13   | 47.48  | 30.67        | 9.30    | 7.88 | 7.9        | 1.76            | 98.4 |
| 514      | 12/4/2011 00:01:19 | 9.13   | 47.90  | 30.97        | 9.28    | 7.79 | 7.6        | 1.77            | 98.3 |
| 515      | 12/4/2011 00:16:19 | 9.12   | 47.96  | 31.01        | 9.17    | 7.79 | 7.1        | 1.75            | 97.1 |
| 516      | 12/4/2011 00:31:19 | 9.10   | 47.97  | 31.01        | 9.21    | 7.80 | 7.8        | 1.78            | 97.6 |
| 517      | 12/4/2011 00:46:19 | 9.14   | 47.97  | 31.02        | 9.28    | 7.80 | 7.9        | 1.79            | 98.4 |
| 518      | 12/4/2011 01:01:19 | 9.16   | 47.91  | 30.98        | 9.23    | 7.79 | 7.6        | 1.80            | 97.9 |
| 519      | 12/4/2011 01:16:19 | 9.22   | 48.11  | 31.13        | 9.20    | 7.79 | 7.4        | 1.83            | 97.7 |
| 520      | 12/4/2011 01:31:19 | 9.28   | 48.09  | 31.11        | 9.20    | 7.79 | 7.4        | 1.88            | 97.9 |
| 521      | 12/4/2011 01:46:19 | 9.29   | 47.80  | 30.91        | 9.22    | 7.79 | 7.5        | 1.93            | 98.0 |
| 522      | 12/4/2011 02:01:19 | 9.27   | 47.74  | 30.86        | 9.18    | 7.79 | 7.5        | 1.97            | 97.5 |
| 523      | 12/4/2011 02:16:19 | 9.26   | 47.92  | 30.99        | 9.18    | 7.79 | 7.3        | 2.03            | 97.5 |
| 524      | 12/4/2011 02:31:19 | 9.36   | 47.94  | 31.02        | 9.15    | 7.79 | 7.3        | 2.09            | 97.5 |
| 525      | 12/4/2011 02:46:19 | 9.41   | 47.97  | 31.04        | 9.17    | 7.79 | 7.2        | 2.16            | 97.8 |
| 526      | 12/4/2011 03:01:19 | 9.44   | 47.82  | 30.93        | 9.17    | 7.79 | 7.0        | 2.22            | 97.8 |
| 527      | 12/4/2011 03:16:19 | 9.65   | 48.39  | 31.36        | 9.11    | 7.80 | 7.2        | 2.29            | 97.9 |
| 528      | 12/4/2011 03:31:19 | 9.57   | 47.84  | 30.96        | 9.14    | 7.87 | 7.3        | 2.36            | 97.8 |
| 529      | 12/4/2011 03:46:19 | 9.81   | 48.64  | 31.55        | 9.08    | 7.80 | 7.1        | 2.43            | 98.0 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 530      | 12/4/2011 04:01:19 | 9.81   | 48.48  | 31.43        | 9.11    | 7.81 | 8.1        | 2.49            | 98.2  |
| 531      | 12/4/2011 04:16:19 | 9.85   | 48.86  | 31.71        | 9.09    | 7.81 | 7.4        | 2.57            | 98.3  |
| 532      | 12/4/2011 04:31:19 | 9.89   | 48.81  | 31.68        | 9.10    | 7.81 | 7.0        | 2.65            | 98.5  |
| 533      | 12/4/2011 04:46:19 | 9.92   | 48.55  | 31.49        | 9.12    | 7.82 | 7.3        | 2.70            | 98.6  |
| 534      | 12/4/2011 05:01:19 | 9.96   | 49.16  | 31.93        | 9.12    | 7.81 | 7.6        | 2.77            | 99.0  |
| 535      | 12/4/2011 05:16:19 | 9.95   | 49.11  | 31.89        | 9.17    | 7.82 | 7.9        | 2.84            | 99.5  |
| 536      | 12/4/2011 05:31:19 | 9.97   | 49.19  | 31.96        | 9.18    | 7.82 | 8.2        | 2.91            | 99.7  |
| 537      | 12/4/2011 05:46:19 | 9.98   | 49.44  | 32.14        | 9.19    | 7.82 | 7.8        | 2.96            | 99.9  |
| 538      | 12/4/2011 06:01:19 | 9.95   | 49.49  | 32.17        | 9.22    | 7.83 | 7.4        | 3.03            | 100.2 |
| 539      | 12/4/2011 06:16:19 | 9.90   | 49.44  | 32.13        | 9.27    | 7.83 | 7.6        | 3.09            | 100.6 |
| 540      | 12/4/2011 06:31:19 | 9.88   | 49.53  | 32.19        | 9.27    | 7.83 | 6.2        | 3.13            | 100.6 |
| 541      | 12/4/2011 06:46:19 | 9.84   | 49.57  | 32.22        | 9.30    | 7.83 | 6.1        | 3.17            | 100.8 |
| 542      | 12/4/2011 07:01:19 | 9.80   | 49.56  | 32.21        | 9.34    | 7.88 | 5.7        | 3.21            | 101.2 |
| 543      | 12/4/2011 07:16:19 | 9.79   | 49.91  | 32.46        | 9.28    | 7.82 | 5.0        | 3.22            | 100.8 |
| 544      | 12/4/2011 07:31:19 | 9.80   | 49.76  | 32.36        | 9.24    | 7.82 | 6.6        | 3.22            | 100.2 |
| 545      | 12/4/2011 07:46:19 | 9.80   | 49.91  | 32.46        | 9.28    | 7.82 | 6.5        | 3.20            | 100.7 |
| 546      | 12/4/2011 08:01:19 | 9.80   | 49.59  | 32.23        | 9.29    | 7.82 | 6.8        | 3.17            | 100.7 |
| 547      | 12/4/2011 08:16:19 | 9.81   | 49.68  | 32.30        | 9.25    | 7.82 | 7.6        | 3.12            | 100.3 |
| 548      | 12/4/2011 08:31:19 | 9.69   | 49.34  | 32.04        | 9.11    | 7.81 | 6.6        | 3.07            | 98.4  |
| 549      | 12/4/2011 08:46:19 | 9.62   | 49.01  | 31.80        | 9.13    | 7.81 | 7.3        | 3.01            | 98.3  |
| 550      | 12/4/2011 09:01:19 | 9.65   | 49.33  | 32.04        | 9.20    | 7.81 | 5.8        | 2.93            | 99.3  |
| 551      | 12/4/2011 09:16:19 | 9.76   | 49.50  | 32.16        | 9.29    | 7.82 | 5.4        | 2.86            | 100.5 |
| 552      | 12/4/2011 09:31:19 | 9.71   | 48.96  | 31.77        | 9.23    | 7.82 | 5.6        | 2.78            | 99.5  |
| 553      | 12/4/2011 09:46:19 | 9.64   | 49.23  | 31.96        | 9.12    | 7.81 | 7.0        | 2.71            | 98.3  |
| 554      | 12/4/2011 10:01:19 | 9.58   | 48.71  | 31.59        | 9.13    | 7.81 | 7.6        | 2.63            | 98.1  |
| 555      | 12/4/2011 10:16:19 | 9.53   | 48.98  | 31.77        | 9.13    | 7.81 | 7.8        | 2.54            | 98.1  |
| 556      | 12/4/2011 10:31:19 | 9.54   | 48.47  | 31.41        | 9.18    | 7.88 | 6.1        | 2.47            | 98.4  |
| 557      | 12/4/2011 10:46:19 | 9.71   | 48.86  | 31.70        | 9.32    | 7.81 | 6.6        | 2.37            | 100.5 |
| 558      | 12/4/2011 11:01:19 | 9.78   | 48.92  | 31.75        | 9.36    | 7.82 | 7.0        | 2.28            | 101.1 |
| 559      | 12/4/2011 11:16:19 | 9.65   | 48.46  | 31.41        | 9.39    | 7.90 | 7.6        | 2.20            | 100.9 |
| 560      | 12/4/2011 11:31:19 | 9.80   | 48.51  | 31.45        | 9.57    | 7.82 | 6.2        | 2.10            | 103.2 |
| 561      | 12/4/2011 11:46:19 | 9.70   | 48.56  | 31.48        | 9.55    | 7.82 | 6.7        | 2.03            | 102.8 |
| 562      | 12/4/2011 12:01:19 | 9.90   | 48.54  | 31.48        | 9.72    | 7.84 | 6.7        | 1.92            | 105.0 |
| 563      | 12/4/2011 12:16:19 | 9.78   | 48.42  | 31.39        | 9.76    | 7.84 | 6.8        | 1.86            | 105.2 |
| 564      | 12/4/2011 12:31:19 | 9.81   | 48.29  | 31.29        | 9.82    | 7.85 | 7.0        | 1.80            | 105.8 |
| 565      | 12/4/2011 12:46:19 | 9.83   | 48.33  | 31.32        | 9.88    | 7.85 | 6.6        | 1.72            | 106.6 |
| 566      | 12/4/2011 13:01:19 | 9.71   | 48.26  | 31.27        | 9.91    | 7.85 | 6.3        | 1.68            | 106.5 |
| 567      | 12/4/2011 13:16:19 | 9.76   | 48.39  | 31.36        | 10.09   | 7.87 | 6.5        | 1.63            | 108.7 |
| 568      | 12/4/2011 13:31:19 | 9.39   | 48.06  | 31.10        | 9.83    | 7.85 | 6.3        | 1.62            | 104.9 |
| 569      | 12/4/2011 13:46:19 | 9.41   | 47.93  | 31.01        | 9.84    | 7.85 | 5.8        | 1.60            | 104.9 |
| 570      | 12/4/2011 14:01:19 | 9.62   | 48.13  | 31.17        | 9.93    | 7.86 | 6.0        | 1.60            | 106.4 |
| 571      | 12/4/2011 14:16:19 | 9.42   | 47.87  | 30.97        | 9.90    | 7.85 | 6.0        | 1.63            | 105.6 |
| 572      | 12/4/2011 14:31:19 | 9.32   | 47.95  | 31.02        | 9.78    | 7.84 | 5.9        | 1.64            | 104.0 |
| 573      | 12/4/2011 14:46:20 | 9.31   | 48.31  | 31.27        | 9.76    | 7.88 | 5.9        | 1.69            | 104.0 |
| 574      | 12/4/2011 15:01:19 | 9.20   | 48.02  | 31.06        | 9.67    | 7.83 | 6.0        | 1.73            | 102.6 |
| 575      | 12/4/2011 15:16:19 | 9.24   | 48.01  | 31.05        | 9.62    | 7.83 | 5.9        | 1.76            | 102.2 |
| 576      | 12/4/2011 15:31:19 | 9.30   | 48.11  | 31.13        | 9.59    | 7.82 | 6.1        | 1.82            | 102.1 |
| 577      | 12/4/2011 15:46:19 | 9.23   | 48.05  | 31.08        | 9.57    | 7.82 | 6.2        | 1.88            | 101.6 |
| 578      | 12/4/2011 16:01:19 | 9.28   | 47.93  | 31.00        | 9.52    | 7.81 | 5.9        | 1.92            | 101.2 |
| 579      | 12/4/2011 16:16:19 | 9.29   | 48.04  | 31.08        | 9.45    | 7.81 | 5.8        | 1.98            | 100.6 |
| 580      | 12/4/2011 16:31:19 | 9.30   | 47.86  | 30.95        | 9.42    | 7.81 | 5.9        | 2.04            | 100.1 |
| 581      | 12/4/2011 16:46:19 | 9.32   | 47.97  | 31.04        | 9.43    | 7.80 | 5.8        | 2.09            | 100.4 |
| 582      | 12/4/2011 17:01:20 | 9.40   | 48.39  | 31.34        | 9.38    | 7.85 | 5.7        | 2.14            | 100.2 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond |              | DO Conc |      | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|--------------------|--------|--------|--------------|---------|------|-------------------|-----------------|------|
|          |                    |        | mS/cm  | Salinity ppt | mg/L    | pH   |                   |                 |      |
| 583      | 12/4/2011 17:16:19 | 9.43   | 48.11  | 31.14        | 9.29    | 7.80 | 5.7               | 2.20            | 99.2 |
| 584      | 12/4/2011 17:31:19 | 9.50   | 48.62  | 31.51        | 9.28    | 7.81 | 5.8               | 2.25            | 99.5 |
| 585      | 12/4/2011 17:46:19 | 9.58   | 48.51  | 31.44        | 9.27    | 7.80 | 5.2               | 2.29            | 99.5 |
| 586      | 12/4/2011 18:01:19 | 9.63   | 48.36  | 31.34        | 9.24    | 7.81 | 5.7               | 2.36            | 99.2 |
| 587      | 12/4/2011 18:16:19 | 9.64   | 48.52  | 31.45        | 9.24    | 7.80 | 5.4               | 2.40            | 99.3 |
| 588      | 12/4/2011 18:31:19 | 9.64   | 48.68  | 31.57        | 9.22    | 7.81 | 5.1               | 2.44            | 99.2 |
| 589      | 12/4/2011 18:46:19 | 9.65   | 48.70  | 31.58        | 9.19    | 7.81 | 4.9               | 2.48            | 98.9 |
| 590      | 12/4/2011 19:01:19 | 9.66   | 48.53  | 31.45        | 9.21    | 7.81 | 5.1               | 2.53            | 99.0 |
| 591      | 12/4/2011 19:16:19 | 9.66   | 48.57  | 31.48        | 9.18    | 7.88 | 4.9               | 2.56            | 98.7 |
| 592      | 12/4/2011 19:31:19 | 9.66   | 48.37  | 31.34        | 9.13    | 7.87 | 4.3               | 2.57            | 98.0 |
| 593      | 12/4/2011 19:46:19 | 9.66   | 48.85  | 31.69        | 9.07    | 7.80 | 4.3               | 2.60            | 97.7 |
| 594      | 12/4/2011 20:01:19 | 9.67   | 48.66  | 31.55        | 9.10    | 7.80 | 4.0               | 2.62            | 97.9 |
| 595      | 12/4/2011 20:16:19 | 9.65   | 48.70  | 31.58        | 9.14    | 7.80 | 5.1               | 2.61            | 98.4 |
| 596      | 12/4/2011 20:31:19 | 9.68   | 49.00  | 31.80        | 9.07    | 7.80 | 5.1               | 2.61            | 97.8 |
| 597      | 12/4/2011 20:46:19 | 9.67   | 48.78  | 31.64        | 9.06    | 7.87 | 4.9               | 2.60            | 97.6 |
| 598      | 12/4/2011 21:01:19 | 9.66   | 48.76  | 31.63        | 9.06    | 7.87 | 5.1               | 2.58            | 97.6 |
| 599      | 12/4/2011 21:16:19 | 9.50   | 48.71  | 31.58        | 9.06    | 7.78 | 5.1               | 2.53            | 97.1 |
| 600      | 12/4/2011 21:31:19 | 9.13   | 48.37  | 31.31        | 9.05    | 7.77 | 5.3               | 2.47            | 96.1 |
| 601      | 12/4/2011 21:46:19 | 9.34   | 48.35  | 31.31        | 9.08    | 7.79 | 5.0               | 2.43            | 96.9 |
| 602      | 12/4/2011 22:01:19 | 9.38   | 48.64  | 31.52        | 9.10    | 7.80 | 5.3               | 2.40            | 97.3 |
| 603      | 12/4/2011 22:16:19 | 9.20   | 48.46  | 31.38        | 9.10    | 7.79 | 5.3               | 2.31            | 96.8 |
| 604      | 12/4/2011 22:31:19 | 9.06   | 48.16  | 31.15        | 9.24    | 7.80 | 6.5               | 2.25            | 97.8 |
| 605      | 12/4/2011 22:46:19 | 9.11   | 48.41  | 31.33        | 9.25    | 7.80 | 5.6               | 2.22            | 98.1 |
| 606      | 12/4/2011 23:01:19 | 9.00   | 48.36  | 31.29        | 9.24    | 7.79 | 5.6               | 2.16            | 97.8 |
| 607      | 12/4/2011 23:16:19 | 9.06   | 48.58  | 31.45        | 9.34    | 7.80 | 5.4               | 2.10            | 99.1 |
| 608      | 12/4/2011 23:31:19 | 8.99   | 48.36  | 31.29        | 9.33    | 7.80 | 5.4               | 2.06            | 98.7 |
| 609      | 12/4/2011 23:46:19 | 8.94   | 48.08  | 31.09        | 9.32    | 7.79 | 5.4               | 2.02            | 98.4 |
| 610      | 12/5/2011 00:01:19 | 8.96   | 48.14  | 31.13        | 9.29    | 7.80 | 5.7               | 1.99            | 98.1 |
| 611      | 12/5/2011 00:16:19 | 8.94   | 48.13  | 31.12        | 9.38    | 7.80 | 5.3               | 1.96            | 99.1 |
| 612      | 12/5/2011 00:31:19 | 8.84   | 48.20  | 31.16        | 9.42    | 7.80 | 4.9               | 1.93            | 99.3 |
| 613      | 12/5/2011 00:46:19 | 8.80   | 48.15  | 31.12        | 9.41    | 7.80 | 4.4               | 1.94            | 99.0 |
| 614      | 12/5/2011 01:01:19 | 8.81   | 48.13  | 31.11        | 9.37    | 7.81 | 4.6               | 1.93            | 98.6 |
| 615      | 12/5/2011 01:16:19 | 8.88   | 48.02  | 31.03        | 9.35    | 7.80 | 5.1               | 1.93            | 98.5 |
| 616      | 12/5/2011 01:31:19 | 8.90   | 48.14  | 31.12        | 9.35    | 7.80 | 5.1               | 1.95            | 98.6 |
| 617      | 12/5/2011 01:46:19 | 8.91   | 47.99  | 31.02        | 9.37    | 7.80 | 4.9               | 1.99            | 98.8 |
| 618      | 12/5/2011 02:01:19 | 8.94   | 48.25  | 31.20        | 9.32    | 7.79 | 4.9               | 2.00            | 98.5 |
| 619      | 12/5/2011 02:16:19 | 8.98   | 48.02  | 31.04        | 9.31    | 7.79 | 5.2               | 2.04            | 98.3 |
| 620      | 12/5/2011 02:31:19 | 9.07   | 48.41  | 31.33        | 9.27    | 7.79 | 5.1               | 2.08            | 98.3 |
| 621      | 12/5/2011 02:46:20 | 9.15   | 48.53  | 31.42        | 9.28    | 7.85 | 5.1               | 2.13            | 98.6 |
| 622      | 12/5/2011 03:01:19 | 9.02   | 48.22  | 31.19        | 9.27    | 7.79 | 4.9               | 2.19            | 98.1 |
| 623      | 12/5/2011 03:16:19 | 9.07   | 48.21  | 31.19        | 9.26    | 7.79 | 5.2               | 2.24            | 98.1 |
| 624      | 12/5/2011 03:31:19 | 9.13   | 48.40  | 31.33        | 9.22    | 7.79 | 4.9               | 2.29            | 97.9 |
| 625      | 12/5/2011 03:46:19 | 9.27   | 48.46  | 31.38        | 9.24    | 7.79 | 4.9               | 2.36            | 98.4 |
| 626      | 12/5/2011 04:01:20 | 9.32   | 48.81  | 31.64        | 9.19    | 7.84 | 5.0               | 2.43            | 98.1 |
| 627      | 12/5/2011 04:16:19 | 9.41   | 48.68  | 31.55        | 9.13    | 7.79 | 5.0               | 2.49            | 97.6 |
| 628      | 12/5/2011 04:31:19 | 9.45   | 48.70  | 31.57        | 9.15    | 7.79 | 5.3               | 2.56            | 97.9 |
| 629      | 12/5/2011 04:46:19 | 9.51   | 48.92  | 31.73        | 9.16    | 7.79 | 5.7               | 2.62            | 98.3 |
| 630      | 12/5/2011 05:01:19 | 9.53   | 48.80  | 31.65        | 9.18    | 7.88 | 6.0               | 2.70            | 98.5 |
| 631      | 12/5/2011 05:16:19 | 9.58   | 49.43  | 32.10        | 9.19    | 7.79 | 5.7               | 2.77            | 99.0 |
| 632      | 12/5/2011 05:31:19 | 9.60   | 49.50  | 32.15        | 9.20    | 7.79 | 5.9               | 2.84            | 99.3 |
| 633      | 12/5/2011 05:46:19 | 9.62   | 49.44  | 32.11        | 9.24    | 7.79 | 7.1               | 2.91            | 99.6 |
| 634      | 12/5/2011 06:01:19 | 9.62   | 49.54  | 32.18        | 9.24    | 7.79 | 7.3               | 2.98            | 99.7 |
| 635      | 12/5/2011 06:16:19 | 9.59   | 49.59  | 32.22        | 9.24    | 7.88 | 7.0               | 3.05            | 99.7 |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 636      | 12/5/2011 06:31:19 | 9.54   | 49.86  | 32.41        | 9.22    | 7.79 | 7.0        | 3.12            | 99.5  |
| 637      | 12/5/2011 06:46:19 | 9.45   | 49.76  | 32.33        | 9.24    | 7.79 | 7.6        | 3.19            | 99.5  |
| 638      | 12/5/2011 07:01:19 | 9.40   | 49.91  | 32.43        | 9.22    | 7.80 | 6.4        | 3.24            | 99.2  |
| 639      | 12/5/2011 07:16:20 | 9.39   | 50.24  | 32.67        | 9.19    | 7.83 | 6.1        | 3.30            | 99.0  |
| 640      | 12/5/2011 07:31:19 | 9.31   | 50.10  | 32.56        | 9.21    | 7.79 | 6.2        | 3.34            | 99.0  |
| 641      | 12/5/2011 07:46:19 | 9.30   | 50.31  | 32.72        | 9.16    | 7.79 | 4.3        | 3.34            | 98.5  |
| 642      | 12/5/2011 08:01:19 | 9.28   | 50.13  | 32.58        | 9.17    | 7.79 | 4.8        | 3.37            | 98.5  |
| 643      | 12/5/2011 08:16:19 | 9.31   | 50.18  | 32.62        | 9.16    | 7.79 | 6.7        | 3.36            | 98.5  |
| 644      | 12/5/2011 08:31:19 | 9.30   | 50.15  | 32.60        | 9.17    | 7.79 | 6.1        | 3.33            | 98.6  |
| 645      | 12/5/2011 08:46:19 | 9.31   | 49.93  | 32.44        | 9.15    | 7.79 | 7.0        | 3.28            | 98.3  |
| 646      | 12/5/2011 09:01:19 | 9.24   | 49.55  | 32.16        | 9.14    | 7.79 | 6.5        | 3.22            | 97.8  |
| 647      | 12/5/2011 09:16:19 | 9.23   | 49.48  | 32.11        | 9.14    | 7.79 | 6.5        | 3.17            | 97.7  |
| 648      | 12/5/2011 09:31:19 | 9.15   | 49.36  | 32.02        | 9.23    | 7.79 | 5.5        | 3.10            | 98.5  |
| 649      | 12/5/2011 09:46:19 | 9.21   | 49.36  | 32.02        | 9.27    | 7.89 | 6.8        | 3.02            | 99.1  |
| 650      | 12/5/2011 10:01:19 | 9.25   | 49.18  | 31.90        | 9.23    | 7.88 | 6.3        | 2.92            | 98.7  |
| 651      | 12/5/2011 10:16:19 | 9.24   | 49.16  | 31.88        | 9.25    | 7.79 | 6.2        | 2.85            | 98.8  |
| 652      | 12/5/2011 10:31:19 | 9.25   | 49.03  | 31.79        | 9.27    | 7.79 | 6.0        | 2.78            | 99.0  |
| 653      | 12/5/2011 10:46:19 | 9.23   | 48.91  | 31.70        | 9.30    | 7.89 | 5.8        | 2.66            | 99.1  |
| 654      | 12/5/2011 11:01:19 | 9.18   | 48.77  | 31.60        | 9.32    | 7.89 | 5.7        | 2.59            | 99.2  |
| 655      | 12/5/2011 11:16:19 | 9.35   | 48.85  | 31.66        | 9.38    | 7.80 | 5.4        | 2.49            | 100.3 |
| 656      | 12/5/2011 11:31:19 | 9.50   | 49.13  | 31.88        | 9.45    | 7.81 | 7.8        | 2.41            | 101.5 |
| 657      | 12/5/2011 11:46:19 | 9.55   | 49.15  | 31.89        | 9.53    | 7.81 | 5.8        | 2.31            | 102.5 |
| 658      | 12/5/2011 12:01:19 | 9.62   | 48.92  | 31.73        | 9.60    | 7.82 | 6.5        | 2.19            | 103.3 |
| 659      | 12/5/2011 12:16:19 | 9.62   | 48.71  | 31.59        | 9.72    | 7.93 | 5.4        | 2.11            | 104.5 |
| 660      | 12/5/2011 12:31:19 | 9.61   | 48.53  | 31.46        | 9.78    | 7.93 | 5.3        | 2.01            | 105.1 |
| 661      | 12/5/2011 12:46:19 | 9.70   | 48.84  | 31.68        | 9.96    | 7.84 | 6.0        | 1.90            | 107.3 |
| 662      | 12/5/2011 13:01:19 | 9.66   | 48.88  | 31.71        | 9.99    | 7.84 | 6.8        | 1.81            | 107.6 |
| 663      | 12/5/2011 13:16:19 | 9.71   | 48.86  | 31.70        | 10.07   | 7.86 | 6.1        | 1.73            | 108.6 |
| 664      | 12/5/2011 13:31:19 | 9.64   | 48.66  | 31.55        | 10.11   | 7.85 | 5.6        | 1.65            | 108.7 |
| 665      | 12/5/2011 13:46:19 | 9.61   | 48.57  | 31.48        | 10.16   | 7.86 | 6.2        | 1.59            | 109.1 |
| 666      | 12/5/2011 14:01:19 | 9.49   | 48.04  | 31.09        | 10.10   | 7.85 | 5.6        | 1.53            | 107.9 |
| 667      | 12/5/2011 14:16:19 | 9.47   | 48.26  | 31.25        | 10.12   | 7.86 | 5.5        | 1.48            | 108.2 |
| 668      | 12/5/2011 14:31:19 | 9.21   | 48.36  | 31.31        | 10.20   | 7.86 | 4.9        | 1.49            | 108.5 |
| 669      | 12/5/2011 14:46:19 | 9.24   | 48.55  | 31.45        | 10.18   | 7.87 | 4.8        | 1.48            | 108.4 |
| 670      | 12/5/2011 15:01:20 | 9.09   | 48.57  | 31.45        | 10.24   | 7.94 | 4.9        | 1.49            | 108.7 |
| 671      | 12/5/2011 15:16:19 | 9.01   | 48.07  | 31.08        | 10.23   | 7.87 | 5.2        | 1.53            | 108.1 |
| 672      | 12/5/2011 15:31:19 | 9.06   | 48.27  | 31.23        | 10.19   | 7.87 | 4.7        | 1.57            | 108.0 |
| 673      | 12/5/2011 15:46:19 | 8.93   | 48.03  | 31.05        | 10.21   | 7.86 | 4.8        | 1.63            | 107.7 |
| 674      | 12/5/2011 16:01:19 | 8.95   | 48.09  | 31.09        | 10.15   | 7.86 | 4.9        | 1.67            | 107.1 |
| 675      | 12/5/2011 16:16:19 | 8.82   | 48.02  | 31.03        | 10.05   | 7.85 | 5.4        | 1.73            | 105.7 |
| 676      | 12/5/2011 16:31:19 | 8.89   | 48.15  | 31.13        | 9.98    | 7.85 | 5.1        | 1.81            | 105.3 |
| 677      | 12/5/2011 16:46:19 | 8.89   | 48.08  | 31.08        | 9.92    | 7.84 | 5.0        | 1.85            | 104.6 |
| 678      | 12/5/2011 17:01:19 | 8.87   | 48.07  | 31.07        | 9.87    | 7.83 | 5.4        | 1.91            | 104.0 |
| 679      | 12/5/2011 17:16:19 | 8.89   | 48.16  | 31.14        | 9.82    | 7.84 | 5.3        | 1.98            | 103.6 |
| 680      | 12/5/2011 17:31:19 | 8.95   | 48.12  | 31.11        | 9.80    | 7.83 | 5.4        | 2.04            | 103.5 |
| 681      | 12/5/2011 17:46:19 | 8.99   | 48.07  | 31.08        | 9.73    | 7.83 | 5.4        | 2.09            | 102.8 |
| 682      | 12/5/2011 18:01:19 | 9.08   | 48.19  | 31.17        | 9.64    | 7.82 | 5.1        | 2.16            | 102.2 |
| 683      | 12/5/2011 18:16:20 | 9.13   | 48.73  | 31.57        | 9.55    | 7.88 | 5.0        | 2.23            | 101.5 |
| 684      | 12/5/2011 18:31:20 | 9.21   | 48.76  | 31.59        | 9.42    | 7.87 | 5.1        | 2.29            | 100.3 |
| 685      | 12/5/2011 18:46:19 | 9.26   | 48.54  | 31.43        | 9.35    | 7.80 | 5.0        | 2.35            | 99.7  |
| 686      | 12/5/2011 19:01:19 | 9.29   | 48.57  | 31.46        | 9.34    | 7.80 | 4.9        | 2.41            | 99.6  |
| 687      | 12/5/2011 19:16:19 | 9.29   | 48.78  | 31.61        | 9.32    | 7.80 | 4.8        | 2.46            | 99.5  |
| 688      | 12/5/2011 19:31:19 | 9.30   | 48.64  | 31.51        | 9.31    | 7.80 | 4.7        | 2.52            | 99.4  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 689      | 12/5/2011 19:46:19 | 9.31   | 48.68  | 31.54        | 9.31    | 7.80 | 4.8        | 2.56            | 99.4  |
| 690      | 12/5/2011 20:01:19 | 9.31   | 48.93  | 31.72        | 9.30    | 7.80 | 4.8        | 2.61            | 99.4  |
| 691      | 12/5/2011 20:16:19 | 9.32   | 48.84  | 31.65        | 9.29    | 7.79 | 4.7        | 2.65            | 99.2  |
| 692      | 12/5/2011 20:31:19 | 9.32   | 49.26  | 31.96        | 9.26    | 7.80 | 4.5        | 2.68            | 99.2  |
| 693      | 12/5/2011 20:46:20 | 9.33   | 49.30  | 31.99        | 9.23    | 7.84 | 4.3        | 2.72            | 98.8  |
| 694      | 12/5/2011 21:01:19 | 9.35   | 49.07  | 31.82        | 9.17    | 7.80 | 4.2        | 2.74            | 98.1  |
| 695      | 12/5/2011 21:16:19 | 9.30   | 48.96  | 31.74        | 9.23    | 7.89 | 4.5        | 2.74            | 98.6  |
| 696      | 12/5/2011 21:31:19 | 9.33   | 49.08  | 31.83        | 9.17    | 7.79 | 4.4        | 2.76            | 98.1  |
| 697      | 12/5/2011 21:46:19 | 9.36   | 49.14  | 31.87        | 9.12    | 7.79 | 4.4        | 2.75            | 97.7  |
| 698      | 12/5/2011 22:01:20 | 9.34   | 49.46  | 32.10        | 9.13    | 7.84 | 4.3        | 2.72            | 97.9  |
| 699      | 12/5/2011 22:16:19 | 9.32   | 49.43  | 32.08        | 9.11    | 7.79 | 4.0        | 2.69            | 97.7  |
| 700      | 12/5/2011 22:31:19 | 9.12   | 48.78  | 31.60        | 9.14    | 7.78 | 4.5        | 2.65            | 97.2  |
| 701      | 12/5/2011 22:46:19 | 9.00   | 48.85  | 31.64        | 9.18    | 7.78 | 4.5        | 2.60            | 97.4  |
| 702      | 12/5/2011 23:01:19 | 9.12   | 48.62  | 31.49        | 9.19    | 7.79 | 4.8        | 2.55            | 97.7  |
| 703      | 12/5/2011 23:16:19 | 9.16   | 48.76  | 31.59        | 9.24    | 7.79 | 5.1        | 2.50            | 98.4  |
| 704      | 12/5/2011 23:31:19 | 9.05   | 48.62  | 31.48        | 9.24    | 7.79 | 4.7        | 2.44            | 98.0  |
| 705      | 12/5/2011 23:46:19 | 8.73   | 48.65  | 31.47        | 9.17    | 7.78 | 4.7        | 2.37            | 96.5  |
| 706      | 12/6/2011 00:01:19 | 8.89   | 48.79  | 31.59        | 9.28    | 7.78 | 5.1        | 2.33            | 98.2  |
| 707      | 12/6/2011 00:16:19 | 8.89   | 48.74  | 31.56        | 9.32    | 7.79 | 5.2        | 2.27            | 98.5  |
| 708      | 12/6/2011 00:31:19 | 8.85   | 48.57  | 31.43        | 9.39    | 7.80 | 4.7        | 2.24            | 99.2  |
| 709      | 12/6/2011 00:46:19 | 8.80   | 48.57  | 31.42        | 9.40    | 7.79 | 4.7        | 2.20            | 99.1  |
| 710      | 12/6/2011 01:01:19 | 8.78   | 48.59  | 31.44        | 9.43    | 7.79 | 4.6        | 2.13            | 99.4  |
| 711      | 12/6/2011 01:16:19 | 8.71   | 48.24  | 31.18        | 9.49    | 7.80 | 4.4        | 2.14            | 99.7  |
| 712      | 12/6/2011 01:31:19 | 8.70   | 48.51  | 31.37        | 9.53    | 7.80 | 4.3        | 2.12            | 100.3 |
| 713      | 12/6/2011 01:46:19 | 8.65   | 48.31  | 31.23        | 9.45    | 7.81 | 3.5        | 2.12            | 99.2  |
| 714      | 12/6/2011 02:01:19 | 8.63   | 48.26  | 31.19        | 9.53    | 7.81 | 4.0        | 2.11            | 100.0 |
| 715      | 12/6/2011 02:16:19 | 8.69   | 47.89  | 30.93        | 9.51    | 7.93 | 4.0        | 2.12            | 99.7  |
| 716      | 12/6/2011 02:31:19 | 8.70   | 47.94  | 30.96        | 9.49    | 7.92 | 4.2        | 2.16            | 99.5  |
| 717      | 12/6/2011 02:46:19 | 8.77   | 48.04  | 31.04        | 9.45    | 7.92 | 4.3        | 2.17            | 99.4  |
| 718      | 12/6/2011 03:01:19 | 8.84   | 48.44  | 31.33        | 9.41    | 7.80 | 4.2        | 2.22            | 99.3  |
| 719      | 12/6/2011 03:16:19 | 8.89   | 48.65  | 31.49        | 9.38    | 7.79 | 4.4        | 2.26            | 99.1  |
| 720      | 12/6/2011 03:31:19 | 8.86   | 48.63  | 31.47        | 9.40    | 7.79 | 4.6        | 2.33            | 99.2  |
| 721      | 12/6/2011 03:46:19 | 8.80   | 48.50  | 31.38        | 9.38    | 7.79 | 4.6        | 2.38            | 98.9  |
| 722      | 12/6/2011 04:01:19 | 8.81   | 48.56  | 31.42        | 9.38    | 7.79 | 4.4        | 2.44            | 98.9  |
| 723      | 12/6/2011 04:16:19 | 8.85   | 48.66  | 31.49        | 9.37    | 7.79 | 4.5        | 2.50            | 99.0  |
| 724      | 12/6/2011 04:31:20 | 8.97   | 48.99  | 31.74        | 9.29    | 7.86 | 4.2        | 2.55            | 98.6  |
| 725      | 12/6/2011 04:46:19 | 9.06   | 48.69  | 31.53        | 9.24    | 7.79 | 4.4        | 2.61            | 98.1  |
| 726      | 12/6/2011 05:01:19 | 9.12   | 48.99  | 31.75        | 9.21    | 7.79 | 4.5        | 2.68            | 98.1  |
| 727      | 12/6/2011 05:16:19 | 9.16   | 48.84  | 31.64        | 9.24    | 7.79 | 4.7        | 2.74            | 98.3  |
| 728      | 12/6/2011 05:31:19 | 9.21   | 49.32  | 31.99        | 9.21    | 7.78 | 4.8        | 2.81            | 98.4  |
| 729      | 12/6/2011 05:46:19 | 9.23   | 49.18  | 31.89        | 9.23    | 7.78 | 5.1        | 2.88            | 98.5  |
| 730      | 12/6/2011 06:01:19 | 9.25   | 49.89  | 32.41        | 9.22    | 7.78 | 5.4        | 2.95            | 98.8  |
| 731      | 12/6/2011 06:16:19 | 9.27   | 49.66  | 32.25        | 9.22    | 7.78 | 5.6        | 3.02            | 98.8  |
| 732      | 12/6/2011 06:31:20 | 9.25   | 49.93  | 32.43        | 9.19    | 7.84 | 6.0        | 3.09            | 98.6  |
| 733      | 12/6/2011 06:46:19 | 9.22   | 50.02  | 32.50        | 9.18    | 7.78 | 6.3        | 3.16            | 98.4  |
| 734      | 12/6/2011 07:01:19 | 9.18   | 49.96  | 32.46        | 9.19    | 7.78 | 7.0        | 3.23            | 98.4  |
| 735      | 12/6/2011 07:16:19 | 9.13   | 50.11  | 32.55        | 9.18    | 7.78 | 6.0        | 3.29            | 98.2  |
| 736      | 12/6/2011 07:31:19 | 9.12   | 50.15  | 32.58        | 9.18    | 7.78 | 6.2        | 3.34            | 98.2  |
| 737      | 12/6/2011 07:46:20 | 9.09   | 50.57  | 32.88        | 9.14    | 7.84 | 5.9        | 3.39            | 98.0  |
| 738      | 12/6/2011 08:01:19 | 9.08   | 50.28  | 32.67        | 9.13    | 7.78 | 5.6        | 3.43            | 97.7  |
| 739      | 12/6/2011 08:16:19 | 9.04   | 50.39  | 32.75        | 9.13    | 7.78 | 5.1        | 3.46            | 97.7  |
| 740      | 12/6/2011 08:31:19 | 9.04   | 50.61  | 32.91        | 9.05    | 7.77 | 4.3        | 3.48            | 96.9  |
| 741      | 12/6/2011 08:46:19 | 9.05   | 50.21  | 32.62        | 9.11    | 7.77 | 4.9        | 3.49            | 97.3  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 742      | 12/6/2011 09:01:19 | 9.05   | 50.15  | 32.58        | 9.07    | 7.77 | 4.9        | 3.47            | 96.9  |
| 743      | 12/6/2011 09:16:19 | 9.04   | 50.36  | 32.73        | 9.07    | 7.77 | 5.2        | 3.44            | 97.0  |
| 744      | 12/6/2011 09:31:19 | 9.05   | 50.01  | 32.48        | 9.07    | 7.77 | 5.3        | 3.40            | 96.9  |
| 745      | 12/6/2011 09:46:19 | 8.98   | 49.27  | 31.94        | 9.31    | 7.90 | 4.3        | 3.33            | 98.9  |
| 746      | 12/6/2011 10:01:19 | 9.08   | 49.87  | 32.38        | 9.19    | 7.78 | 5.4        | 3.26            | 98.1  |
| 747      | 12/6/2011 10:16:19 | 8.99   | 49.60  | 32.18        | 9.34    | 7.78 | 4.5        | 3.18            | 99.4  |
| 748      | 12/6/2011 10:31:19 | 9.05   | 49.64  | 32.21        | 9.31    | 7.79 | 5.0        | 3.09            | 99.2  |
| 749      | 12/6/2011 10:46:20 | 9.07   | 49.57  | 32.16        | 9.29    | 7.85 | 5.7        | 3.00            | 99.0  |
| 750      | 12/6/2011 11:01:19 | 9.09   | 49.39  | 32.04        | 9.30    | 7.79 | 5.9        | 2.90            | 99.1  |
| 751      | 12/6/2011 11:16:20 | 9.12   | 49.54  | 32.14        | 9.35    | 7.86 | 5.8        | 2.80            | 99.8  |
| 752      | 12/6/2011 11:31:19 | 9.15   | 49.12  | 31.84        | 9.40    | 7.79 | 5.4        | 2.70            | 100.2 |
| 753      | 12/6/2011 11:46:19 | 9.25   | 49.17  | 31.89        | 9.57    | 7.80 | 4.6        | 2.61            | 102.3 |
| 754      | 12/6/2011 12:01:19 | 9.35   | 49.18  | 31.90        | 9.61    | 7.81 | 5.9        | 2.49            | 102.9 |
| 755      | 12/6/2011 12:16:19 | 9.35   | 49.34  | 32.02        | 9.66    | 7.81 | 5.8        | 2.39            | 103.5 |
| 756      | 12/6/2011 12:31:19 | 9.21   | 48.86  | 31.66        | 9.75    | 7.81 | 7.0        | 2.28            | 103.9 |
| 757      | 12/6/2011 12:46:19 | 9.54   | 48.93  | 31.73        | 9.81    | 7.83 | 6.0        | 2.17            | 105.4 |
| 758      | 12/6/2011 13:01:19 | 9.37   | 48.71  | 31.57        | 9.93    | 7.83 | 5.6        | 2.05            | 106.1 |
| 759      | 12/6/2011 13:16:19 | 9.21   | 48.50  | 31.40        | 10.02   | 7.83 | 6.2        | 1.94            | 106.6 |
| 760      | 12/6/2011 13:31:19 | 9.45   | 48.64  | 31.52        | 10.15   | 7.85 | 6.0        | 1.82            | 108.7 |
| 761      | 12/6/2011 13:46:19 | 9.26   | 48.56  | 31.45        | 10.16   | 7.85 | 6.4        | 1.73            | 108.3 |
| 762      | 12/6/2011 14:01:19 | 9.46   | 48.70  | 31.57        | 10.25   | 7.86 | 6.0        | 1.62            | 109.8 |
| 763      | 12/6/2011 14:16:20 | 9.34   | 48.71  | 31.56        | 10.25   | 7.94 | 6.0        | 1.54            | 109.5 |
| 764      | 12/6/2011 14:31:19 | 9.21   | 48.35  | 31.29        | 10.24   | 7.86 | 5.5        | 1.47            | 108.9 |
| 765      | 12/6/2011 14:46:19 | 9.14   | 48.04  | 31.07        | 10.37   | 7.87 | 6.0        | 1.41            | 110.0 |
| 766      | 12/6/2011 15:01:19 | 9.00   | 48.36  | 31.29        | 10.61   | 7.89 | 5.2        | 1.38            | 112.3 |
| 767      | 12/6/2011 15:16:19 | 8.95   | 48.02  | 31.04        | 10.65   | 7.90 | 5.3        | 1.35            | 112.4 |
| 768      | 12/6/2011 15:31:19 | 9.07   | 48.02  | 31.05        | 10.60   | 7.90 | 4.9        | 1.36            | 112.2 |
| 769      | 12/6/2011 15:46:19 | 8.75   | 48.20  | 31.15        | 10.83   | 7.92 | 4.6        | 1.39            | 113.9 |
| 770      | 12/6/2011 16:01:19 | 8.82   | 48.15  | 31.12        | 10.75   | 7.91 | 4.5        | 1.42            | 113.2 |
| 771      | 12/6/2011 16:16:19 | 8.72   | 47.94  | 30.97        | 10.74   | 7.90 | 4.3        | 1.47            | 112.8 |
| 772      | 12/6/2011 16:31:19 | 8.69   | 48.02  | 31.02        | 10.71   | 7.90 | 4.2        | 1.53            | 112.4 |
| 773      | 12/6/2011 16:46:19 | 8.63   | 48.00  | 31.00        | 10.57   | 7.88 | 4.7        | 1.60            | 110.8 |
| 774      | 12/6/2011 17:01:19 | 8.72   | 48.03  | 31.03        | 10.48   | 7.88 | 4.6        | 1.66            | 110.0 |
| 775      | 12/6/2011 17:16:19 | 8.72   | 47.93  | 30.96        | 10.39   | 7.87 | 4.7        | 1.72            | 109.1 |
| 776      | 12/6/2011 17:31:19 | 8.70   | 47.98  | 30.99        | 10.29   | 7.86 | 5.2        | 1.80            | 107.9 |
| 777      | 12/6/2011 17:46:19 | 8.71   | 48.08  | 31.06        | 10.23   | 7.86 | 4.9        | 1.86            | 107.5 |
| 778      | 12/6/2011 18:01:19 | 8.73   | 48.14  | 31.11        | 10.19   | 7.86 | 4.9        | 1.92            | 107.0 |
| 779      | 12/6/2011 18:16:19 | 8.79   | 48.15  | 31.12        | 10.12   | 7.85 | 4.9        | 2.00            | 106.5 |
| 780      | 12/6/2011 18:31:19 | 8.83   | 48.16  | 31.14        | 10.07   | 7.85 | 4.9        | 2.06            | 106.0 |
| 781      | 12/6/2011 18:46:19 | 8.87   | 48.48  | 31.37        | 9.94    | 7.84 | 4.9        | 2.14            | 105.0 |
| 782      | 12/6/2011 19:01:20 | 8.93   | 48.67  | 31.51        | 9.79    | 7.91 | 5.1        | 2.21            | 103.6 |
| 783      | 12/6/2011 19:16:19 | 8.98   | 48.49  | 31.38        | 9.61    | 7.81 | 4.9        | 2.28            | 101.8 |
| 784      | 12/6/2011 19:31:19 | 9.02   | 48.68  | 31.52        | 9.57    | 7.80 | 5.3        | 2.35            | 101.4 |
| 785      | 12/6/2011 19:46:19 | 9.03   | 48.64  | 31.49        | 9.54    | 7.80 | 5.0        | 2.42            | 101.2 |
| 786      | 12/6/2011 20:01:19 | 9.05   | 49.17  | 31.87        | 9.50    | 7.80 | 5.2        | 2.50            | 101.0 |
| 787      | 12/6/2011 20:16:19 | 9.08   | 48.65  | 31.50        | 9.50    | 7.80 | 5.1        | 2.55            | 100.9 |
| 788      | 12/6/2011 20:31:19 | 9.09   | 48.98  | 31.74        | 9.46    | 7.80 | 5.1        | 2.61            | 100.6 |
| 789      | 12/6/2011 20:46:20 | 9.09   | 49.05  | 31.79        | 9.42    | 7.86 | 4.9        | 2.67            | 100.2 |
| 790      | 12/6/2011 21:01:19 | 9.10   | 48.79  | 31.60        | 9.39    | 7.79 | 4.9        | 2.71            | 99.8  |
| 791      | 12/6/2011 21:16:19 | 9.12   | 49.14  | 31.86        | 9.36    | 7.79 | 4.9        | 2.76            | 99.7  |
| 792      | 12/6/2011 21:31:19 | 9.14   | 49.23  | 31.93        | 9.36    | 7.79 | 4.9        | 2.79            | 99.8  |
| 793      | 12/6/2011 21:46:19 | 9.13   | 49.07  | 31.81        | 9.31    | 7.79 | 4.4        | 2.82            | 99.1  |
| 794      | 12/6/2011 22:01:19 | 9.13   | 49.04  | 31.78        | 9.30    | 7.79 | 4.2        | 2.85            | 99.1  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 795      | 12/6/2011 22:16:19 | 9.06   | 48.97  | 31.73        | 9.34    | 7.90 | 4.3        | 2.85            | 99.3  |
| 796      | 12/6/2011 22:31:19 | 9.12   | 49.30  | 31.98        | 9.25    | 7.78 | 4.5        | 2.86            | 98.6  |
| 797      | 12/6/2011 22:46:19 | 9.12   | 49.10  | 31.83        | 9.21    | 7.78 | 4.3        | 2.84            | 98.1  |
| 798      | 12/6/2011 23:01:19 | 9.11   | 49.37  | 32.02        | 9.23    | 7.79 | 4.6        | 2.81            | 98.4  |
| 799      | 12/6/2011 23:16:19 | 9.02   | 48.82  | 31.62        | 9.24    | 7.79 | 4.5        | 2.77            | 98.0  |
| 800      | 12/6/2011 23:31:19 | 8.76   | 49.01  | 31.74        | 9.34    | 7.79 | 4.2        | 2.71            | 98.6  |
| 801      | 12/6/2011 23:46:19 | 8.92   | 49.08  | 31.80        | 9.29    | 7.79 | 4.5        | 2.65            | 98.5  |
| 802      | 12/7/2011 00:01:19 | 8.85   | 48.71  | 31.53        | 9.29    | 7.79 | 4.6        | 2.60            | 98.2  |
| 803      | 12/7/2011 00:16:19 | 8.81   | 49.00  | 31.73        | 9.25    | 7.78 | 4.8        | 2.54            | 97.7  |
| 804      | 12/7/2011 00:31:19 | 8.76   | 48.98  | 31.72        | 9.28    | 7.78 | 4.6        | 2.48            | 97.9  |
| 805      | 12/7/2011 00:46:19 | 8.73   | 48.98  | 31.71        | 9.32    | 7.78 | 4.5        | 2.43            | 98.3  |
| 806      | 12/7/2011 01:01:19 | 8.73   | 48.88  | 31.64        | 9.36    | 7.78 | 4.5        | 2.38            | 98.7  |
| 807      | 12/7/2011 01:16:19 | 8.70   | 48.88  | 31.64        | 9.41    | 7.79 | 4.5        | 2.33            | 99.1  |
| 808      | 12/7/2011 01:31:19 | 8.65   | 48.76  | 31.55        | 9.45    | 7.79 | 4.3        | 2.30            | 99.4  |
| 809      | 12/7/2011 01:46:19 | 8.63   | 48.82  | 31.59        | 9.47    | 7.80 | 4.2        | 2.26            | 99.6  |
| 810      | 12/7/2011 02:01:19 | 8.64   | 48.60  | 31.43        | 9.55    | 7.80 | 4.2        | 2.23            | 100.4 |
| 811      | 12/7/2011 02:16:19 | 8.54   | 48.52  | 31.37        | 9.61    | 7.81 | 4.3        | 2.21            | 100.8 |
| 812      | 12/7/2011 02:31:19 | 8.51   | 48.40  | 31.28        | 9.56    | 7.81 | 3.4        | 2.22            | 100.0 |
| 813      | 12/7/2011 02:46:19 | 8.49   | 48.25  | 31.17        | 9.59    | 7.81 | 3.7        | 2.21            | 100.3 |
| 814      | 12/7/2011 03:01:19 | 8.51   | 48.02  | 31.00        | 9.61    | 7.95 | 3.6        | 2.22            | 100.4 |
| 815      | 12/7/2011 03:16:19 | 8.55   | 48.47  | 31.34        | 9.55    | 7.80 | 3.7        | 2.24            | 100.2 |
| 816      | 12/7/2011 03:31:19 | 8.64   | 48.53  | 31.38        | 9.52    | 7.80 | 4.0        | 2.27            | 100.0 |
| 817      | 12/7/2011 03:46:19 | 8.71   | 48.51  | 31.37        | 9.51    | 7.80 | 4.0        | 2.31            | 100.1 |
| 818      | 12/7/2011 04:01:19 | 8.73   | 48.50  | 31.37        | 9.50    | 7.79 | 4.3        | 2.35            | 100.0 |
| 819      | 12/7/2011 04:16:19 | 8.65   | 48.56  | 31.41        | 9.47    | 7.79 | 4.5        | 2.41            | 99.5  |
| 820      | 12/7/2011 04:31:19 | 8.63   | 48.76  | 31.55        | 9.46    | 7.79 | 4.5        | 2.46            | 99.4  |
| 821      | 12/7/2011 04:46:19 | 8.72   | 48.76  | 31.56        | 9.46    | 7.79 | 4.2        | 2.51            | 99.7  |
| 822      | 12/7/2011 05:01:19 | 8.80   | 48.80  | 31.59        | 9.41    | 7.79 | 4.3        | 2.57            | 99.3  |
| 823      | 12/7/2011 05:16:19 | 8.86   | 49.06  | 31.78        | 9.34    | 7.79 | 4.0        | 2.62            | 98.9  |
| 824      | 12/7/2011 05:31:19 | 8.91   | 48.94  | 31.70        | 9.30    | 7.79 | 4.3        | 2.69            | 98.5  |
| 825      | 12/7/2011 05:46:19 | 8.98   | 49.24  | 31.92        | 9.25    | 7.78 | 4.5        | 2.75            | 98.3  |
| 826      | 12/7/2011 06:01:19 | 8.99   | 49.19  | 31.88        | 9.25    | 7.78 | 4.6        | 2.82            | 98.2  |
| 827      | 12/7/2011 06:16:20 | 9.00   | 49.81  | 32.33        | 9.18    | 7.86 | 5.1        | 2.89            | 97.8  |
| 828      | 12/7/2011 06:31:19 | 9.03   | 49.67  | 32.23        | 9.15    | 7.78 | 5.4        | 2.95            | 97.5  |
| 829      | 12/7/2011 06:46:20 | 9.06   | 49.98  | 32.46        | 9.11    | 7.85 | 5.1        | 3.03            | 97.3  |
| 830      | 12/7/2011 07:01:19 | 9.06   | 49.87  | 32.38        | 9.05    | 7.78 | 6.1        | 3.10            | 96.6  |
| 831      | 12/7/2011 07:16:19 | 9.05   | 50.07  | 32.52        | 9.02    | 7.78 | 6.5        | 3.17            | 96.3  |
| 832      | 12/7/2011 07:31:20 | 9.03   | 50.41  | 32.76        | 8.96    | 7.85 | 6.7        | 3.24            | 95.8  |
| 833      | 12/7/2011 07:46:19 | 9.00   | 50.24  | 32.64        | 8.92    | 7.78 | 6.3        | 3.31            | 95.3  |
| 834      | 12/7/2011 08:01:19 | 8.99   | 50.48  | 32.81        | 8.90    | 7.77 | 5.7        | 3.37            | 95.1  |
| 835      | 12/7/2011 08:16:19 | 8.99   | 50.47  | 32.80        | 8.87    | 7.77 | 5.6        | 3.42            | 94.7  |
| 836      | 12/7/2011 08:31:19 | 8.98   | 50.45  | 32.79        | 8.85    | 7.76 | 5.2        | 3.47            | 94.5  |
| 837      | 12/7/2011 08:46:19 | 8.98   | 50.74  | 33.00        | 8.81    | 7.76 | 4.6        | 3.50            | 94.2  |
| 838      | 12/7/2011 09:01:19 | 8.98   | 50.46  | 32.80        | 8.75    | 7.76 | 4.6        | 3.53            | 93.5  |
| 839      | 12/7/2011 09:16:19 | 8.97   | 50.35  | 32.72        | 8.86    | 7.76 | 4.6        | 3.54            | 94.6  |
| 840      | 12/7/2011 09:31:19 | 8.96   | 50.57  | 32.88        | 8.72    | 7.76 | 5.1        | 3.54            | 93.2  |
| 841      | 12/7/2011 09:46:19 | 8.95   | 50.57  | 32.88        | 8.72    | 7.76 | 5.4        | 3.52            | 93.1  |
| 842      | 12/7/2011 10:01:19 | 8.96   | 50.65  | 32.93        | 8.71    | 7.76 | 5.3        | 3.47            | 93.1  |
| 843      | 12/7/2011 10:16:19 | 8.89   | 49.81  | 32.32        | 9.19    | 7.78 | 4.4        | 3.41            | 97.7  |
| 844      | 12/7/2011 10:31:19 | 8.95   | 49.60  | 32.18        | 9.23    | 7.78 | 4.3        | 3.33            | 98.1  |
| 845      | 12/7/2011 10:46:19 | 8.93   | 49.78  | 32.30        | 9.18    | 7.77 | 4.3        | 3.25            | 97.7  |
| 846      | 12/7/2011 11:01:19 | 9.00   | 49.68  | 32.24        | 9.18    | 7.78 | 4.8        | 3.16            | 97.7  |
| 847      | 12/7/2011 11:16:20 | 9.00   | 50.17  | 32.59        | 9.16    | 7.86 | 5.4        | 3.05            | 97.8  |

sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%   |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|-------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |       |
| 848      | 12/7/2011 11:31:19 | 9.03   | 49.56  | 32.15        | 9.24    | 7.78 | 5.9        | 2.95            | 98.5  |
| 849      | 12/7/2011 11:46:19 | 9.07   | 49.59  | 32.18        | 9.35    | 7.79 | 5.4        | 2.84            | 99.7  |
| 850      | 12/7/2011 12:01:19 | 9.09   | 49.53  | 32.14        | 9.41    | 7.80 | 5.3        | 2.74            | 100.3 |
| 851      | 12/7/2011 12:16:19 | 9.20   | 49.18  | 31.89        | 9.59    | 7.81 | 4.5        | 2.63            | 102.3 |
| 852      | 12/7/2011 12:31:19 | 9.10   | 49.51  | 32.12        | 9.62    | 7.81 | 6.1        | 2.51            | 102.6 |
| 853      | 12/7/2011 12:46:19 | 9.22   | 49.20  | 31.91        | 9.66    | 7.81 | 5.7        | 2.40            | 103.2 |
| 854      | 12/7/2011 13:01:20 | 9.14   | 49.36  | 32.02        | 9.75    | 7.91 | 5.9        | 2.28            | 104.0 |
| 855      | 12/7/2011 13:16:19 | 9.28   | 49.03  | 31.79        | 9.85    | 7.83 | 6.3        | 2.17            | 105.2 |
| 856      | 12/7/2011 13:31:20 | 9.17   | 49.09  | 31.83        | 10.03   | 7.93 | 6.8        | 2.05            | 106.9 |
| 857      | 12/7/2011 13:46:19 | 9.21   | 48.63  | 31.49        | 10.14   | 7.85 | 6.1        | 1.92            | 108.0 |
| 858      | 12/7/2011 14:01:20 | 9.30   | 48.96  | 31.74        | 10.22   | 7.94 | 5.7        | 1.80            | 109.2 |
| 859      | 12/7/2011 14:16:19 | 9.38   | 48.70  | 31.56        | 10.38   | 7.87 | 6.1        | 1.67            | 111.0 |
| 860      | 12/7/2011 14:31:19 | 9.24   | 48.52  | 31.42        | 10.40   | 7.87 | 6.0        | 1.58            | 110.7 |
| 861      | 12/7/2011 14:46:20 | 9.19   | 48.75  | 31.58        | 10.45   | 7.96 | 6.5        | 1.46            | 111.3 |
| 862      | 12/7/2011 15:01:19 | 9.09   | 48.49  | 31.39        | 10.44   | 7.88 | 5.1        | 1.37            | 110.7 |
| 863      | 12/7/2011 15:16:19 | 9.06   | 48.10  | 31.11        | 10.54   | 7.89 | 4.9        | 1.32            | 111.6 |
| 864      | 12/7/2011 15:31:19 | 9.07   | 48.37  | 31.30        | 10.63   | 7.90 | 5.1        | 1.27            | 112.7 |
| 865      | 12/7/2011 15:46:19 | 8.98   | 48.36  | 31.29        | 10.80   | 7.91 | 5.4        | 1.22            | 114.2 |
| 866      | 12/7/2011 16:01:19 | 8.92   | 48.23  | 31.19        | 10.85   | 7.92 | 5.1        | 1.24            | 114.5 |
| 867      | 12/7/2011 16:16:19 | 8.84   | 48.06  | 31.06        | 10.96   | 7.93 | 4.8        | 1.27            | 115.4 |
| 868      | 12/7/2011 16:31:20 | 8.81   | 48.31  | 31.24        | 10.91   | 8.01 | 4.5        | 1.28            | 115.0 |
| 869      | 12/7/2011 16:46:19 | 8.78   | 48.19  | 31.15        | 10.84   | 7.92 | 4.2        | 1.34            | 114.0 |
| 870      | 12/7/2011 17:01:19 | 8.68   | 48.06  | 31.05        | 10.82   | 7.92 | 4.2        | 1.41            | 113.6 |
| 871      | 12/7/2011 17:16:19 | 8.67   | 48.04  | 31.03        | 10.76   | 7.91 | 4.0        | 1.47            | 112.8 |
| 872      | 12/7/2011 17:31:19 | 8.61   | 47.90  | 30.93        | 10.58   | 7.89 | 4.8        | 1.53            | 110.7 |
| 873      | 12/7/2011 17:46:20 | 8.67   | 48.34  | 31.25        | 10.55   | 7.99 | 4.3        | 1.59            | 110.9 |
| 874      | 12/7/2011 18:01:19 | 8.65   | 47.91  | 30.94        | 10.46   | 7.88 | 4.7        | 1.66            | 109.5 |
| 875      | 12/7/2011 18:16:19 | 8.65   | 48.12  | 31.09        | 10.37   | 7.87 | 5.1        | 1.73            | 108.8 |
| 876      | 12/7/2011 18:31:19 | 8.66   | 48.11  | 31.08        | 10.34   | 7.87 | 5.0        | 1.80            | 108.5 |
| 877      | 12/7/2011 18:46:19 | 8.70   | 48.24  | 31.18        | 10.28   | 7.86 | 4.9        | 1.87            | 108.0 |
| 878      | 12/7/2011 19:01:19 | 8.74   | 48.15  | 31.12        | 10.23   | 7.86 | 4.9        | 1.95            | 107.5 |
| 879      | 12/7/2011 19:16:19 | 8.78   | 48.42  | 31.32        | 10.15   | 7.85 | 4.8        | 2.04            | 106.9 |
| 880      | 12/7/2011 19:31:20 | 8.83   | 48.85  | 31.63        | 9.97    | 7.92 | 5.4        | 2.13            | 105.4 |
| 881      | 12/7/2011 19:46:20 | 8.89   | 48.84  | 31.62        | 9.74    | 7.91 | 5.5        | 2.20            | 103.1 |
| 882      | 12/7/2011 20:01:19 | 8.93   | 48.32  | 31.26        | 9.69    | 7.82 | 5.3        | 2.28            | 102.4 |
| 883      | 12/7/2011 20:16:19 | 8.97   | 48.82  | 31.62        | 9.61    | 7.81 | 5.2        | 2.37            | 101.9 |
| 884      | 12/7/2011 20:31:19 | 8.98   | 48.64  | 31.49        | 9.59    | 7.81 | 5.6        | 2.44            | 101.6 |
| 885      | 12/7/2011 20:46:19 | 8.99   | 49.21  | 31.90        | 9.52    | 7.80 | 5.6        | 2.51            | 101.2 |
| 886      | 12/7/2011 21:01:19 | 8.99   | 49.21  | 31.90        | 9.49    | 7.80 | 5.3        | 2.58            | 100.9 |
| 887      | 12/7/2011 21:16:20 | 8.99   | 49.23  | 31.92        | 9.45    | 7.88 | 5.3        | 2.65            | 100.4 |
| 888      | 12/7/2011 21:31:19 | 9.02   | 48.93  | 31.70        | 9.40    | 7.79 | 5.3        | 2.70            | 99.8  |
| 889      | 12/7/2011 21:46:19 | 9.01   | 48.91  | 31.68        | 9.37    | 7.79 | 6.0        | 2.77            | 99.5  |
| 890      | 12/7/2011 22:01:19 | 9.02   | 49.43  | 32.06        | 9.31    | 7.78 | 5.7        | 2.81            | 99.0  |
| 891      | 12/7/2011 22:16:20 | 9.02   | 49.68  | 32.24        | 9.25    | 7.86 | 5.2        | 2.85            | 98.5  |
| 892      | 12/7/2011 22:31:19 | 9.02   | 49.57  | 32.16        | 9.22    | 7.78 | 4.8        | 2.90            | 98.1  |
| 893      | 12/7/2011 22:46:20 | 9.03   | 49.61  | 32.19        | 9.17    | 7.86 | 4.8        | 2.92            | 97.7  |
| 894      | 12/7/2011 23:01:20 | 9.03   | 49.60  | 32.19        | 9.06    | 7.86 | 3.8        | 2.94            | 96.5  |
| 895      | 12/7/2011 23:16:20 | 9.02   | 49.82  | 32.34        | 9.14    | 7.86 | 4.8        | 2.94            | 97.5  |
| 896      | 12/7/2011 23:31:19 | 9.05   | 49.47  | 32.09        | 9.07    | 7.77 | 5.2        | 2.94            | 96.6  |
| 897      | 12/7/2011 23:46:19 | 9.04   | 49.69  | 32.25        | 9.04    | 7.78 | 3.9        | 2.91            | 96.3  |
| 898      | 12/8/2011 00:01:19 | 8.98   | 49.21  | 31.90        | 9.17    | 7.79 | 4.6        | 2.86            | 97.4  |
| 899      | 12/8/2011 00:16:19 | 8.89   | 48.82  | 31.61        | 9.31    | 7.79 | 4.4        | 2.82            | 98.5  |
| 900      | 12/8/2011 00:31:19 | 8.96   | 49.06  | 31.79        | 9.27    | 7.79 | 4.4        | 2.77            | 98.3  |



sonde #1

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond | Salinity ppt | DO Conc | pH   | Turbidity+ | Depth<br>meters | DO%    |
|----------|--------------------|--------|--------|--------------|---------|------|------------|-----------------|--------|
|          |                    |        | mS/cm  |              | mg/L    |      | NTU        |                 |        |
| 901      | 12/8/2011 00:46:19 | 8.94   | 49.08  | 31.80        | 9.28    | 7.79 | 4.9        | 2.69            | 98.5   |
| 902      | 12/8/2011 01:01:19 | 8.93   | 49.06  | 31.79        | 9.21    | 7.78 | 4.6        | 2.64            | 97.7   |
| 903      | 12/8/2011 01:16:19 | 8.92   | 49.08  | 31.80        | 9.27    | 7.79 | 4.5        | 2.57            | 98.2   |
| 904      | 12/8/2011 01:31:19 | 8.91   | 49.01  | 31.75        | 9.29    | 7.79 | 4.2        | 2.52            | 98.4   |
| 905      | 12/8/2011 01:46:19 | 8.89   | 49.17  | 31.86        | 9.33    | 7.79 | 4.1        | 2.46            | 98.9   |
| 906      | 12/8/2011 02:01:19 | 8.88   | 48.98  | 31.72        | 9.40    | 7.80 | 4.2        | 2.42            | 99.5   |
| 907      | 12/8/2011 02:16:20 | 8.87   | 49.06  | 31.78        | 9.36    | 7.89 | 4.0        | 2.38            | 99.1   |
| 908      | 12/8/2011 02:31:19 | 8.86   | 48.93  | 31.69        | 9.39    | 7.80 | 4.1        | 2.33            | 99.3   |
| 909      | 12/8/2011 02:46:19 | 8.85   | 48.70  | 31.52        | 9.47    | 7.80 | 4.0        | 2.30            | 100.0  |
| 910      | 12/8/2011 03:01:20 | 8.82   | 49.11  | 31.81        | 9.48    | 7.89 | 3.8        | 2.27            | 100.3  |
| 911      | 12/8/2011 03:16:19 | 8.78   | 48.60  | 31.44        | 9.54    | 7.80 | 3.8        | 2.27            | 100.6  |
| 912      | 12/8/2011 03:31:20 | 8.74   | 48.80  | 31.58        | 9.48    | 7.89 | 3.6        | 2.27            | 100.0  |
| 913      | 12/8/2011 03:46:19 | 8.75   | 48.71  | 31.52        | 9.44    | 7.80 | 3.7        | 2.27            | 99.6   |
| 914      | 12/8/2011 04:01:20 | 8.79   | 48.75  | 31.55        | 9.49    | 7.88 | 3.6        | 2.30            | 100.1  |
| 915      | 12/8/2011 04:16:20 | 8.83   | 48.93  | 31.69        | 9.45    | 7.89 | 3.8        | 2.33            | 99.9   |
| 916      | 12/8/2011 04:31:19 | 8.85   | 48.70  | 31.52        | 9.46    | 7.80 | 4.0        | 2.38            | 99.9   |
| 917      | 12/8/2011 04:46:20 | 8.83   | 48.88  | 31.65        | 9.44    | 7.88 | 4.2        | 2.42            | 99.8   |
| 918      | 12/8/2011 05:01:19 | 8.78   | 48.77  | 31.57        | 9.42    | 7.79 | 4.3        | 2.48            | 99.4   |
| 919      | 12/8/2011 05:16:19 | 8.81   | 48.78  | 31.58        | 9.43    | 7.79 | 4.2        | 2.54            | 99.6   |
| 920      | 12/8/2011 05:31:19 | 8.87   | 48.82  | 31.61        | 9.39    | 7.79 | 4.5        | 2.60            | 99.3   |
| 921      | 12/8/2011 05:46:19 | 8.91   | 49.07  | 31.79        | 9.29    | 7.78 | 4.5        | 2.66            | 98.5   |
| 922      | 12/8/2011 06:01:19 | 8.93   | 49.43  | 32.05        | 9.22    | 7.78 | 4.2        | 2.72            | 97.9   |
| 923      | 12/8/2011 06:16:19 | 8.95   | 49.04  | 31.77        | 9.19    | 7.78 | 4.4        | 2.79            | 97.4   |
| 924      | 12/8/2011 06:31:19 | 8.95   | 49.34  | 31.99        | 9.16    | 7.78 | 4.5        | 2.86            | 97.3   |
| 925      | 12/8/2011 06:46:19 | 8.97   | 49.99  | 32.46        | 9.08    | 7.77 | 4.9        | 2.92            | 96.8   |
| 926      | 12/8/2011 07:01:19 | 8.98   | 49.79  | 32.32        | 9.07    | 7.77 | 4.6        | 3.01            | 96.6   |
| 927      | 12/8/2011 07:16:20 | 9.01   | 50.35  | 32.72        | 8.98    | 7.85 | 5.7        | 3.08            | 95.9   |
| 928      | 12/8/2011 07:31:19 | 9.01   | 49.92  | 32.41        | 8.91    | 7.76 | 6.1        | 3.16            | 95.0   |
| 929      | 12/8/2011 07:46:20 | 9.00   | 50.60  | 32.90        | 8.82    | 7.84 | 5.6        | 3.24            | 94.4   |
| 930      | 12/8/2011 08:01:20 | 9.01   | 50.68  | 32.96        | 8.74    | 7.84 | 5.9        | 3.31            | 93.5   |
| 931      | 12/8/2011 08:16:19 | 9.01   | 50.42  | 32.77        | 8.67    | 7.75 | 6.5        | 3.38            | 92.6   |
| 932      | 12/8/2011 08:31:20 | 8.99   | 50.87  | 33.10        | 8.58    | 7.83 | 5.9        | 3.44            | 91.9   |
| 933      | 12/8/2011 08:46:20 | 8.98   | 50.84  | 33.07        | 8.52    | 7.82 | 5.4        | 3.50            | 91.2   |
| 934      | 12/8/2011 09:01:19 | 8.97   | 50.64  | 32.93        | 8.49    | 7.74 | 4.6        | 3.55            | 90.8   |
| 935      | 12/8/2011 09:16:19 | 8.96   | 50.75  | 33.00        | 8.46    | 7.74 | 4.2        | 3.58            | 90.5   |
| 936      | 12/8/2011 09:31:19 | 8.96   | 50.28  | 32.67        | 8.45    | 7.74 | 3.8        | 3.61            | 90.2   |
| 937      | 12/8/2011 09:46:19 | 8.97   | 50.52  | 32.84        | 8.57    | 7.75 | 4.3        | 3.63            | 91.6   |
| 938      | 12/8/2011 10:01:19 | 8.96   | 50.67  | 32.95        | 8.47    | 7.74 | 4.3        | 3.62            | 90.6   |
| 939      | 12/8/2011 10:16:19 | 8.95   | 50.88  | 33.10        | 8.43    | 7.74 | 4.3        | 3.59            | 90.2   |
| 940      | 12/8/2011 10:31:20 | 8.95   | 51.06  | 33.23        | 8.41    | 7.82 | 6.5        | 3.56            | 90.1   |
| Mean     |                    | 10.00  | 48.50  | 31.46        | 9.13    | 7.81 | 8.86       | 2.38            | 98.86  |
| Minimum  |                    | 8.49   | 45.88  | 29.65        | 8.12    | 7.69 | 3.40       | 0.81            | 90.10  |
| Maximum  |                    | 11.60  | 51.06  | 33.23        | 10.96   | 8.01 | 33.10      | 3.63            | 115.40 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 0        | 12/8/2011 11:01:19 | 9.06   | 50.19           | 32.61        | 9.37            | 7.83 | 3.7               | 3.54            | 100.1 |
| 1        | 12/8/2011 11:16:19 | 9.07   | 50.18           | 32.60        | 9.35            | 7.83 | 3.8               | 3.44            | 99.9  |
| 2        | 12/8/2011 11:31:19 | 9.09   | 50.27           | 32.67        | 9.25            | 7.83 | 3.8               | 3.35            | 98.9  |
| 3        | 12/8/2011 11:46:19 | 9.04   | 50.10           | 32.54        | 9.36            | 7.83 | 4.8               | 3.26            | 100.0 |
| 4        | 12/8/2011 12:01:19 | 9.09   | 49.95           | 32.44        | 9.53            | 7.85 | 3.7               | 3.14            | 101.8 |
| 5        | 12/8/2011 12:16:19 | 9.12   | 49.88           | 32.39        | 9.53            | 7.85 | 4.0               | 3.05            | 101.9 |
| 6        | 12/8/2011 12:31:19 | 9.13   | 49.85           | 32.37        | 9.59            | 7.85 | 4.1               | 2.94            | 102.5 |
| 7        | 12/8/2011 12:46:19 | 9.22   | 49.78           | 32.33        | 9.83            | 7.87 | 3.5               | 2.82            | 105.3 |
| 8        | 12/8/2011 13:01:19 | 9.28   | 49.83           | 32.37        | 9.80            | 7.87 | 4.1               | 2.71            | 105.1 |
| 9        | 12/8/2011 13:16:19 | 9.14   | 49.55           | 32.16        | 9.85            | 7.87 | 7.4               | 2.59            | 105.1 |
| 10       | 12/8/2011 13:31:19 | 9.23   | 49.49           | 32.12        | 9.94            | 7.88 | 5.0               | 2.45            | 106.3 |
| 11       | 12/8/2011 13:46:19 | 9.26   | 49.53           | 32.15        | 10.04           | 7.88 | 6.3               | 2.32            | 107.4 |
| 12       | 12/8/2011 14:01:19 | 9.32   | 49.38           | 32.04        | 10.17           | 7.89 | 4.4               | 2.20            | 108.9 |
| 13       | 12/8/2011 14:16:19 | 9.28   | 49.16           | 31.89        | 10.32           | 7.90 | 6.8               | 2.07            | 110.3 |
| 14       | 12/8/2011 14:31:19 | 9.36   | 49.09           | 31.84        | 10.46           | 7.91 | 5.3               | 1.92            | 112.0 |
| 15       | 12/8/2011 14:46:19 | 9.41   | 48.98           | 31.76        | 10.69           | 7.93 | 5.6               | 1.79            | 114.5 |
| 16       | 12/8/2011 15:01:19 | 9.41   | 48.96           | 31.75        | 10.69           | 7.93 | 5.4               | 1.68            | 114.5 |
| 17       | 12/8/2011 15:16:19 | 9.29   | 48.84           | 31.66        | 10.71           | 7.94 | 6.4               | 1.56            | 114.4 |
| 18       | 12/8/2011 15:31:20 | 9.14   | 48.70           | 31.54        | 10.78           | 7.94 | 5.2               | 1.44            | 114.7 |
| 19       | 12/8/2011 15:46:20 | 9.17   | 48.70           | 31.55        | 10.79           | 7.94 | 4.9               | 1.35            | 114.9 |
| 20       | 12/8/2011 16:01:19 | 9.15   | 48.62           | 31.49        | 10.93           | 7.96 | 6.2               | 1.28            | 116.2 |
| 21       | 12/8/2011 16:16:19 | 9.13   | 48.57           | 31.45        | 10.99           | 7.96 | 5.6               | 1.23            | 116.8 |
| 22       | 12/8/2011 16:31:19 | 9.09   | 48.44           | 31.35        | 11.17           | 7.98 | 6.1               | 1.21            | 118.5 |
| 23       | 12/8/2011 16:46:20 | 9.12   | 48.58           | 31.46        | 10.92           | 7.96 | 5.9               | 1.21            | 116.0 |
| 24       | 12/8/2011 17:01:20 | 9.03   | 48.34           | 31.27        | 11.31           | 7.99 | 4.5               | 1.25            | 119.7 |
| 25       | 12/8/2011 17:16:19 | 9.01   | 48.37           | 31.30        | 11.24           | 7.99 | 8.1               | 1.30            | 119.0 |
| 26       | 12/8/2011 17:31:19 | 8.98   | 48.38           | 31.30        | 11.20           | 7.98 | 6.3               | 1.36            | 118.6 |
| 27       | 12/8/2011 17:46:19 | 8.96   | 48.39           | 31.31        | 11.17           | 7.98 | 5.5               | 1.42            | 118.1 |
| 28       | 12/8/2011 18:01:19 | 8.92   | 48.24           | 31.20        | 10.96           | 7.96 | 7.0               | 1.50            | 115.7 |
| 29       | 12/8/2011 18:16:19 | 8.95   | 48.29           | 31.24        | 10.92           | 7.96 | 6.7               | 1.56            | 115.5 |
| 30       | 12/8/2011 18:31:19 | 8.95   | 48.27           | 31.22        | 10.86           | 7.95 | 6.9               | 1.63            | 114.8 |
| 31       | 12/8/2011 18:46:19 | 8.95   | 48.22           | 31.18        | 10.75           | 7.94 | 6.1               | 1.71            | 113.6 |
| 32       | 12/8/2011 19:01:19 | 8.91   | 48.12           | 31.11        | 10.68           | 7.93 | 5.7               | 1.78            | 112.7 |
| 33       | 12/8/2011 19:16:19 | 8.94   | 48.22           | 31.18        | 10.60           | 7.93 | 5.3               | 1.86            | 112.0 |
| 34       | 12/8/2011 19:31:19 | 8.97   | 48.37           | 31.29        | 10.55           | 7.92 | 5.2               | 1.95            | 111.6 |
| 35       | 12/8/2011 19:46:19 | 8.98   | 48.47           | 31.36        | 10.48           | 7.91 | 4.9               | 2.04            | 110.9 |
| 36       | 12/8/2011 20:01:19 | 9.01   | 48.65           | 31.50        | 10.36           | 7.90 | 5.2               | 2.13            | 109.8 |
| 37       | 12/8/2011 20:16:19 | 9.01   | 48.85           | 31.64        | 10.11           | 7.88 | 5.5               | 2.22            | 107.3 |
| 38       | 12/8/2011 20:31:20 | 9.03   | 48.99           | 31.74        | 9.97            | 7.87 | 5.7               | 2.31            | 105.9 |
| 39       | 12/8/2011 20:46:20 | 9.05   | 49.09           | 31.81        | 9.88            | 7.87 | 5.7               | 2.40            | 105.0 |
| 40       | 12/8/2011 21:01:20 | 9.05   | 49.18           | 31.88        | 9.81            | 7.86 | 5.9               | 2.49            | 104.3 |
| 41       | 12/8/2011 21:16:20 | 9.05   | 49.26           | 31.94        | 9.75            | 7.86 | 5.7               | 2.57            | 103.7 |
| 42       | 12/8/2011 21:31:20 | 9.06   | 49.35           | 32.01        | 9.69            | 7.85 | 5.6               | 2.64            | 103.2 |
| 43       | 12/8/2011 21:46:20 | 9.06   | 49.43           | 32.06        | 9.63            | 7.85 | 5.7               | 2.71            | 102.6 |
| 44       | 12/8/2011 22:01:20 | 9.06   | 49.51           | 32.12        | 9.57            | 7.84 | 5.9               | 2.78            | 102.0 |
| 45       | 12/8/2011 22:16:19 | 9.03   | 49.65           | 32.22        | 9.50            | 7.84 | 6.6               | 2.85            | 101.2 |
| 46       | 12/8/2011 22:31:19 | 9.03   | 49.73           | 32.27        | 9.46            | 7.84 | 5.9               | 2.90            | 100.9 |
| 47       | 12/8/2011 22:46:20 | 9.03   | 49.83           | 32.35        | 9.40            | 7.83 | 5.3               | 2.97            | 100.3 |
| 48       | 12/8/2011 23:01:20 | 9.03   | 49.96           | 32.44        | 9.33            | 7.83 | 5.1               | 3.01            | 99.6  |
| 49       | 12/8/2011 23:16:19 | 9.03   | 50.12           | 32.56        | 9.23            | 7.82 | 4.5               | 3.05            | 98.6  |
| 50       | 12/8/2011 23:31:19 | 9.03   | 50.23           | 32.64        | 9.18            | 7.82 | 4.6               | 3.07            | 98.1  |
| 51       | 12/8/2011 23:46:20 | 9.03   | 50.33           | 32.71        | 9.10            | 7.82 | 3.5               | 3.08            | 97.3  |
| 52       | 12/9/2011 00:01:19 | 9.03   | 50.17           | 32.59        | 9.09            | 7.82 | 4.8               | 3.09            | 97.1  |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time        | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|--------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 53       | 12/9/2011 00:16:19 | 9.03   | 50.28           | 32.67        | 9.10            | 7.82 | 4.2               | 3.08            | 97.2  |
| 54       | 12/9/2011 00:31:20 | 9.03   | 50.26           | 32.66        | 9.11            | 7.82 | 4.5               | 3.04            | 97.4  |
| 55       | 12/9/2011 00:46:19 | 9.04   | 50.15           | 32.58        | 9.16            | 7.82 | 4.8               | 3.00            | 97.9  |
| 56       | 12/9/2011 01:01:19 | 9.01   | 49.84           | 32.35        | 9.30            | 7.83 | 4.9               | 2.96            | 99.1  |
| 57       | 12/9/2011 01:16:20 | 8.97   | 49.67           | 32.23        | 9.36            | 7.83 | 4.9               | 2.89            | 99.6  |
| 58       | 12/9/2011 01:31:20 | 8.89   | 49.68           | 32.23        | 9.31            | 7.83 | 4.6               | 2.82            | 98.9  |
| 59       | 12/9/2011 01:46:20 | 8.87   | 49.69           | 32.24        | 9.35            | 7.83 | 4.6               | 2.76            | 99.3  |
| 60       | 12/9/2011 02:01:20 | 8.82   | 49.80           | 32.31        | 9.29            | 7.82 | 3.8               | 2.69            | 98.6  |
| 61       | 12/9/2011 02:16:19 | 8.80   | 49.61           | 32.17        | 9.35            | 7.83 | 4.4               | 2.63            | 99.1  |
| 62       | 12/9/2011 02:31:19 | 8.80   | 49.50           | 32.09        | 9.40            | 7.83 | 3.9               | 2.58            | 99.6  |
| 63       | 12/9/2011 02:46:19 | 8.74   | 49.44           | 32.05        | 9.45            | 7.83 | 3.9               | 2.53            | 99.9  |
| 64       | 12/9/2011 03:01:20 | 8.75   | 49.36           | 31.99        | 9.45            | 7.83 | 4.0               | 2.50            | 99.9  |
| 65       | 12/9/2011 03:16:20 | 8.72   | 49.32           | 31.95        | 9.44            | 7.83 | 3.7               | 2.46            | 99.7  |
| 66       | 12/9/2011 03:31:20 | 8.71   | 49.29           | 31.94        | 9.46            | 7.84 | 4.0               | 2.43            | 99.9  |
| 67       | 12/9/2011 03:46:20 | 8.75   | 49.19           | 31.87        | 9.55            | 7.84 | 3.8               | 2.41            | 100.9 |
| 68       | 12/9/2011 04:01:20 | 8.76   | 49.11           | 31.81        | 9.60            | 7.85 | 3.7               | 2.38            | 101.4 |
| 69       | 12/9/2011 04:16:20 | 8.72   | 49.08           | 31.78        | 9.62            | 7.85 | 3.8               | 2.39            | 101.5 |
| 70       | 12/9/2011 04:31:19 | 8.69   | 49.06           | 31.77        | 9.65            | 7.85 | 3.6               | 2.40            | 101.8 |
| 71       | 12/9/2011 04:46:20 | 8.70   | 49.12           | 31.81        | 9.68            | 7.85 | 3.5               | 2.42            | 102.1 |
| 72       | 12/9/2011 05:01:19 | 8.78   | 49.17           | 31.86        | 9.64            | 7.85 | 3.8               | 2.46            | 101.9 |
| 73       | 12/9/2011 05:16:19 | 8.78   | 49.21           | 31.88        | 9.63            | 7.85 | 4.0               | 2.50            | 101.9 |
| 74       | 12/9/2011 05:31:20 | 8.76   | 49.23           | 31.89        | 9.61            | 7.84 | 4.4               | 2.55            | 101.5 |
| 75       | 12/9/2011 05:46:19 | 8.68   | 49.12           | 31.81        | 9.60            | 7.84 | 5.1               | 2.62            | 101.2 |
| 76       | 12/9/2011 06:01:20 | 8.78   | 49.29           | 31.94        | 9.56            | 7.84 | 4.5               | 2.67            | 101.1 |
| 77       | 12/9/2011 06:16:19 | 8.81   | 49.38           | 32.00        | 9.51            | 7.84 | 4.2               | 2.73            | 100.7 |
| 78       | 12/9/2011 06:31:19 | 8.85   | 49.54           | 32.12        | 9.43            | 7.83 | 4.3               | 2.81            | 100.0 |
| 79       | 12/9/2011 06:46:20 | 8.87   | 49.71           | 32.25        | 9.35            | 7.83 | 4.4               | 2.88            | 99.3  |
| 80       | 12/9/2011 07:01:19 | 8.90   | 49.85           | 32.35        | 9.30            | 7.83 | 4.6               | 2.94            | 98.9  |
| 81       | 12/9/2011 07:16:19 | 8.92   | 50.03           | 32.49        | 9.25            | 7.82 | 4.6               | 3.02            | 98.5  |
| 82       | 12/9/2011 07:31:20 | 8.94   | 50.14           | 32.57        | 9.22            | 7.82 | 4.8               | 3.09            | 98.3  |
| 83       | 12/9/2011 07:46:20 | 8.94   | 50.20           | 32.61        | 9.19            | 7.82 | 4.9               | 3.17            | 97.9  |
| 84       | 12/9/2011 08:01:19 | 8.94   | 50.36           | 32.72        | 9.12            | 7.82 | 5.7               | 3.25            | 97.3  |
| 85       | 12/9/2011 08:16:19 | 8.94   | 50.52           | 32.84        | 9.07            | 7.82 | 5.8               | 3.33            | 96.8  |
| 86       | 12/9/2011 08:31:19 | 8.93   | 50.62           | 32.91        | 9.04            | 7.81 | 5.1               | 3.41            | 96.5  |
| 87       | 12/9/2011 08:46:20 | 8.93   | 50.71           | 32.98        | 8.99            | 7.81 | 5.4               | 3.51            | 96.1  |
| 88       | 12/9/2011 09:01:19 | 8.91   | 50.80           | 33.04        | 8.97            | 7.81 | 5.4               | 3.55            | 95.8  |
| 89       | 12/9/2011 09:16:20 | 8.90   | 50.87           | 33.09        | 8.94            | 7.81 | 6.2               | 3.61            | 95.5  |
| 90       | 12/9/2011 09:31:19 | 8.89   | 50.94           | 33.14        | 8.90            | 7.81 | 5.7               | 3.67            | 95.0  |
| 91       | 12/9/2011 09:46:20 | 8.89   | 50.99           | 33.17        | 8.89            | 7.81 | 5.2               | 3.73            | 95.0  |
| 92       | 12/9/2011 10:01:19 | 8.90   | 51.01           | 33.19        | 8.89            | 7.81 | 4.5               | 3.76            | 95.0  |
| 93       | 12/9/2011 10:16:20 | 8.91   | 51.02           | 33.20        | 8.80            | 7.81 | 2.7               | 3.77            | 94.1  |
| 94       | 12/9/2011 10:31:20 | 8.90   | 50.93           | 33.13        | 8.88            | 7.81 | 3.5               | 3.79            | 94.9  |
| 95       | 12/9/2011 10:46:19 | 8.91   | 50.99           | 33.18        | 8.84            | 7.81 | 4.1               | 3.76            | 94.6  |
| 96       | 12/9/2011 11:01:20 | 8.90   | 50.98           | 33.17        | 8.86            | 7.81 | 4.2               | 3.72            | 94.7  |
| 97       | 12/9/2011 11:16:19 | 8.99   | 50.78           | 33.03        | 9.06            | 7.82 | 4.4               | 3.66            | 97.0  |
| 98       | 12/9/2011 11:31:20 | 9.08   | 50.45           | 32.80        | 9.36            | 7.83 | 4.2               | 3.60            | 100.2 |
| 99       | 12/9/2011 11:46:19 | 9.10   | 50.54           | 32.87        | 9.33            | 7.83 | 3.7               | 3.50            | 100.0 |
| 100      | 12/9/2011 12:01:19 | 9.08   | 50.53           | 32.86        | 9.29            | 7.83 | 4.0               | 3.40            | 99.5  |
| 101      | 12/9/2011 12:16:20 | 9.03   | 50.33           | 32.71        | 9.36            | 7.83 | 5.2               | 3.32            | 100.1 |
| 102      | 12/9/2011 12:31:20 | 9.03   | 50.35           | 32.72        | 9.32            | 7.83 | 5.5               | 3.19            | 99.6  |
| 103      | 12/9/2011 12:46:19 | 9.09   | 50.21           | 32.63        | 9.44            | 7.84 | 4.9               | 3.09            | 101.0 |
| 104      | 12/9/2011 13:01:20 | 9.10   | 50.22           | 32.63        | 9.46            | 7.84 | 4.9               | 2.99            | 101.2 |
| 105      | 12/9/2011 13:16:19 | 9.13   | 50.01           | 32.48        | 9.65            | 7.85 | 4.9               | 2.86            | 103.2 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 106      | 12/9/2011 13:31:20  | 9.18   | 49.96           | 32.45        | 9.70            | 7.85 | 6.2               | 2.76            | 103.8 |
| 107      | 12/9/2011 13:46:19  | 9.30   | 50.15           | 32.60        | 9.78            | 7.86 | 3.9               | 2.63            | 105.1 |
| 108      | 12/9/2011 14:01:20  | 9.22   | 49.89           | 32.41        | 9.92            | 7.87 | 6.2               | 2.50            | 106.2 |
| 109      | 12/9/2011 14:16:20  | 9.17   | 49.64           | 32.22        | 10.03           | 7.88 | 6.5               | 2.35            | 107.1 |
| 110      | 12/9/2011 14:31:20  | 9.28   | 49.71           | 32.28        | 10.09           | 7.88 | 5.7               | 2.22            | 108.2 |
| 111      | 12/9/2011 14:46:20  | 9.21   | 49.33           | 32.00        | 10.28           | 7.89 | 5.7               | 2.10            | 109.8 |
| 112      | 12/9/2011 15:01:20  | 9.33   | 49.42           | 32.08        | 10.35           | 7.90 | 5.4               | 1.94            | 110.8 |
| 113      | 12/9/2011 15:16:20  | 9.27   | 49.22           | 31.93        | 10.52           | 7.91 | 6.2               | 1.79            | 112.5 |
| 114      | 12/9/2011 15:31:20  | 9.28   | 49.20           | 31.91        | 10.57           | 7.92 | 6.6               | 1.66            | 113.0 |
| 115      | 12/9/2011 15:46:20  | 9.19   | 49.07           | 31.81        | 10.62           | 7.92 | 5.9               | 1.55            | 113.3 |
| 116      | 12/9/2011 16:01:19  | 9.14   | 48.99           | 31.75        | 10.69           | 7.93 | 5.2               | 1.43            | 113.8 |
| 117      | 12/9/2011 16:16:20  | 9.11   | 48.90           | 31.69        | 10.82           | 7.93 | 5.1               | 1.31            | 115.1 |
| 118      | 12/9/2011 16:31:20  | 9.10   | 48.86           | 31.65        | 10.86           | 7.94 | 4.8               | 1.23            | 115.5 |
| 119      | 12/9/2011 16:46:20  | 9.08   | 48.78           | 31.60        | 10.93           | 7.95 | 4.9               | 1.17            | 116.1 |
| 120      | 12/9/2011 17:01:20  | 9.02   | 48.66           | 31.50        | 11.03           | 7.96 | 6.3               | 1.14            | 117.0 |
| 121      | 12/9/2011 17:16:20  | 9.06   | 48.79           | 31.60        | 10.80           | 7.95 | 4.6               | 1.12            | 114.7 |
| 122      | 12/9/2011 17:31:20  | 8.93   | 48.51           | 31.39        | 11.21           | 7.98 | 4.6               | 1.19            | 118.5 |
| 123      | 12/9/2011 17:46:20  | 8.91   | 48.53           | 31.40        | 11.21           | 7.98 | 4.4               | 1.24            | 118.5 |
| 124      | 12/9/2011 18:01:20  | 8.86   | 48.49           | 31.37        | 11.21           | 7.98 | 4.2               | 1.29            | 118.3 |
| 125      | 12/9/2011 18:16:20  | 8.85   | 48.50           | 31.38        | 11.21           | 7.98 | 4.5               | 1.36            | 118.3 |
| 126      | 12/9/2011 18:31:20  | 8.84   | 48.41           | 31.32        | 11.02           | 7.96 | 5.1               | 1.43            | 116.3 |
| 127      | 12/9/2011 18:46:20  | 8.84   | 48.39           | 31.30        | 10.88           | 7.95 | 5.1               | 1.49            | 114.8 |
| 128      | 12/9/2011 19:01:19  | 8.89   | 48.48           | 31.37        | 10.93           | 7.95 | 5.1               | 1.58            | 115.4 |
| 129      | 12/9/2011 19:16:20  | 8.84   | 48.33           | 31.25        | 10.78           | 7.93 | 5.2               | 1.65            | 113.6 |
| 130      | 12/9/2011 19:31:19  | 8.84   | 48.33           | 31.25        | 10.69           | 7.93 | 5.2               | 1.72            | 112.7 |
| 131      | 12/9/2011 19:46:20  | 8.87   | 48.41           | 31.32        | 10.63           | 7.92 | 5.2               | 1.80            | 112.2 |
| 132      | 12/9/2011 20:01:20  | 8.88   | 48.50           | 31.38        | 10.57           | 7.92 | 4.9               | 1.89            | 111.6 |
| 133      | 12/9/2011 20:16:19  | 8.93   | 48.64           | 31.48        | 10.53           | 7.91 | 4.7               | 1.98            | 111.4 |
| 134      | 12/9/2011 20:31:20  | 8.97   | 48.79           | 31.59        | 10.44           | 7.90 | 4.7               | 2.07            | 110.7 |
| 135      | 12/9/2011 20:46:20  | 9.02   | 49.00           | 31.75        | 10.17           | 7.88 | 5.1               | 2.18            | 108.0 |
| 136      | 12/9/2011 21:01:19  | 9.05   | 49.12           | 31.84        | 10.02           | 7.87 | 5.5               | 2.27            | 106.6 |
| 137      | 12/9/2011 21:16:20  | 9.07   | 49.19           | 31.89        | 9.95            | 7.86 | 5.4               | 2.37            | 105.9 |
| 138      | 12/9/2011 21:31:20  | 9.07   | 49.29           | 31.97        | 9.87            | 7.86 | 6.0               | 2.46            | 105.1 |
| 139      | 12/9/2011 21:46:20  | 9.07   | 49.37           | 32.02        | 9.81            | 7.85 | 5.8               | 2.56            | 104.5 |
| 140      | 12/9/2011 22:01:20  | 9.07   | 49.45           | 32.08        | 9.75            | 7.85 | 5.6               | 2.64            | 103.9 |
| 141      | 12/9/2011 22:16:19  | 9.07   | 49.55           | 32.15        | 9.69            | 7.85 | 6.2               | 2.72            | 103.3 |
| 142      | 12/9/2011 22:31:20  | 9.07   | 49.62           | 32.20        | 9.63            | 7.84 | 6.7               | 2.79            | 102.7 |
| 143      | 12/9/2011 22:46:20  | 9.07   | 49.78           | 32.31        | 9.55            | 7.84 | 6.8               | 2.87            | 101.9 |
| 144      | 12/9/2011 23:01:20  | 9.07   | 49.85           | 32.37        | 9.50            | 7.83 | 6.2               | 2.93            | 101.4 |
| 145      | 12/9/2011 23:16:20  | 9.07   | 50.02           | 32.49        | 9.48            | 7.83 | 6.3               | 3.00            | 101.3 |
| 146      | 12/9/2011 23:31:20  | 9.07   | 50.17           | 32.60        | 9.49            | 7.83 | 6.6               | 3.05            | 101.5 |
| 147      | 12/9/2011 23:46:20  | 9.07   | 50.28           | 32.67        | 9.45            | 7.83 | 5.2               | 3.09            | 101.1 |
| 148      | 12/10/2011 00:01:20 | 9.07   | 50.37           | 32.74        | 9.44            | 7.83 | 4.8               | 3.14            | 101.0 |
| 149      | 12/10/2011 00:16:20 | 9.07   | 50.44           | 32.79        | 9.39            | 7.83 | 4.5               | 3.18            | 100.5 |
| 150      | 12/10/2011 00:31:19 | 9.07   | 50.38           | 32.75        | 9.37            | 7.83 | 4.2               | 3.18            | 100.3 |
| 151      | 12/10/2011 00:46:20 | 9.07   | 50.43           | 32.78        | 9.39            | 7.83 | 4.4               | 3.16            | 100.5 |
| 152      | 12/10/2011 01:01:19 | 9.07   | 50.43           | 32.79        | 9.41            | 7.83 | 5.1               | 3.14            | 100.7 |
| 153      | 12/10/2011 01:16:20 | 9.07   | 50.39           | 32.76        | 9.43            | 7.83 | 5.0               | 3.10            | 100.9 |
| 154      | 12/10/2011 01:31:20 | 9.05   | 50.16           | 32.59        | 9.42            | 7.83 | 4.7               | 3.03            | 100.7 |
| 155      | 12/10/2011 01:46:19 | 9.03   | 49.89           | 32.39        | 9.45            | 7.83 | 5.8               | 2.98            | 100.8 |
| 156      | 12/10/2011 02:01:20 | 8.99   | 49.90           | 32.39        | 9.40            | 7.82 | 4.8               | 2.92            | 100.2 |
| 157      | 12/10/2011 02:16:19 | 8.99   | 50.00           | 32.47        | 9.44            | 7.82 | 4.9               | 2.84            | 100.7 |
| 158      | 12/10/2011 02:31:19 | 8.97   | 50.04           | 32.50        | 9.44            | 7.82 | 4.3               | 2.78            | 100.6 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 159      | 12/10/2011 02:46:19 | 8.96   | 49.99           | 32.46        | 9.43            | 7.82 | 4.2               | 2.72            | 100.4 |
| 160      | 12/10/2011 03:01:19 | 8.95   | 49.74           | 32.27        | 9.47            | 7.83 | 4.3               | 2.65            | 100.8 |
| 161      | 12/10/2011 03:16:19 | 8.94   | 49.56           | 32.15        | 9.54            | 7.83 | 4.2               | 2.59            | 101.3 |
| 162      | 12/10/2011 03:31:19 | 8.91   | 49.56           | 32.15        | 9.52            | 7.83 | 4.0               | 2.54            | 101.1 |
| 163      | 12/10/2011 03:46:20 | 8.92   | 49.44           | 32.06        | 9.55            | 7.84 | 4.0               | 2.48            | 101.4 |
| 164      | 12/10/2011 04:01:20 | 8.90   | 49.43           | 32.05        | 9.52            | 7.83 | 3.8               | 2.46            | 101.0 |
| 165      | 12/10/2011 04:16:20 | 8.89   | 49.35           | 31.99        | 9.54            | 7.84 | 3.8               | 2.42            | 101.2 |
| 166      | 12/10/2011 04:31:20 | 8.88   | 49.27           | 31.93        | 9.61            | 7.84 | 3.8               | 2.39            | 101.9 |
| 167      | 12/10/2011 04:46:20 | 8.86   | 49.17           | 31.86        | 9.64            | 7.85 | 3.4               | 2.39            | 102.1 |
| 168      | 12/10/2011 05:01:20 | 8.84   | 49.14           | 31.84        | 9.65            | 7.85 | 3.4               | 2.40            | 102.1 |
| 169      | 12/10/2011 05:16:19 | 8.86   | 49.23           | 31.90        | 9.63            | 7.84 | 3.5               | 2.41            | 102.0 |
| 170      | 12/10/2011 05:31:20 | 8.86   | 49.26           | 31.92        | 9.64            | 7.84 | 3.7               | 2.43            | 102.1 |
| 171      | 12/10/2011 05:46:20 | 8.90   | 49.30           | 31.96        | 9.61            | 7.84 | 3.9               | 2.47            | 102.0 |
| 172      | 12/10/2011 06:01:20 | 8.92   | 49.36           | 32.00        | 9.63            | 7.84 | 4.0               | 2.52            | 102.2 |
| 173      | 12/10/2011 06:16:19 | 8.87   | 49.27           | 31.93        | 9.62            | 7.84 | 4.7               | 2.57            | 102.0 |
| 174      | 12/10/2011 06:31:20 | 8.86   | 49.27           | 31.93        | 9.62            | 7.84 | 4.6               | 2.63            | 101.9 |
| 175      | 12/10/2011 06:46:19 | 8.93   | 49.46           | 32.07        | 9.56            | 7.84 | 4.5               | 2.69            | 101.5 |
| 176      | 12/10/2011 07:01:20 | 8.95   | 49.57           | 32.15        | 9.54            | 7.83 | 4.4               | 2.77            | 101.4 |
| 177      | 12/10/2011 07:16:20 | 8.97   | 49.75           | 32.29        | 9.47            | 7.83 | 4.5               | 2.82            | 100.8 |
| 178      | 12/10/2011 07:31:19 | 8.99   | 49.91           | 32.40        | 9.47            | 7.83 | 4.6               | 2.90            | 100.9 |
| 179      | 12/10/2011 07:46:20 | 9.00   | 50.03           | 32.49        | 9.49            | 7.83 | 4.6               | 2.98            | 101.2 |
| 180      | 12/10/2011 08:01:20 | 9.01   | 50.16           | 32.58        | 9.48            | 7.83 | 4.2               | 3.05            | 101.2 |
| 181      | 12/10/2011 08:16:19 | 9.02   | 50.19           | 32.61        | 9.49            | 7.83 | 4.4               | 3.13            | 101.3 |
| 182      | 12/10/2011 08:31:19 | 9.02   | 50.27           | 32.66        | 9.51            | 7.83 | 4.5               | 3.20            | 101.6 |
| 183      | 12/10/2011 08:46:20 | 9.03   | 50.45           | 32.80        | 9.51            | 7.83 | 5.1               | 3.27            | 101.7 |
| 184      | 12/10/2011 09:01:19 | 9.05   | 50.56           | 32.88        | 9.51            | 7.83 | 5.1               | 3.34            | 101.8 |
| 185      | 12/10/2011 09:16:20 | 9.07   | 50.67           | 32.95        | 9.52            | 7.83 | 5.1               | 3.43            | 102.0 |
| 186      | 12/10/2011 09:31:20 | 9.08   | 50.74           | 33.01        | 9.52            | 7.83 | 5.2               | 3.51            | 102.0 |
| 187      | 12/10/2011 09:46:20 | 9.09   | 50.85           | 33.09        | 9.52            | 7.83 | 5.7               | 3.58            | 102.2 |
| 188      | 12/10/2011 10:01:20 | 9.10   | 50.90           | 33.13        | 9.51            | 7.83 | 5.4               | 3.64            | 102.1 |
| 189      | 12/10/2011 10:16:19 | 9.11   | 50.94           | 33.16        | 9.47            | 7.83 | 4.4               | 3.71            | 101.7 |
| 190      | 12/10/2011 10:31:20 | 9.13   | 50.97           | 33.18        | 9.49            | 7.83 | 3.8               | 3.73            | 101.9 |
| 191      | 12/10/2011 10:46:20 | 9.14   | 51.00           | 33.20        | 9.40            | 7.83 | 2.8               | 3.77            | 101.0 |
| 192      | 12/10/2011 11:01:20 | 9.09   | 50.76           | 33.02        | 9.45            | 7.83 | 3.2               | 3.79            | 101.3 |
| 193      | 12/10/2011 11:16:20 | 9.12   | 50.91           | 33.14        | 9.40            | 7.82 | 3.2               | 3.77            | 101.0 |
| 194      | 12/10/2011 11:31:20 | 9.14   | 50.99           | 33.19        | 9.44            | 7.83 | 3.5               | 3.73            | 101.5 |
| 195      | 12/10/2011 11:46:19 | 9.12   | 50.94           | 33.16        | 9.43            | 7.83 | 4.3               | 3.68            | 101.3 |
| 196      | 12/10/2011 12:01:20 | 9.01   | 50.33           | 32.70        | 9.73            | 7.84 | 3.4               | 3.61            | 104.0 |
| 197      | 12/10/2011 12:16:19 | 9.07   | 50.38           | 32.75        | 9.73            | 7.84 | 3.5               | 3.52            | 104.1 |
| 198      | 12/10/2011 12:31:20 | 9.08   | 50.51           | 32.84        | 9.72            | 7.84 | 3.8               | 3.43            | 104.1 |
| 199      | 12/10/2011 12:46:20 | 9.08   | 50.35           | 32.73        | 9.73            | 7.84 | 3.6               | 3.33            | 104.1 |
| 200      | 12/10/2011 13:01:19 | 9.06   | 50.25           | 32.65        | 9.72            | 7.84 | 4.1               | 3.22            | 104.0 |
| 201      | 12/10/2011 13:16:20 | 9.07   | 50.26           | 32.66        | 9.72            | 7.84 | 4.2               | 3.10            | 104.0 |
| 202      | 12/10/2011 13:31:20 | 9.08   | 50.19           | 32.61        | 9.77            | 7.85 | 4.2               | 2.99            | 104.5 |
| 203      | 12/10/2011 13:46:20 | 9.10   | 50.13           | 32.57        | 9.79            | 7.85 | 4.6               | 2.88            | 104.7 |
| 204      | 12/10/2011 14:01:19 | 9.12   | 50.06           | 32.52        | 9.88            | 7.86 | 4.3               | 2.78            | 105.7 |
| 205      | 12/10/2011 14:16:20 | 9.10   | 50.05           | 32.51        | 9.89            | 7.86 | 5.2               | 2.64            | 105.7 |
| 206      | 12/10/2011 14:31:20 | 9.11   | 49.99           | 32.47        | 9.97            | 7.86 | 4.7               | 2.51            | 106.6 |
| 207      | 12/10/2011 14:46:20 | 9.08   | 49.81           | 32.34        | 10.00           | 7.87 | 5.4               | 2.37            | 106.8 |
| 208      | 12/10/2011 15:01:20 | 9.08   | 49.79           | 32.33        | 10.05           | 7.87 | 5.2               | 2.22            | 107.2 |
| 209      | 12/10/2011 15:16:20 | 9.09   | 49.74           | 32.29        | 10.09           | 7.88 | 5.2               | 2.13            | 107.7 |
| 210      | 12/10/2011 15:31:19 | 9.06   | 49.53           | 32.13        | 10.21           | 7.88 | 5.4               | 1.96            | 108.8 |
| 211      | 12/10/2011 15:46:20 | 9.06   | 49.45           | 32.08        | 10.30           | 7.89 | 5.6               | 1.80            | 109.7 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 212      | 12/10/2011 16:01:20 | 9.03   | 49.32           | 31.98        | 10.30           | 7.89 | 5.9               | 1.65            | 109.6 |
| 213      | 12/10/2011 16:16:20 | 9.01   | 49.24           | 31.92        | 10.26           | 7.89 | 6.2               | 1.53            | 109.1 |
| 214      | 12/10/2011 16:31:20 | 8.99   | 49.11           | 31.82        | 10.35           | 7.90 | 5.5               | 1.40            | 109.9 |
| 215      | 12/10/2011 16:46:20 | 8.98   | 49.03           | 31.77        | 10.41           | 7.90 | 5.2               | 1.28            | 110.4 |
| 216      | 12/10/2011 17:01:20 | 8.98   | 48.97           | 31.73        | 10.44           | 7.91 | 5.1               | 1.19            | 110.8 |
| 217      | 12/10/2011 17:16:19 | 8.94   | 48.89           | 31.67        | 10.48           | 7.91 | 4.7               | 1.07            | 111.0 |
| 218      | 12/10/2011 17:31:19 | 8.90   | 48.83           | 31.62        | 10.48           | 7.91 | 5.0               | 1.08            | 110.9 |
| 219      | 12/10/2011 17:46:20 | 8.90   | 48.91           | 31.68        | 10.43           | 7.91 | 4.6               | 1.05            | 110.4 |
| 220      | 12/10/2011 18:01:20 | 8.85   | 48.75           | 31.56        | 10.53           | 7.92 | 4.2               | 1.05            | 111.3 |
| 221      | 12/10/2011 18:16:20 | 8.82   | 48.70           | 31.52        | 10.60           | 7.93 | 4.3               | 1.13            | 111.9 |
| 222      | 12/10/2011 18:31:20 | 8.83   | 48.74           | 31.55        | 10.57           | 7.92 | 4.0               | 1.18            | 111.7 |
| 223      | 12/10/2011 18:46:20 | 8.81   | 48.73           | 31.54        | 10.57           | 7.92 | 4.2               | 1.25            | 111.6 |
| 224      | 12/10/2011 19:01:20 | 8.81   | 48.76           | 31.56        | 10.53           | 7.92 | 4.2               | 1.32            | 111.2 |
| 225      | 12/10/2011 19:16:20 | 8.72   | 48.50           | 31.37        | 10.41           | 7.90 | 4.8               | 1.41            | 109.5 |
| 226      | 12/10/2011 19:31:20 | 8.79   | 48.62           | 31.46        | 10.40           | 7.90 | 4.5               | 1.48            | 109.7 |
| 227      | 12/10/2011 19:46:20 | 8.78   | 48.57           | 31.42        | 10.36           | 7.90 | 4.6               | 1.54            | 109.2 |
| 228      | 12/10/2011 20:01:20 | 8.72   | 48.41           | 31.31        | 10.29           | 7.89 | 4.7               | 1.62            | 108.2 |
| 229      | 12/10/2011 20:16:20 | 8.76   | 48.51           | 31.38        | 10.25           | 7.89 | 4.8               | 1.71            | 108.0 |
| 230      | 12/10/2011 20:31:19 | 8.79   | 48.62           | 31.46        | 10.23           | 7.89 | 4.8               | 1.79            | 107.8 |
| 231      | 12/10/2011 20:46:19 | 8.80   | 48.65           | 31.48        | 10.23           | 7.88 | 4.6               | 1.89            | 107.9 |
| 232      | 12/10/2011 21:01:20 | 8.81   | 48.79           | 31.58        | 10.17           | 7.88 | 4.8               | 1.98            | 107.3 |
| 233      | 12/10/2011 21:16:20 | 8.90   | 49.04           | 31.77        | 10.03           | 7.87 | 4.9               | 2.08            | 106.2 |
| 234      | 12/10/2011 21:31:20 | 8.95   | 49.25           | 31.92        | 9.91            | 7.86 | 5.3               | 2.18            | 105.1 |
| 235      | 12/10/2011 21:46:20 | 8.97   | 49.33           | 31.98        | 9.87            | 7.85 | 5.4               | 2.29            | 104.8 |
| 236      | 12/10/2011 22:01:20 | 8.98   | 49.41           | 32.04        | 9.84            | 7.85 | 5.6               | 2.39            | 104.6 |
| 237      | 12/10/2011 22:16:20 | 8.98   | 49.47           | 32.09        | 9.81            | 7.85 | 5.7               | 2.48            | 104.3 |
| 238      | 12/10/2011 22:31:19 | 8.98   | 49.55           | 32.14        | 9.79            | 7.85 | 5.9               | 2.58            | 104.2 |
| 239      | 12/10/2011 22:46:19 | 8.99   | 49.64           | 32.21        | 9.76            | 7.84 | 6.5               | 2.65            | 103.9 |
| 240      | 12/10/2011 23:01:20 | 8.99   | 49.71           | 32.26        | 9.73            | 7.84 | 6.3               | 2.73            | 103.6 |
| 241      | 12/10/2011 23:16:20 | 8.99   | 49.84           | 32.36        | 9.69            | 7.84 | 7.5               | 2.81            | 103.3 |
| 242      | 12/10/2011 23:31:19 | 9.00   | 49.96           | 32.44        | 9.68            | 7.84 | 7.3               | 2.88            | 103.3 |
| 243      | 12/10/2011 23:46:20 | 9.03   | 50.15           | 32.58        | 9.73            | 7.84 | 6.5               | 2.94            | 103.9 |
| 244      | 12/11/2011 00:01:20 | 9.05   | 50.34           | 32.72        | 9.75            | 7.84 | 6.5               | 3.01            | 104.2 |
| 245      | 12/11/2011 00:16:20 | 9.06   | 50.44           | 32.79        | 9.74            | 7.84 | 6.0               | 3.06            | 104.2 |
| 246      | 12/11/2011 00:31:20 | 9.06   | 50.49           | 32.83        | 9.73            | 7.84 | 5.2               | 3.11            | 104.2 |
| 247      | 12/11/2011 00:46:20 | 9.07   | 50.51           | 32.84        | 9.72            | 7.84 | 4.7               | 3.13            | 104.0 |
| 248      | 12/11/2011 01:01:20 | 9.07   | 50.53           | 32.85        | 9.64            | 7.84 | 3.5               | 3.15            | 103.2 |
| 249      | 12/11/2011 01:16:20 | 9.04   | 50.34           | 32.71        | 9.61            | 7.84 | 3.7               | 3.17            | 102.8 |
| 250      | 12/11/2011 01:31:20 | 9.06   | 50.46           | 32.80        | 9.66            | 7.83 | 3.9               | 3.13            | 103.3 |
| 251      | 12/11/2011 01:46:20 | 9.07   | 50.51           | 32.84        | 9.70            | 7.84 | 4.0               | 3.10            | 103.9 |
| 252      | 12/11/2011 02:01:20 | 8.92   | 50.00           | 32.46        | 9.63            | 7.83 | 4.3               | 3.07            | 102.5 |
| 253      | 12/11/2011 02:16:20 | 8.93   | 49.91           | 32.40        | 9.61            | 7.83 | 4.8               | 2.99            | 102.3 |
| 254      | 12/11/2011 02:31:20 | 9.00   | 50.13           | 32.56        | 9.65            | 7.83 | 5.1               | 2.92            | 103.0 |
| 255      | 12/11/2011 02:46:20 | 8.91   | 50.04           | 32.49        | 9.58            | 7.83 | 4.6               | 2.86            | 102.0 |
| 256      | 12/11/2011 03:01:20 | 8.92   | 50.11           | 32.54        | 9.60            | 7.83 | 4.2               | 2.77            | 102.3 |
| 257      | 12/11/2011 03:16:20 | 8.89   | 49.97           | 32.44        | 9.61            | 7.83 | 4.2               | 2.72            | 102.2 |
| 258      | 12/11/2011 03:31:20 | 8.89   | 49.73           | 32.27        | 9.61            | 7.83 | 4.6               | 2.67            | 102.1 |
| 259      | 12/11/2011 03:46:19 | 8.86   | 49.61           | 32.18        | 9.63            | 7.83 | 4.4               | 2.59            | 102.2 |
| 260      | 12/11/2011 04:01:20 | 8.86   | 49.57           | 32.15        | 9.61            | 7.83 | 4.2               | 2.55            | 102.0 |
| 261      | 12/11/2011 04:16:20 | 8.88   | 49.57           | 32.15        | 9.59            | 7.84 | 3.9               | 2.50            | 101.8 |
| 262      | 12/11/2011 04:31:20 | 8.85   | 49.53           | 32.12        | 9.56            | 7.83 | 3.8               | 2.46            | 101.4 |
| 263      | 12/11/2011 04:46:20 | 8.84   | 49.51           | 32.11        | 9.57            | 7.83 | 3.9               | 2.42            | 101.5 |
| 264      | 12/11/2011 05:01:20 | 8.80   | 49.51           | 32.10        | 9.47            | 7.83 | 3.5               | 2.40            | 100.3 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 265      | 12/11/2011 05:16:19 | 8.79   | 49.45           | 32.06        | 9.56            | 7.83 | 3.7               | 2.35            | 101.2 |
| 266      | 12/11/2011 05:31:19 | 8.78   | 49.41           | 32.03        | 9.60            | 7.84 | 3.4               | 2.36            | 101.6 |
| 267      | 12/11/2011 05:46:20 | 8.75   | 49.38           | 32.00        | 9.56            | 7.83 | 3.3               | 2.37            | 101.1 |
| 268      | 12/11/2011 06:01:20 | 8.77   | 49.44           | 32.05        | 9.56            | 7.83 | 3.5               | 2.38            | 101.2 |
| 269      | 12/11/2011 06:16:20 | 8.77   | 49.47           | 32.07        | 9.59            | 7.83 | 3.5               | 2.41            | 101.5 |
| 270      | 12/11/2011 06:31:19 | 8.80   | 49.49           | 32.08        | 9.61            | 7.84 | 3.7               | 2.43            | 101.8 |
| 271      | 12/11/2011 06:46:20 | 8.82   | 49.55           | 32.13        | 9.64            | 7.83 | 4.1               | 2.49            | 102.1 |
| 272      | 12/11/2011 07:01:20 | 8.75   | 49.47           | 32.07        | 9.61            | 7.83 | 5.6               | 2.56            | 101.7 |
| 273      | 12/11/2011 07:16:20 | 8.73   | 49.47           | 32.06        | 9.59            | 7.83 | 4.7               | 2.62            | 101.4 |
| 274      | 12/11/2011 07:31:20 | 8.83   | 49.66           | 32.21        | 9.59            | 7.83 | 4.7               | 2.69            | 101.7 |
| 275      | 12/11/2011 07:46:20 | 8.85   | 49.80           | 32.31        | 9.58            | 7.83 | 4.7               | 2.77            | 101.8 |
| 276      | 12/11/2011 08:01:19 | 8.90   | 49.96           | 32.43        | 9.60            | 7.83 | 4.9               | 2.82            | 102.1 |
| 277      | 12/11/2011 08:16:20 | 8.93   | 50.11           | 32.54        | 9.66            | 7.83 | 4.5               | 2.91            | 102.9 |
| 278      | 12/11/2011 08:31:20 | 8.97   | 50.24           | 32.64        | 9.69            | 7.83 | 4.3               | 2.97            | 103.3 |
| 279      | 12/11/2011 08:46:20 | 8.99   | 50.30           | 32.68        | 9.70            | 7.83 | 4.2               | 3.07            | 103.6 |
| 280      | 12/11/2011 09:01:20 | 9.00   | 50.34           | 32.71        | 9.71            | 7.83 | 4.4               | 3.13            | 103.7 |
| 281      | 12/11/2011 09:16:20 | 9.04   | 50.50           | 32.83        | 9.73            | 7.83 | 4.9               | 3.23            | 104.1 |
| 282      | 12/11/2011 09:31:20 | 9.08   | 50.63           | 32.93        | 9.73            | 7.83 | 4.8               | 3.29            | 104.2 |
| 283      | 12/11/2011 09:46:19 | 9.09   | 50.71           | 32.99        | 9.71            | 7.83 | 4.8               | 3.38            | 104.1 |
| 284      | 12/11/2011 10:01:20 | 9.11   | 50.80           | 33.05        | 9.72            | 7.83 | 4.9               | 3.46            | 104.3 |
| 285      | 12/11/2011 10:16:20 | 9.13   | 50.89           | 33.12        | 9.69            | 7.83 | 5.2               | 3.53            | 104.0 |
| 286      | 12/11/2011 10:31:20 | 9.14   | 50.94           | 33.16        | 9.67            | 7.83 | 4.9               | 3.60            | 103.9 |
| 287      | 12/11/2011 10:46:20 | 9.15   | 50.96           | 33.18        | 9.65            | 7.83 | 4.3               | 3.65            | 103.7 |
| 288      | 12/11/2011 11:01:20 | 9.16   | 50.99           | 33.19        | 9.63            | 7.83 | 3.7               | 3.69            | 103.6 |
| 289      | 12/11/2011 11:16:20 | 9.17   | 51.00           | 33.21        | 9.60            | 7.83 | 3.1               | 3.72            | 103.2 |
| 290      | 12/11/2011 11:31:20 | 9.18   | 51.02           | 33.22        | 9.58            | 7.83 | 2.9               | 3.74            | 103.1 |
| 291      | 12/11/2011 11:46:20 | 9.16   | 50.89           | 33.12        | 9.63            | 7.83 | 3.4               | 3.73            | 103.5 |
| 292      | 12/11/2011 12:01:20 | 9.16   | 50.94           | 33.16        | 9.59            | 7.83 | 3.3               | 3.73            | 103.1 |
| 293      | 12/11/2011 12:16:20 | 9.16   | 50.97           | 33.18        | 9.59            | 7.83 | 3.1               | 3.69            | 103.2 |
| 294      | 12/11/2011 12:31:20 | 9.18   | 50.99           | 33.19        | 9.63            | 7.83 | 3.4               | 3.63            | 103.6 |
| 295      | 12/11/2011 12:46:20 | 9.20   | 50.78           | 33.05        | 9.80            | 7.84 | 4.1               | 3.56            | 105.4 |
| 296      | 12/11/2011 13:01:20 | 9.28   | 50.70           | 32.99        | 9.95            | 7.85 | 4.1               | 3.47            | 107.1 |
| 297      | 12/11/2011 13:16:20 | 9.28   | 50.85           | 33.10        | 9.88            | 7.85 | 3.7               | 3.38            | 106.4 |
| 298      | 12/11/2011 13:31:20 | 9.17   | 50.50           | 32.84        | 9.97            | 7.85 | 4.1               | 3.28            | 107.0 |
| 299      | 12/11/2011 13:46:20 | 9.14   | 50.46           | 32.81        | 9.90            | 7.85 | 5.0               | 3.15            | 106.1 |
| 300      | 12/11/2011 14:01:20 | 9.13   | 50.41           | 32.77        | 9.92            | 7.85 | 4.9               | 3.04            | 106.3 |
| 301      | 12/11/2011 14:16:20 | 9.13   | 50.38           | 32.75        | 9.91            | 7.85 | 5.4               | 2.94            | 106.2 |
| 302      | 12/11/2011 14:31:20 | 9.12   | 50.26           | 32.67        | 10.04           | 7.86 | 4.3               | 2.81            | 107.5 |
| 303      | 12/11/2011 14:46:20 | 9.13   | 50.26           | 32.67        | 10.02           | 7.86 | 4.5               | 2.67            | 107.3 |
| 304      | 12/11/2011 15:01:20 | 9.13   | 50.29           | 32.69        | 10.05           | 7.86 | 4.6               | 2.55            | 107.6 |
| 305      | 12/11/2011 15:16:20 | 9.10   | 50.17           | 32.60        | 10.08           | 7.86 | 5.1               | 2.42            | 107.8 |
| 306      | 12/11/2011 15:31:20 | 9.09   | 50.15           | 32.58        | 10.08           | 7.87 | 6.1               | 2.27            | 107.8 |
| 307      | 12/11/2011 15:46:20 | 9.03   | 49.83           | 32.35        | 10.10           | 7.87 | 6.8               | 2.14            | 107.8 |
| 308      | 12/11/2011 16:01:19 | 9.00   | 49.80           | 32.33        | 10.12           | 7.87 | 7.8               | 2.02            | 107.8 |
| 309      | 12/11/2011 16:16:19 | 8.97   | 49.68           | 32.23        | 10.14           | 7.87 | 7.9               | 1.86            | 107.9 |
| 310      | 12/11/2011 16:31:20 | 8.93   | 49.59           | 32.17        | 10.24           | 7.89 | 8.5               | 1.71            | 108.8 |
| 311      | 12/11/2011 16:46:20 | 8.91   | 49.63           | 32.19        | 10.15           | 7.89 | 8.2               | 1.58            | 107.9 |
| 312      | 12/11/2011 17:01:20 | 8.89   | 49.41           | 32.03        | 10.18           | 7.88 | 8.3               | 1.44            | 108.0 |
| 313      | 12/11/2011 17:16:20 | 8.90   | 49.38           | 32.01        | 10.15           | 7.87 | 7.1               | 1.31            | 107.6 |
| 314      | 12/11/2011 17:31:20 | 8.88   | 49.28           | 31.94        | 10.18           | 7.88 | 6.9               | 1.19            | 107.9 |
| 315      | 12/11/2011 17:46:20 | 8.87   | 49.22           | 31.90        | 10.18           | 7.88 | 6.3               | 1.12            | 107.9 |
| 316      | 12/11/2011 18:01:19 | 8.83   | 49.15           | 31.84        | 10.16           | 7.88 | 6.4               | 1.05            | 107.6 |
| 317      | 12/11/2011 18:16:20 | 8.83   | 49.11           | 31.82        | 10.18           | 7.88 | 5.7               | 1.00            | 107.7 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 318      | 12/11/2011 18:31:20 | 8.77   | 49.14           | 31.83        | 10.07           | 7.88 | 5.6               | 1.02            | 106.5 |
| 319      | 12/11/2011 18:46:20 | 8.68   | 48.83           | 31.60        | 10.18           | 7.89 | 7.1               | 1.06            | 107.2 |
| 320      | 12/11/2011 19:01:20 | 8.65   | 48.84           | 31.61        | 10.22           | 7.89 | 6.8               | 1.09            | 107.5 |
| 321      | 12/11/2011 19:16:20 | 8.65   | 48.84           | 31.61        | 10.19           | 7.89 | 6.7               | 1.17            | 107.2 |
| 322      | 12/11/2011 19:31:20 | 8.64   | 48.87           | 31.63        | 10.21           | 7.89 | 6.7               | 1.25            | 107.5 |
| 323      | 12/11/2011 19:46:20 | 8.62   | 48.84           | 31.60        | 10.20           | 7.88 | 6.7               | 1.31            | 107.3 |
| 324      | 12/11/2011 20:01:20 | 8.61   | 48.69           | 31.50        | 10.11           | 7.87 | 6.6               | 1.40            | 106.2 |
| 325      | 12/11/2011 20:16:20 | 8.60   | 48.65           | 31.47        | 10.08           | 7.87 | 6.5               | 1.49            | 105.8 |
| 326      | 12/11/2011 20:31:20 | 8.59   | 48.57           | 31.41        | 10.04           | 7.86 | 6.5               | 1.55            | 105.4 |
| 327      | 12/11/2011 20:46:20 | 8.62   | 48.66           | 31.47        | 10.06           | 7.86 | 6.5               | 1.65            | 105.7 |
| 328      | 12/11/2011 21:01:20 | 8.72   | 48.90           | 31.66        | 10.09           | 7.87 | 6.2               | 1.74            | 106.4 |
| 329      | 12/11/2011 21:16:20 | 8.77   | 49.03           | 31.75        | 10.09           | 7.87 | 5.7               | 1.81            | 106.5 |
| 330      | 12/11/2011 21:31:20 | 8.82   | 49.19           | 31.87        | 10.07           | 7.86 | 5.9               | 1.93            | 106.5 |
| 331      | 12/11/2011 21:46:20 | 8.86   | 49.34           | 31.98        | 9.98            | 7.86 | 5.7               | 2.02            | 105.8 |
| 332      | 12/11/2011 22:01:19 | 8.88   | 49.42           | 32.04        | 9.95            | 7.85 | 5.5               | 2.13            | 105.6 |
| 333      | 12/11/2011 22:16:20 | 8.89   | 49.48           | 32.08        | 9.94            | 7.85 | 5.6               | 2.22            | 105.5 |
| 334      | 12/11/2011 22:31:20 | 8.89   | 49.57           | 32.15        | 9.93            | 7.85 | 5.9               | 2.32            | 105.4 |
| 335      | 12/11/2011 22:46:20 | 8.88   | 49.62           | 32.19        | 9.92            | 7.85 | 6.0               | 2.41            | 105.4 |
| 336      | 12/11/2011 23:01:20 | 8.89   | 49.69           | 32.24        | 9.94            | 7.85 | 6.6               | 2.50            | 105.6 |
| 337      | 12/11/2011 23:16:20 | 8.91   | 49.76           | 32.29        | 9.90            | 7.85 | 5.9               | 2.59            | 105.3 |
| 338      | 12/11/2011 23:31:20 | 8.94   | 49.83           | 32.34        | 9.88            | 7.85 | 6.2               | 2.68            | 105.2 |
| 339      | 12/11/2011 23:46:20 | 8.94   | 49.95           | 32.43        | 9.87            | 7.84 | 8.0               | 2.75            | 105.1 |
| 340      | 12/12/2011 00:01:20 | 8.97   | 50.06           | 32.51        | 9.87            | 7.84 | 7.2               | 2.82            | 105.2 |
| 341      | 12/12/2011 00:16:20 | 8.98   | 50.25           | 32.65        | 9.90            | 7.84 | 7.2               | 2.90            | 105.6 |
| 342      | 12/12/2011 00:31:20 | 9.00   | 50.40           | 32.75        | 9.91            | 7.84 | 6.8               | 2.96            | 105.9 |
| 343      | 12/12/2011 00:46:20 | 9.01   | 50.50           | 32.83        | 9.92            | 7.85 | 5.8               | 3.02            | 106.0 |
| 344      | 12/12/2011 01:01:19 | 9.01   | 50.54           | 32.86        | 9.92            | 7.85 | 5.3               | 3.07            | 106.1 |
| 345      | 12/12/2011 01:16:20 | 8.97   | 50.52           | 32.84        | 9.90            | 7.84 | 5.1               | 3.10            | 105.8 |
| 346      | 12/12/2011 01:31:20 | 9.00   | 50.57           | 32.88        | 9.84            | 7.84 | 4.5               | 3.13            | 105.3 |
| 347      | 12/12/2011 01:46:19 | 8.95   | 50.46           | 32.79        | 9.83            | 7.84 | 4.4               | 3.13            | 105.0 |
| 348      | 12/12/2011 02:01:20 | 8.98   | 50.52           | 32.84        | 9.81            | 7.84 | 4.1               | 3.11            | 104.9 |
| 349      | 12/12/2011 02:16:20 | 8.98   | 50.54           | 32.86        | 9.85            | 7.84 | 4.5               | 3.10            | 105.2 |
| 350      | 12/12/2011 02:31:20 | 8.91   | 50.46           | 32.79        | 9.85            | 7.84 | 4.6               | 3.05            | 105.1 |
| 351      | 12/12/2011 02:46:19 | 8.37   | 49.76           | 32.24        | 9.71            | 7.84 | 5.0               | 2.99            | 101.9 |
| 352      | 12/12/2011 03:01:20 | 8.82   | 50.20           | 32.60        | 9.81            | 7.84 | 4.6               | 2.91            | 104.3 |
| 353      | 12/12/2011 03:16:20 | 8.58   | 50.07           | 32.49        | 9.74            | 7.84 | 4.7               | 2.84            | 103.0 |
| 354      | 12/12/2011 03:31:20 | 8.65   | 50.20           | 32.59        | 9.76            | 7.84 | 4.3               | 2.78            | 103.4 |
| 355      | 12/12/2011 03:46:20 | 8.62   | 50.21           | 32.59        | 9.76            | 7.84 | 4.2               | 2.71            | 103.3 |
| 356      | 12/12/2011 04:01:20 | 8.56   | 50.17           | 32.56        | 9.74            | 7.84 | 3.9               | 2.63            | 102.9 |
| 357      | 12/12/2011 04:16:20 | 8.50   | 49.75           | 32.25        | 9.72            | 7.84 | 4.3               | 2.58            | 102.3 |
| 358      | 12/12/2011 04:31:20 | 8.52   | 49.78           | 32.27        | 9.70            | 7.84 | 4.1               | 2.54            | 102.2 |
| 359      | 12/12/2011 04:46:20 | 8.35   | 49.77           | 32.25        | 9.72            | 7.84 | 4.2               | 2.46            | 102.0 |
| 360      | 12/12/2011 05:01:20 | 8.46   | 49.70           | 32.21        | 9.69            | 7.84 | 3.8               | 2.42            | 101.9 |
| 361      | 12/12/2011 05:16:20 | 8.25   | 49.71           | 32.20        | 9.63            | 7.83 | 4.0               | 2.38            | 100.9 |
| 362      | 12/12/2011 05:31:20 | 8.25   | 49.65           | 32.15        | 9.63            | 7.83 | 4.0               | 2.34            | 100.8 |
| 363      | 12/12/2011 05:46:20 | 8.25   | 49.62           | 32.14        | 9.61            | 7.83 | 3.7               | 2.33            | 100.6 |
| 364      | 12/12/2011 06:01:20 | 8.25   | 49.59           | 32.11        | 9.65            | 7.84 | 3.6               | 2.29            | 101.0 |
| 365      | 12/12/2011 06:16:20 | 8.21   | 49.55           | 32.08        | 9.63            | 7.84 | 3.5               | 2.30            | 100.7 |
| 366      | 12/12/2011 06:31:20 | 8.13   | 49.53           | 32.06        | 9.66            | 7.84 | 3.6               | 2.30            | 100.8 |
| 367      | 12/12/2011 06:46:20 | 8.13   | 49.54           | 32.07        | 9.69            | 7.84 | 3.7               | 2.32            | 101.1 |
| 368      | 12/12/2011 07:01:20 | 8.24   | 49.62           | 32.13        | 9.71            | 7.84 | 3.6               | 2.33            | 101.6 |
| 369      | 12/12/2011 07:16:20 | 8.37   | 49.67           | 32.18        | 9.75            | 7.84 | 3.6               | 2.38            | 102.4 |
| 370      | 12/12/2011 07:31:20 | 8.40   | 49.72           | 32.21        | 9.76            | 7.84 | 4.2               | 2.44            | 102.5 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 371      | 12/12/2011 07:46:20 | 8.29   | 49.67           | 32.17        | 9.76            | 7.83 | 5.4               | 2.49            | 102.2 |
| 372      | 12/12/2011 08:01:20 | 8.24   | 49.65           | 32.15        | 9.77            | 7.83 | 4.9               | 2.55            | 102.2 |
| 373      | 12/12/2011 08:16:20 | 8.41   | 49.83           | 32.30        | 9.77            | 7.84 | 4.6               | 2.63            | 102.7 |
| 374      | 12/12/2011 08:31:20 | 8.49   | 49.93           | 32.38        | 9.76            | 7.84 | 4.5               | 2.71            | 102.9 |
| 375      | 12/12/2011 08:46:19 | 8.60   | 50.10           | 32.51        | 9.78            | 7.84 | 4.6               | 2.78            | 103.4 |
| 376      | 12/12/2011 09:01:19 | 8.67   | 50.24           | 32.61        | 9.83            | 7.84 | 4.5               | 2.85            | 104.2 |
| 377      | 12/12/2011 09:16:20 | 8.76   | 50.35           | 32.70        | 9.86            | 7.84 | 4.2               | 2.93            | 104.8 |
| 378      | 12/12/2011 09:31:20 | 8.79   | 50.38           | 32.73        | 9.87            | 7.84 | 4.5               | 3.02            | 105.0 |
| 379      | 12/12/2011 09:46:20 | 8.81   | 50.43           | 32.77        | 9.88            | 7.84 | 4.8               | 3.10            | 105.2 |
| 380      | 12/12/2011 10:01:19 | 8.86   | 50.57           | 32.87        | 9.90            | 7.84 | 5.0               | 3.19            | 105.6 |
| 381      | 12/12/2011 10:16:20 | 8.91   | 50.69           | 32.96        | 9.93            | 7.84 | 4.9               | 3.26            | 106.0 |
| 382      | 12/12/2011 10:31:20 | 8.92   | 50.78           | 33.02        | 9.92            | 7.84 | 5.2               | 3.36            | 106.0 |
| 383      | 12/12/2011 10:46:20 | 8.94   | 50.87           | 33.09        | 9.93            | 7.84 | 5.9               | 3.41            | 106.2 |
| 384      | 12/12/2011 11:01:20 | 8.94   | 50.94           | 33.14        | 9.94            | 7.84 | 4.8               | 3.48            | 106.3 |
| 385      | 12/12/2011 11:16:20 | 8.95   | 50.99           | 33.18        | 9.93            | 7.84 | 4.5               | 3.54            | 106.3 |
| 386      | 12/12/2011 11:31:20 | 8.95   | 51.03           | 33.21        | 9.93            | 7.85 | 3.8               | 3.60            | 106.3 |
| 387      | 12/12/2011 11:46:20 | 8.96   | 51.04           | 33.22        | 9.90            | 7.85 | 3.4               | 3.63            | 105.9 |
| 388      | 12/12/2011 12:01:20 | 8.96   | 51.04           | 33.22        | 9.89            | 7.85 | 2.8               | 3.65            | 105.9 |
| 389      | 12/12/2011 12:16:20 | 8.88   | 50.85           | 33.07        | 9.91            | 7.85 | 2.9               | 3.67            | 105.8 |
| 390      | 12/12/2011 12:31:19 | 8.96   | 51.00           | 33.19        | 9.82            | 7.84 | 2.8               | 3.66            | 105.2 |
| 391      | 12/12/2011 12:46:19 | 8.96   | 51.03           | 33.21        | 9.88            | 7.84 | 3.4               | 3.62            | 105.7 |
| 392      | 12/12/2011 13:01:20 | 8.96   | 51.00           | 33.19        | 9.90            | 7.84 | 4.1               | 3.57            | 106.0 |
| 393      | 12/12/2011 13:16:20 | 8.99   | 50.97           | 33.17        | 9.94            | 7.85 | 3.8               | 3.53            | 106.5 |
| 394      | 12/12/2011 13:31:20 | 9.13   | 50.62           | 32.93        | 10.29           | 7.87 | 4.0               | 3.44            | 110.4 |
| 395      | 12/12/2011 13:46:20 | 9.23   | 50.88           | 33.12        | 10.18           | 7.86 | 3.6               | 3.34            | 109.6 |
| 396      | 12/12/2011 14:01:20 | 9.21   | 50.76           | 33.03        | 10.23           | 7.86 | 3.5               | 3.25            | 110.0 |
| 397      | 12/12/2011 14:16:20 | 8.98   | 50.51           | 32.84        | 10.20           | 7.86 | 5.1               | 3.16            | 109.0 |
| 398      | 12/12/2011 14:31:20 | 8.98   | 50.47           | 32.80        | 10.20           | 7.86 | 4.8               | 3.04            | 109.0 |
| 399      | 12/12/2011 14:46:20 | 8.99   | 50.44           | 32.79        | 10.21           | 7.86 | 4.9               | 2.92            | 109.1 |
| 400      | 12/12/2011 15:01:20 | 8.98   | 50.38           | 32.74        | 10.25           | 7.87 | 4.4               | 2.82            | 109.4 |
| 401      | 12/12/2011 15:16:20 | 8.96   | 50.26           | 32.65        | 10.36           | 7.88 | 4.2               | 2.71            | 110.6 |
| 402      | 12/12/2011 15:31:19 | 9.05   | 50.37           | 32.74        | 10.37           | 7.88 | 4.9               | 2.59            | 110.9 |
| 403      | 12/12/2011 15:46:20 | 9.08   | 50.40           | 32.76        | 10.37           | 7.88 | 5.9               | 2.45            | 111.0 |
| 404      | 12/12/2011 16:01:20 | 8.97   | 50.21           | 32.62        | 10.35           | 7.88 | 6.6               | 2.33            | 110.4 |
| 405      | 12/12/2011 16:16:20 | 8.90   | 50.11           | 32.54        | 10.36           | 7.88 | 5.9               | 2.20            | 110.3 |
| 406      | 12/12/2011 16:31:19 | 8.82   | 49.97           | 32.43        | 10.48           | 7.89 | 6.1               | 2.05            | 111.3 |
| 407      | 12/12/2011 16:46:20 | 8.76   | 49.89           | 32.37        | 10.45           | 7.89 | 5.9               | 1.93            | 110.8 |
| 408      | 12/12/2011 17:01:20 | 8.71   | 49.86           | 32.34        | 10.46           | 7.90 | 6.1               | 1.79            | 110.8 |
| 409      | 12/12/2011 17:16:19 | 8.64   | 49.78           | 32.28        | 10.55           | 7.91 | 6.8               | 1.64            | 111.4 |
| 410      | 12/12/2011 17:31:20 | 8.58   | 49.61           | 32.16        | 10.51           | 7.90 | 7.3               | 1.51            | 110.8 |
| 411      | 12/12/2011 17:46:20 | 8.55   | 49.54           | 32.10        | 10.48           | 7.90 | 6.3               | 1.39            | 110.4 |
| 412      | 12/12/2011 18:01:20 | 8.53   | 49.50           | 32.07        | 10.48           | 7.90 | 5.6               | 1.27            | 110.4 |
| 413      | 12/12/2011 18:16:20 | 8.51   | 49.46           | 32.04        | 10.52           | 7.90 | 5.4               | 1.17            | 110.6 |
| 414      | 12/12/2011 18:31:20 | 8.47   | 49.41           | 32.00        | 10.50           | 7.90 | 5.4               | 1.11            | 110.3 |
| 415      | 12/12/2011 18:46:20 | 8.43   | 49.36           | 31.96        | 10.51           | 7.90 | 5.3               | 1.08            | 110.3 |
| 416      | 12/12/2011 19:01:20 | 8.38   | 49.41           | 32.00        | 10.50           | 7.90 | 5.1               | 1.04            | 110.1 |
| 417      | 12/12/2011 19:16:20 | 8.29   | 49.24           | 31.86        | 10.53           | 7.90 | 5.0               | 1.06            | 110.1 |
| 418      | 12/12/2011 19:31:20 | 8.21   | 49.17           | 31.81        | 10.60           | 7.90 | 4.4               | 1.10            | 110.6 |
| 419      | 12/12/2011 19:46:20 | 8.22   | 49.21           | 31.84        | 10.61           | 7.91 | 4.2               | 1.17            | 110.8 |
| 420      | 12/12/2011 20:01:20 | 8.13   | 49.16           | 31.80        | 10.66           | 7.91 | 4.4               | 1.26            | 111.0 |
| 421      | 12/12/2011 20:16:20 | 8.16   | 49.20           | 31.82        | 10.67           | 7.91 | 4.3               | 1.33            | 111.3 |
| 422      | 12/12/2011 20:31:20 | 7.87   | 48.84           | 31.54        | 10.44           | 7.88 | 5.9               | 1.41            | 107.9 |
| 423      | 12/12/2011 20:46:20 | 7.94   | 48.80           | 31.52        | 10.42           | 7.88 | 5.5               | 1.50            | 107.8 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 424      | 12/12/2011 21:01:20 | 7.86   | 48.76           | 31.48        | 10.40           | 7.87 | 5.6               | 1.57            | 107.4 |
| 425      | 12/12/2011 21:16:20 | 7.93   | 48.84           | 31.55        | 10.39           | 7.87 | 5.6               | 1.66            | 107.5 |
| 426      | 12/12/2011 21:31:20 | 8.17   | 49.11           | 31.76        | 10.44           | 7.88 | 5.4               | 1.74            | 108.8 |
| 427      | 12/12/2011 21:46:20 | 8.24   | 49.19           | 31.82        | 10.44           | 7.88 | 5.1               | 1.83            | 109.0 |
| 428      | 12/12/2011 22:01:20 | 8.35   | 49.34           | 31.94        | 10.42           | 7.88 | 5.1               | 1.93            | 109.2 |
| 429      | 12/12/2011 22:16:20 | 8.49   | 49.50           | 32.07        | 10.28           | 7.87 | 5.1               | 2.03            | 108.1 |
| 430      | 12/12/2011 22:31:20 | 8.54   | 49.59           | 32.14        | 10.22           | 7.87 | 5.2               | 2.13            | 107.7 |
| 431      | 12/12/2011 22:46:19 | 8.60   | 49.63           | 32.17        | 10.20           | 7.87 | 5.3               | 2.24            | 107.6 |
| 432      | 12/12/2011 23:01:20 | 8.64   | 49.72           | 32.24        | 10.19           | 7.86 | 5.4               | 2.34            | 107.7 |
| 433      | 12/12/2011 23:16:20 | 8.67   | 49.81           | 32.30        | 10.17           | 7.86 | 5.9               | 2.43            | 107.5 |
| 434      | 12/12/2011 23:31:20 | 8.67   | 49.86           | 32.34        | 10.16           | 7.86 | 5.9               | 2.53            | 107.4 |
| 435      | 12/12/2011 23:46:20 | 8.70   | 49.91           | 32.38        | 10.14           | 7.86 | 6.2               | 2.61            | 107.3 |
| 436      | 12/13/2011 00:01:20 | 8.73   | 49.98           | 32.43        | 10.12           | 7.86 | 6.4               | 2.70            | 107.3 |
| 437      | 12/13/2011 00:16:20 | 8.75   | 50.11           | 32.53        | 10.12           | 7.86 | 7.2               | 2.79            | 107.3 |
| 438      | 12/13/2011 00:31:20 | 8.78   | 50.25           | 32.63        | 10.13           | 7.86 | 7.2               | 2.87            | 107.6 |
| 439      | 12/13/2011 00:46:20 | 8.79   | 50.42           | 32.76        | 10.17           | 7.86 | 7.3               | 2.94            | 108.2 |
| 440      | 12/13/2011 01:01:20 | 8.82   | 50.60           | 32.89        | 10.20           | 7.86 | 6.8               | 3.01            | 108.6 |
| 441      | 12/13/2011 01:16:20 | 8.83   | 50.70           | 32.96        | 10.18           | 7.86 | 6.2               | 3.09            | 108.5 |
| 442      | 12/13/2011 01:31:19 | 8.83   | 50.74           | 32.98        | 10.18           | 7.86 | 5.8               | 3.14            | 108.5 |
| 443      | 12/13/2011 01:46:20 | 8.83   | 50.77           | 33.01        | 10.15           | 7.86 | 5.0               | 3.19            | 108.2 |
| 444      | 12/13/2011 02:01:20 | 8.82   | 50.77           | 33.01        | 10.13           | 7.86 | 4.5               | 3.23            | 107.9 |
| 445      | 12/13/2011 02:16:20 | 8.82   | 50.81           | 33.04        | 10.06           | 7.86 | 3.5               | 3.24            | 107.2 |
| 446      | 12/13/2011 02:31:20 | 8.78   | 50.70           | 32.95        | 10.05           | 7.86 | 4.1               | 3.24            | 107.0 |
| 447      | 12/13/2011 02:46:20 | 8.80   | 50.72           | 32.97        | 10.08           | 7.86 | 4.3               | 3.23            | 107.4 |
| 448      | 12/13/2011 03:01:19 | 8.80   | 50.78           | 33.01        | 10.11           | 7.86 | 4.2               | 3.19            | 107.7 |
| 449      | 12/13/2011 03:16:20 | 8.52   | 50.35           | 32.68        | 10.04           | 7.85 | 5.8               | 3.12            | 106.1 |
| 450      | 12/13/2011 03:31:20 | 8.50   | 50.30           | 32.64        | 10.01           | 7.85 | 4.8               | 3.06            | 105.7 |
| 451      | 12/13/2011 03:46:20 | 8.53   | 50.46           | 32.76        | 10.02           | 7.85 | 4.8               | 2.99            | 106.0 |
| 452      | 12/13/2011 04:01:20 | 8.52   | 50.47           | 32.77        | 10.05           | 7.85 | 4.2               | 2.91            | 106.2 |
| 453      | 12/13/2011 04:16:20 | 8.50   | 50.42           | 32.73        | 10.03           | 7.85 | 3.8               | 2.84            | 106.0 |
| 454      | 12/13/2011 04:31:20 | 8.40   | 50.16           | 32.53        | 9.97            | 7.85 | 4.0               | 2.78            | 104.9 |
| 455      | 12/13/2011 04:46:20 | 8.31   | 50.02           | 32.42        | 9.94            | 7.85 | 4.2               | 2.70            | 104.4 |
| 456      | 12/13/2011 05:01:20 | 8.27   | 49.97           | 32.39        | 9.95            | 7.85 | 4.0               | 2.65            | 104.4 |
| 457      | 12/13/2011 05:16:20 | 8.25   | 49.93           | 32.36        | 9.93            | 7.85 | 3.7               | 2.59            | 104.1 |
| 458      | 12/13/2011 05:31:20 | 8.22   | 49.90           | 32.33        | 9.95            | 7.85 | 3.7               | 2.53            | 104.2 |
| 459      | 12/13/2011 05:46:20 | 8.17   | 49.84           | 32.28        | 9.90            | 7.85 | 3.6               | 2.48            | 103.5 |
| 460      | 12/13/2011 06:01:19 | 8.05   | 49.79           | 32.24        | 9.87            | 7.85 | 3.5               | 2.44            | 102.9 |
| 461      | 12/13/2011 06:16:20 | 8.16   | 49.88           | 32.31        | 9.98            | 7.85 | 3.7               | 2.40            | 104.3 |
| 462      | 12/13/2011 06:31:20 | 8.06   | 49.76           | 32.22        | 9.95            | 7.85 | 3.7               | 2.36            | 103.8 |
| 463      | 12/13/2011 06:46:20 | 7.85   | 49.72           | 32.17        | 9.94            | 7.85 | 3.4               | 2.34            | 103.1 |
| 464      | 12/13/2011 07:01:20 | 7.87   | 49.65           | 32.12        | 9.91            | 7.85 | 3.1               | 2.35            | 102.8 |
| 465      | 12/13/2011 07:16:20 | 7.83   | 49.64           | 32.11        | 9.98            | 7.85 | 3.5               | 2.36            | 103.5 |
| 466      | 12/13/2011 07:31:19 | 7.87   | 49.69           | 32.15        | 9.98            | 7.85 | 3.5               | 2.37            | 103.6 |
| 467      | 12/13/2011 07:46:20 | 7.99   | 49.80           | 32.24        | 9.96            | 7.85 | 3.5               | 2.41            | 103.7 |
| 468      | 12/13/2011 08:01:20 | 8.11   | 49.85           | 32.28        | 9.98            | 7.85 | 3.5               | 2.46            | 104.2 |
| 469      | 12/13/2011 08:16:20 | 8.17   | 49.89           | 32.32        | 9.98            | 7.85 | 4.0               | 2.51            | 104.3 |
| 470      | 12/13/2011 08:31:20 | 7.94   | 49.79           | 32.22        | 9.99            | 7.85 | 4.5               | 2.57            | 103.8 |
| 471      | 12/13/2011 08:46:20 | 8.13   | 49.93           | 32.35        | 9.99            | 7.85 | 4.5               | 2.64            | 104.4 |
| 472      | 12/13/2011 09:01:20 | 8.21   | 50.04           | 32.43        | 10.00           | 7.85 | 4.1               | 2.70            | 104.7 |
| 473      | 12/13/2011 09:16:20 | 8.32   | 50.17           | 32.53        | 9.98            | 7.85 | 4.1               | 2.78            | 104.9 |
| 474      | 12/13/2011 09:31:20 | 8.40   | 50.31           | 32.64        | 10.00           | 7.85 | 4.2               | 2.85            | 105.4 |
| 475      | 12/13/2011 09:46:20 | 8.44   | 50.38           | 32.69        | 10.03           | 7.85 | 4.0               | 2.92            | 105.8 |
| 476      | 12/13/2011 10:01:20 | 8.54   | 50.46           | 32.76        | 10.08           | 7.86 | 3.7               | 3.00            | 106.6 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 477      | 12/13/2011 10:16:20 | 8.58   | 50.50           | 32.79        | 10.08           | 7.86 | 3.7               | 3.08            | 106.8 |
| 478      | 12/13/2011 10:31:19 | 8.61   | 50.55           | 32.84        | 10.09           | 7.86 | 4.2               | 3.15            | 107.0 |
| 479      | 12/13/2011 10:46:19 | 8.64   | 50.65           | 32.91        | 10.12           | 7.86 | 4.5               | 3.23            | 107.4 |
| 480      | 12/13/2011 11:01:20 | 8.69   | 50.74           | 32.98        | 10.13           | 7.86 | 4.6               | 3.30            | 107.7 |
| 481      | 12/13/2011 11:16:20 | 8.72   | 50.82           | 33.04        | 10.14           | 7.86 | 4.5               | 3.37            | 107.8 |
| 482      | 12/13/2011 11:31:20 | 8.74   | 50.89           | 33.09        | 10.12           | 7.85 | 4.2               | 3.43            | 107.8 |
| 483      | 12/13/2011 11:46:20 | 8.75   | 50.97           | 33.15        | 10.11           | 7.85 | 4.1               | 3.50            | 107.8 |
| 484      | 12/13/2011 12:01:20 | 8.77   | 51.02           | 33.19        | 10.09           | 7.85 | 4.6               | 3.56            | 107.5 |
| 485      | 12/13/2011 12:16:20 | 8.77   | 51.08           | 33.23        | 10.06           | 7.85 | 3.9               | 3.60            | 107.3 |
| 486      | 12/13/2011 12:31:20 | 8.78   | 51.11           | 33.25        | 10.06           | 7.85 | 3.5               | 3.63            | 107.3 |
| 487      | 12/13/2011 12:46:20 | 8.79   | 51.12           | 33.26        | 10.06           | 7.85 | 3.3               | 3.66            | 107.3 |
| 488      | 12/13/2011 13:01:20 | 8.78   | 51.03           | 33.19        | 10.08           | 7.85 | 2.9               | 3.67            | 107.5 |
| 489      | 12/13/2011 13:16:20 | 8.79   | 51.09           | 33.24        | 10.00           | 7.85 | 3.3               | 3.66            | 106.7 |
| 490      | 12/13/2011 13:31:20 | 8.79   | 51.08           | 33.23        | 10.03           | 7.85 | 3.4               | 3.63            | 107.0 |
| 491      | 12/13/2011 13:46:19 | 8.80   | 51.10           | 33.24        | 10.03           | 7.85 | 3.5               | 3.59            | 107.0 |
| 492      | 12/13/2011 14:01:20 | 8.80   | 51.01           | 33.19        | 10.09           | 7.85 | 3.9               | 3.53            | 107.6 |
| 493      | 12/13/2011 14:16:19 | 8.88   | 50.78           | 33.02        | 10.28           | 7.87 | 4.1               | 3.45            | 109.7 |
| 494      | 12/13/2011 14:31:20 | 8.90   | 50.70           | 32.96        | 10.45           | 7.88 | 3.9               | 3.36            | 111.6 |
| 495      | 12/13/2011 14:46:20 | 8.96   | 50.90           | 33.11        | 10.35           | 7.87 | 3.5               | 3.25            | 110.7 |
| 496      | 12/13/2011 15:01:19 | 8.83   | 50.58           | 32.87        | 10.48           | 7.88 | 5.0               | 3.15            | 111.6 |
| 497      | 12/13/2011 15:16:20 | 8.70   | 50.49           | 32.79        | 10.44           | 7.88 | 4.8               | 3.03            | 110.8 |
| 498      | 12/13/2011 15:31:20 | 8.66   | 50.41           | 32.74        | 10.48           | 7.88 | 4.6               | 2.92            | 111.1 |
| 499      | 12/13/2011 15:46:20 | 8.64   | 50.33           | 32.68        | 10.52           | 7.89 | 4.8               | 2.80            | 111.4 |
| 500      | 12/13/2011 16:01:20 | 8.64   | 50.32           | 32.67        | 10.46           | 7.89 | 4.3               | 2.69            | 110.8 |
| 501      | 12/13/2011 16:16:20 | 8.70   | 50.39           | 32.73        | 10.39           | 7.88 | 4.1               | 2.56            | 110.3 |
| 502      | 12/13/2011 16:31:20 | 8.72   | 50.41           | 32.74        | 10.33           | 7.88 | 3.7               | 2.44            | 109.7 |
| 503      | 12/13/2011 16:46:20 | 8.64   | 50.26           | 32.63        | 10.36           | 7.88 | 4.3               | 2.31            | 109.7 |
| 504      | 12/13/2011 17:01:20 | 8.54   | 50.07           | 32.48        | 10.40           | 7.88 | 4.3               | 2.18            | 109.8 |
| 505      | 12/13/2011 17:16:20 | 8.50   | 49.97           | 32.41        | 10.42           | 7.88 | 5.1               | 2.04            | 109.9 |
| 506      | 12/13/2011 17:31:20 | 8.47   | 49.91           | 32.36        | 10.42           | 7.89 | 5.2               | 1.89            | 109.7 |
| 507      | 12/13/2011 17:46:20 | 8.45   | 49.89           | 32.34        | 10.43           | 7.89 | 5.6               | 1.76            | 109.8 |
| 508      | 12/13/2011 18:01:20 | 8.41   | 49.83           | 32.29        | 10.45           | 7.89 | 6.1               | 1.62            | 109.8 |
| 509      | 12/13/2011 18:16:20 | 8.37   | 49.69           | 32.19        | 10.60           | 7.90 | 5.6               | 1.50            | 111.2 |
| 510      | 12/13/2011 18:31:20 | 8.37   | 49.66           | 32.17        | 10.59           | 7.90 | 5.2               | 1.38            | 111.1 |
| 511      | 12/13/2011 18:46:20 | 8.35   | 49.62           | 32.14        | 10.60           | 7.90 | 4.8               | 1.27            | 111.2 |
| 512      | 12/13/2011 19:01:20 | 8.36   | 49.62           | 32.14        | 10.58           | 7.90 | 4.6               | 1.21            | 111.0 |
| 513      | 12/13/2011 19:16:20 | 8.34   | 49.60           | 32.12        | 10.53           | 7.90 | 4.7               | 1.15            | 110.5 |
| 514      | 12/13/2011 19:31:20 | 8.35   | 49.63           | 32.15        | 10.53           | 7.89 | 4.7               | 1.12            | 110.4 |
| 515      | 12/13/2011 19:46:20 | 8.17   | 49.46           | 32.01        | 10.66           | 7.90 | 4.2               | 1.14            | 111.2 |
| 516      | 12/13/2011 20:01:20 | 8.11   | 49.40           | 31.96        | 10.70           | 7.90 | 4.1               | 1.18            | 111.5 |
| 517      | 12/13/2011 20:16:20 | 7.94   | 49.32           | 31.89        | 10.72           | 7.90 | 3.8               | 1.23            | 111.2 |
| 518      | 12/13/2011 20:31:19 | 7.85   | 49.28           | 31.85        | 10.71           | 7.90 | 3.8               | 1.30            | 110.8 |
| 519      | 12/13/2011 20:46:20 | 7.84   | 49.29           | 31.86        | 10.77           | 7.91 | 3.7               | 1.38            | 111.4 |
| 520      | 12/13/2011 21:01:20 | 7.70   | 49.05           | 31.67        | 10.66           | 7.88 | 4.7               | 1.46            | 109.8 |
| 521      | 12/13/2011 21:16:20 | 7.76   | 49.07           | 31.70        | 10.64           | 7.89 | 4.5               | 1.53            | 109.8 |
| 522      | 12/13/2011 21:31:20 | 7.76   | 49.03           | 31.66        | 10.62           | 7.88 | 4.5               | 1.60            | 109.6 |
| 523      | 12/13/2011 21:46:20 | 7.72   | 48.95           | 31.61        | 10.57           | 7.87 | 4.8               | 1.69            | 108.9 |
| 524      | 12/13/2011 22:01:20 | 7.79   | 49.06           | 31.69        | 10.57           | 7.88 | 4.6               | 1.78            | 109.1 |
| 525      | 12/13/2011 22:16:20 | 7.99   | 49.32           | 31.90        | 10.59           | 7.89 | 4.4               | 1.85            | 110.0 |
| 526      | 12/13/2011 22:31:20 | 8.07   | 49.40           | 31.96        | 10.58           | 7.89 | 4.3               | 1.95            | 110.1 |
| 527      | 12/13/2011 22:46:20 | 8.16   | 49.52           | 32.05        | 10.54           | 7.89 | 4.6               | 2.06            | 110.1 |
| 528      | 12/13/2011 23:01:20 | 8.32   | 49.67           | 32.18        | 10.43           | 7.88 | 4.8               | 2.16            | 109.3 |
| 529      | 12/13/2011 23:16:20 | 8.40   | 49.75           | 32.24        | 10.38           | 7.88 | 4.7               | 2.26            | 109.0 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 530      | 12/13/2011 23:31:20 | 8.45   | 49.79           | 32.27        | 10.36           | 7.88 | 4.8               | 2.36            | 109.0 |
| 531      | 12/13/2011 23:46:20 | 8.49   | 49.85           | 32.32        | 10.35           | 7.87 | 5.1               | 2.46            | 109.0 |
| 532      | 12/14/2011 00:01:20 | 8.52   | 49.92           | 32.37        | 10.34           | 7.87 | 5.1               | 2.55            | 109.0 |
| 533      | 12/14/2011 00:16:20 | 8.54   | 49.98           | 32.42        | 10.33           | 7.87 | 5.4               | 2.64            | 109.0 |
| 534      | 12/14/2011 00:31:20 | 8.56   | 50.04           | 32.46        | 10.31           | 7.87 | 5.6               | 2.72            | 108.9 |
| 535      | 12/14/2011 00:46:20 | 8.58   | 50.09           | 32.50        | 10.29           | 7.87 | 6.3               | 2.81            | 108.8 |
| 536      | 12/14/2011 01:01:20 | 8.64   | 50.23           | 32.60        | 10.26           | 7.87 | 7.0               | 2.89            | 108.6 |
| 537      | 12/14/2011 01:16:20 | 8.67   | 50.32           | 32.67        | 10.24           | 7.86 | 7.0               | 2.96            | 108.5 |
| 538      | 12/14/2011 01:31:20 | 8.72   | 50.49           | 32.80        | 10.17           | 7.86 | 6.0               | 3.04            | 108.0 |
| 539      | 12/14/2011 01:46:20 | 8.75   | 50.66           | 32.92        | 10.10           | 7.86 | 5.9               | 3.11            | 107.4 |
| 540      | 12/14/2011 02:01:20 | 8.75   | 50.72           | 32.97        | 10.07           | 7.86 | 5.6               | 3.18            | 107.2 |
| 541      | 12/14/2011 02:16:19 | 8.75   | 50.72           | 32.97        | 10.06           | 7.86 | 4.9               | 3.23            | 107.0 |
| 542      | 12/14/2011 02:31:19 | 8.75   | 50.74           | 32.98        | 10.03           | 7.86 | 4.3               | 3.28            | 106.7 |
| 543      | 12/14/2011 02:46:20 | 8.74   | 50.75           | 32.99        | 10.02           | 7.86 | 4.5               | 3.30            | 106.6 |
| 544      | 12/14/2011 03:01:20 | 8.71   | 50.66           | 32.92        | 9.96            | 7.85 | 3.7               | 3.31            | 105.8 |
| 545      | 12/14/2011 03:16:20 | 8.72   | 50.67           | 32.93        | 10.01           | 7.86 | 4.0               | 3.30            | 106.4 |
| 546      | 12/14/2011 03:31:20 | 8.73   | 50.74           | 32.98        | 10.00           | 7.86 | 3.9               | 3.26            | 106.4 |
| 547      | 12/14/2011 03:46:20 | 8.71   | 50.69           | 32.95        | 10.00           | 7.85 | 4.6               | 3.20            | 106.3 |
| 548      | 12/14/2011 04:01:20 | 8.40   | 50.21           | 32.57        | 10.02           | 7.85 | 4.4               | 3.14            | 105.6 |
| 549      | 12/14/2011 04:16:20 | 8.36   | 50.29           | 32.62        | 10.02           | 7.85 | 4.2               | 3.08            | 105.4 |
| 550      | 12/14/2011 04:31:20 | 8.44   | 50.40           | 32.71        | 10.03           | 7.85 | 4.1               | 2.99            | 105.8 |
| 551      | 12/14/2011 04:46:20 | 8.45   | 50.45           | 32.75        | 10.04           | 7.85 | 3.8               | 2.93            | 105.9 |
| 552      | 12/14/2011 05:01:20 | 8.36   | 50.25           | 32.59        | 10.07           | 7.86 | 4.0               | 2.85            | 106.0 |
| 553      | 12/14/2011 05:16:20 | 8.29   | 50.14           | 32.51        | 10.06           | 7.86 | 3.6               | 2.79            | 105.7 |
| 554      | 12/14/2011 05:31:20 | 8.31   | 50.05           | 32.45        | 10.05           | 7.86 | 4.2               | 2.73            | 105.6 |
| 555      | 12/14/2011 05:46:20 | 8.25   | 49.97           | 32.39        | 10.08           | 7.86 | 3.9               | 2.65            | 105.6 |
| 556      | 12/14/2011 06:01:20 | 8.28   | 49.99           | 32.40        | 10.07           | 7.86 | 3.6               | 2.61            | 105.7 |
| 557      | 12/14/2011 06:16:20 | 8.28   | 49.97           | 32.39        | 10.05           | 7.86 | 3.5               | 2.55            | 105.4 |
| 558      | 12/14/2011 06:31:20 | 8.22   | 49.93           | 32.35        | 10.06           | 7.86 | 3.6               | 2.49            | 105.3 |
| 559      | 12/14/2011 06:46:20 | 8.21   | 49.95           | 32.36        | 10.10           | 7.86 | 3.7               | 2.45            | 105.8 |
| 560      | 12/14/2011 07:01:20 | 8.12   | 49.92           | 32.34        | 10.02           | 7.85 | 3.5               | 2.41            | 104.7 |
| 561      | 12/14/2011 07:16:20 | 8.06   | 49.86           | 32.29        | 10.07           | 7.86 | 3.4               | 2.38            | 105.0 |
| 562      | 12/14/2011 07:31:20 | 7.98   | 49.73           | 32.19        | 10.07           | 7.86 | 3.3               | 2.36            | 104.8 |
| 563      | 12/14/2011 07:46:20 | 7.91   | 49.70           | 32.16        | 10.05           | 7.86 | 3.0               | 2.36            | 104.4 |
| 564      | 12/14/2011 08:01:20 | 7.88   | 49.67           | 32.14        | 10.06           | 7.85 | 3.2               | 2.36            | 104.4 |
| 565      | 12/14/2011 08:16:20 | 8.00   | 49.78           | 32.23        | 10.08           | 7.85 | 3.3               | 2.38            | 104.9 |
| 566      | 12/14/2011 08:31:20 | 8.01   | 49.82           | 32.26        | 10.09           | 7.85 | 3.2               | 2.40            | 105.1 |
| 567      | 12/14/2011 08:46:20 | 8.12   | 49.88           | 32.31        | 10.13           | 7.86 | 3.2               | 2.44            | 105.8 |
| 568      | 12/14/2011 09:01:20 | 8.15   | 49.91           | 32.33        | 10.13           | 7.86 | 3.5               | 2.50            | 105.9 |
| 569      | 12/14/2011 09:16:20 | 8.02   | 49.81           | 32.25        | 10.14           | 7.85 | 4.5               | 2.56            | 105.7 |
| 570      | 12/14/2011 09:31:20 | 8.12   | 49.90           | 32.32        | 10.12           | 7.86 | 4.3               | 2.62            | 105.7 |
| 571      | 12/14/2011 09:46:20 | 8.21   | 49.99           | 32.40        | 10.11           | 7.86 | 3.8               | 2.69            | 105.9 |
| 572      | 12/14/2011 10:01:20 | 8.27   | 50.07           | 32.46        | 10.10           | 7.86 | 3.8               | 2.75            | 106.0 |
| 573      | 12/14/2011 10:16:20 | 8.35   | 50.17           | 32.54        | 10.07           | 7.85 | 3.8               | 2.81            | 105.9 |
| 574      | 12/14/2011 10:31:20 | 8.45   | 50.34           | 32.67        | 10.05           | 7.85 | 3.7               | 2.89            | 106.0 |
| 575      | 12/14/2011 10:46:20 | 8.51   | 50.40           | 32.72        | 10.07           | 7.86 | 3.5               | 2.96            | 106.3 |
| 576      | 12/14/2011 11:01:20 | 8.57   | 50.45           | 32.76        | 10.07           | 7.86 | 3.4               | 3.02            | 106.6 |
| 577      | 12/14/2011 11:16:19 | 8.60   | 50.46           | 32.77        | 10.09           | 7.86 | 3.4               | 3.07            | 106.9 |
| 578      | 12/14/2011 11:31:20 | 8.63   | 50.51           | 32.80        | 10.07           | 7.86 | 3.4               | 3.15            | 106.8 |
| 579      | 12/14/2011 11:46:20 | 8.66   | 50.59           | 32.86        | 10.03           | 7.86 | 3.6               | 3.20            | 106.4 |
| 580      | 12/14/2011 12:01:20 | 8.72   | 50.68           | 32.94        | 9.95            | 7.85 | 3.8               | 3.28            | 105.8 |
| 581      | 12/14/2011 12:16:20 | 8.76   | 50.74           | 32.99        | 9.90            | 7.85 | 3.8               | 3.34            | 105.4 |
| 582      | 12/14/2011 12:31:20 | 8.80   | 50.81           | 33.04        | 9.84            | 7.85 | 3.5               | 3.40            | 104.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 583      | 12/14/2011 12:46:20 | 8.83   | 50.86           | 33.07        | 9.77            | 7.85 | 3.5               | 3.45            | 104.2 |
| 584      | 12/14/2011 13:01:20 | 8.86   | 50.92           | 33.12        | 9.70            | 7.85 | 3.4               | 3.50            | 103.5 |
| 585      | 12/14/2011 13:16:20 | 8.88   | 50.96           | 33.15        | 9.65            | 7.85 | 3.4               | 3.54            | 103.1 |
| 586      | 12/14/2011 13:31:20 | 8.89   | 50.96           | 33.15        | 9.58            | 7.84 | 3.3               | 3.55            | 102.4 |
| 587      | 12/14/2011 13:46:20 | 8.88   | 50.90           | 33.11        | 9.67            | 7.85 | 2.6               | 3.57            | 103.2 |
| 588      | 12/14/2011 14:01:20 | 8.87   | 50.92           | 33.12        | 9.61            | 7.84 | 2.8               | 3.56            | 102.7 |
| 589      | 12/14/2011 14:16:19 | 8.89   | 50.96           | 33.15        | 9.60            | 7.84 | 3.5               | 3.54            | 102.6 |
| 590      | 12/14/2011 14:31:20 | 8.89   | 50.95           | 33.15        | 9.63            | 7.84 | 3.5               | 3.49            | 102.9 |
| 591      | 12/14/2011 14:46:20 | 8.86   | 50.84           | 33.06        | 9.77            | 7.85 | 3.5               | 3.44            | 104.3 |
| 592      | 12/14/2011 15:01:20 | 8.85   | 50.70           | 32.96        | 10.03           | 7.86 | 3.7               | 3.36            | 107.0 |
| 593      | 12/14/2011 15:16:20 | 8.89   | 50.55           | 32.86        | 10.35           | 7.89 | 4.0               | 3.28            | 110.4 |
| 594      | 12/14/2011 15:31:20 | 8.80   | 50.33           | 32.69        | 10.59           | 7.90 | 4.1               | 3.19            | 112.6 |
| 595      | 12/14/2011 15:46:20 | 8.80   | 50.23           | 32.62        | 10.84           | 7.91 | 5.4               | 3.08            | 115.2 |
| 596      | 12/14/2011 16:01:20 | 8.74   | 50.19           | 32.59        | 10.78           | 7.91 | 4.9               | 2.98            | 114.3 |
| 597      | 12/14/2011 16:16:20 | 8.71   | 50.16           | 32.56        | 10.84           | 7.91 | 4.3               | 2.87            | 114.9 |
| 598      | 12/14/2011 16:31:20 | 8.66   | 50.13           | 32.53        | 10.77           | 7.91 | 4.7               | 2.76            | 114.1 |
| 599      | 12/14/2011 16:46:20 | 8.66   | 50.14           | 32.54        | 10.63           | 7.90 | 4.8               | 2.64            | 112.6 |
| 600      | 12/14/2011 17:01:19 | 8.63   | 50.27           | 32.63        | 10.42           | 7.89 | 4.7               | 2.52            | 110.3 |
| 601      | 12/14/2011 17:16:20 | 8.63   | 50.38           | 32.71        | 10.28           | 7.88 | 4.7               | 2.41            | 108.9 |
| 602      | 12/14/2011 17:31:19 | 8.57   | 50.21           | 32.59        | 10.35           | 7.88 | 4.8               | 2.27            | 109.4 |
| 603      | 12/14/2011 17:46:20 | 8.49   | 50.05           | 32.46        | 10.45           | 7.89 | 5.4               | 2.15            | 110.2 |
| 604      | 12/14/2011 18:01:20 | 8.42   | 49.91           | 32.35        | 10.53           | 7.89 | 6.0               | 2.02            | 110.7 |
| 605      | 12/14/2011 18:16:20 | 8.41   | 49.92           | 32.37        | 10.51           | 7.89 | 6.3               | 1.90            | 110.6 |
| 606      | 12/14/2011 18:31:20 | 8.36   | 49.78           | 32.26        | 10.62           | 7.90 | 5.9               | 1.78            | 111.5 |
| 607      | 12/14/2011 18:46:20 | 8.35   | 49.77           | 32.25        | 10.61           | 7.90 | 5.7               | 1.64            | 111.4 |
| 608      | 12/14/2011 19:01:20 | 8.34   | 49.73           | 32.22        | 10.67           | 7.90 | 5.6               | 1.54            | 112.0 |
| 609      | 12/14/2011 19:16:20 | 8.33   | 49.69           | 32.19        | 10.72           | 7.91 | 4.9               | 1.43            | 112.4 |
| 610      | 12/14/2011 19:31:20 | 8.32   | 49.65           | 32.16        | 10.76           | 7.91 | 4.6               | 1.34            | 112.8 |
| 611      | 12/14/2011 19:46:20 | 8.31   | 49.63           | 32.14        | 10.73           | 7.91 | 5.8               | 1.28            | 112.5 |
| 612      | 12/14/2011 20:01:20 | 8.24   | 49.53           | 32.07        | 10.76           | 7.91 | 5.7               | 1.25            | 112.6 |
| 613      | 12/14/2011 20:16:20 | 8.20   | 49.48           | 32.03        | 10.77           | 7.91 | 4.4               | 1.23            | 112.6 |
| 614      | 12/14/2011 20:31:20 | 8.14   | 49.42           | 31.98        | 10.89           | 7.91 | 4.2               | 1.28            | 113.6 |
| 615      | 12/14/2011 20:46:20 | 8.13   | 49.39           | 31.96        | 10.95           | 7.92 | 3.7               | 1.30            | 114.1 |
| 616      | 12/14/2011 21:01:20 | 8.06   | 49.34           | 31.92        | 10.97           | 7.91 | 4.0               | 1.36            | 114.1 |
| 617      | 12/14/2011 21:16:20 | 8.05   | 49.33           | 31.91        | 10.99           | 7.92 | 4.2               | 1.45            | 114.3 |
| 618      | 12/14/2011 21:31:20 | 8.04   | 49.26           | 31.86        | 10.93           | 7.91 | 4.5               | 1.50            | 113.6 |
| 619      | 12/14/2011 21:46:20 | 7.96   | 48.92           | 31.61        | 10.72           | 7.88 | 5.4               | 1.60            | 111.0 |
| 620      | 12/14/2011 22:01:20 | 7.97   | 48.90           | 31.59        | 10.68           | 7.88 | 5.7               | 1.65            | 110.6 |
| 621      | 12/14/2011 22:16:20 | 7.97   | 48.89           | 31.59        | 10.66           | 7.87 | 5.5               | 1.73            | 110.4 |
| 622      | 12/14/2011 22:31:20 | 8.08   | 49.20           | 31.82        | 10.77           | 7.89 | 4.8               | 1.82            | 112.0 |
| 623      | 12/14/2011 22:46:19 | 8.11   | 49.24           | 31.85        | 10.75           | 7.89 | 4.8               | 1.90            | 112.0 |
| 624      | 12/14/2011 23:01:20 | 8.13   | 49.32           | 31.90        | 10.76           | 7.90 | 4.7               | 1.98            | 112.1 |
| 625      | 12/14/2011 23:16:20 | 8.20   | 49.44           | 32.00        | 10.74           | 7.90 | 4.6               | 2.08            | 112.1 |
| 626      | 12/14/2011 23:31:20 | 8.31   | 49.61           | 32.13        | 10.60           | 7.89 | 4.9               | 2.17            | 111.1 |
| 627      | 12/14/2011 23:46:20 | 8.39   | 49.72           | 32.22        | 10.52           | 7.89 | 5.2               | 2.26            | 110.5 |
| 628      | 12/15/2011 00:01:20 | 8.46   | 49.81           | 32.29        | 10.48           | 7.88 | 5.4               | 2.37            | 110.3 |
| 629      | 12/15/2011 00:16:20 | 8.50   | 49.90           | 32.36        | 10.41           | 7.88 | 5.9               | 2.46            | 109.7 |
| 630      | 12/15/2011 00:31:20 | 8.54   | 49.96           | 32.40        | 10.37           | 7.88 | 5.8               | 2.55            | 109.5 |
| 631      | 12/15/2011 00:46:20 | 8.56   | 50.01           | 32.44        | 10.37           | 7.88 | 5.7               | 2.64            | 109.5 |
| 632      | 12/15/2011 01:01:20 | 8.58   | 50.05           | 32.47        | 10.35           | 7.88 | 6.7               | 2.73            | 109.3 |
| 633      | 12/15/2011 01:16:19 | 8.60   | 50.09           | 32.50        | 10.30           | 7.88 | 5.7               | 2.82            | 109.0 |
| 634      | 12/15/2011 01:31:19 | 8.65   | 50.20           | 32.59        | 10.25           | 7.87 | 6.4               | 2.90            | 108.5 |
| 635      | 12/15/2011 01:46:20 | 8.69   | 50.32           | 32.67        | 10.18           | 7.87 | 6.7               | 2.98            | 108.0 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 636      | 12/15/2011 02:01:20 | 8.73   | 50.45           | 32.77        | 10.10           | 7.86 | 7.0               | 3.06            | 107.3 |
| 637      | 12/15/2011 02:16:20 | 8.77   | 50.58           | 32.87        | 10.04           | 7.86 | 6.3               | 3.13            | 106.7 |
| 638      | 12/15/2011 02:31:20 | 8.79   | 50.64           | 32.91        | 10.00           | 7.86 | 6.2               | 3.20            | 106.5 |
| 639      | 12/15/2011 02:46:20 | 8.80   | 50.67           | 32.94        | 9.99            | 7.86 | 5.6               | 3.27            | 106.4 |
| 640      | 12/15/2011 03:01:20 | 8.80   | 50.68           | 32.94        | 9.93            | 7.86 | 4.5               | 3.31            | 105.7 |
| 641      | 12/15/2011 03:16:20 | 8.81   | 50.70           | 32.96        | 9.94            | 7.85 | 4.3               | 3.35            | 105.9 |
| 642      | 12/15/2011 03:31:20 | 8.81   | 50.70           | 32.96        | 9.88            | 7.86 | 3.5               | 3.38            | 105.3 |
| 643      | 12/15/2011 03:46:20 | 8.76   | 50.55           | 32.84        | 9.82            | 7.85 | 3.5               | 3.38            | 104.4 |
| 644      | 12/15/2011 04:01:20 | 8.78   | 50.63           | 32.91        | 9.88            | 7.85 | 4.5               | 3.35            | 105.2 |
| 645      | 12/15/2011 04:16:20 | 8.61   | 50.07           | 32.49        | 10.01           | 7.86 | 4.4               | 3.33            | 105.9 |
| 646      | 12/15/2011 04:31:20 | 8.55   | 49.96           | 32.41        | 10.05           | 7.86 | 4.6               | 3.29            | 106.1 |
| 647      | 12/15/2011 04:46:20 | 8.56   | 50.00           | 32.43        | 10.05           | 7.86 | 5.4               | 3.20            | 106.1 |
| 648      | 12/15/2011 05:01:20 | 8.65   | 50.23           | 32.61        | 9.95            | 7.86 | 3.7               | 3.14            | 105.4 |
| 649      | 12/15/2011 05:16:20 | 8.63   | 50.19           | 32.57        | 10.00           | 7.86 | 4.9               | 3.06            | 105.8 |
| 650      | 12/15/2011 05:31:20 | 8.58   | 50.11           | 32.51        | 10.01           | 7.86 | 4.9               | 2.99            | 105.8 |
| 651      | 12/15/2011 05:46:20 | 8.56   | 50.07           | 32.48        | 9.99            | 7.86 | 5.3               | 2.92            | 105.6 |
| 652      | 12/15/2011 06:01:20 | 8.54   | 50.00           | 32.43        | 10.02           | 7.86 | 4.5               | 2.84            | 105.7 |
| 653      | 12/15/2011 06:16:20 | 8.54   | 50.01           | 32.44        | 10.03           | 7.86 | 4.1               | 2.77            | 105.8 |
| 654      | 12/15/2011 06:31:20 | 8.50   | 49.95           | 32.39        | 10.01           | 7.86 | 4.2               | 2.71            | 105.6 |
| 655      | 12/15/2011 06:46:20 | 8.50   | 49.96           | 32.40        | 10.00           | 7.86 | 4.0               | 2.64            | 105.5 |
| 656      | 12/15/2011 07:01:20 | 8.48   | 49.94           | 32.38        | 10.04           | 7.86 | 4.0               | 2.58            | 105.8 |
| 657      | 12/15/2011 07:16:20 | 8.46   | 49.97           | 32.41        | 9.99            | 7.86 | 3.7               | 2.51            | 105.2 |
| 658      | 12/15/2011 07:31:20 | 8.47   | 50.01           | 32.43        | 10.02           | 7.86 | 3.8               | 2.47            | 105.5 |
| 659      | 12/15/2011 07:46:20 | 8.40   | 49.86           | 32.32        | 10.09           | 7.86 | 3.8               | 2.43            | 106.1 |
| 660      | 12/15/2011 08:01:20 | 8.32   | 49.70           | 32.20        | 10.05           | 7.86 | 3.5               | 2.38            | 105.4 |
| 661      | 12/15/2011 08:16:20 | 8.27   | 49.62           | 32.13        | 10.09           | 7.86 | 3.2               | 2.33            | 105.6 |
| 662      | 12/15/2011 08:31:20 | 8.25   | 49.59           | 32.11        | 10.04           | 7.86 | 3.2               | 2.32            | 105.1 |
| 663      | 12/15/2011 08:46:20 | 8.22   | 49.49           | 32.04        | 10.03           | 7.86 | 3.3               | 2.32            | 104.8 |
| 664      | 12/15/2011 09:01:20 | 8.19   | 49.42           | 31.99        | 10.05           | 7.86 | 3.7               | 2.30            | 104.9 |
| 665      | 12/15/2011 09:16:20 | 8.31   | 49.65           | 32.16        | 10.09           | 7.86 | 3.4               | 2.33            | 105.8 |
| 666      | 12/15/2011 09:31:20 | 8.35   | 49.69           | 32.19        | 10.06           | 7.86 | 3.5               | 2.36            | 105.6 |
| 667      | 12/15/2011 09:46:20 | 8.37   | 49.71           | 32.21        | 10.10           | 7.86 | 4.5               | 2.40            | 106.1 |
| 668      | 12/15/2011 10:01:20 | 8.40   | 49.72           | 32.22        | 10.12           | 7.86 | 3.9               | 2.45            | 106.3 |
| 669      | 12/15/2011 10:16:20 | 8.37   | 49.44           | 32.02        | 10.13           | 7.85 | 4.9               | 2.51            | 106.2 |
| 670      | 12/15/2011 10:31:20 | 8.37   | 49.41           | 31.99        | 10.13           | 7.85 | 4.4               | 2.58            | 106.2 |
| 671      | 12/15/2011 10:46:20 | 8.45   | 49.72           | 32.22        | 10.12           | 7.86 | 4.1               | 2.64            | 106.4 |
| 672      | 12/15/2011 11:01:20 | 8.49   | 49.78           | 32.27        | 10.10           | 7.86 | 4.2               | 2.71            | 106.3 |
| 673      | 12/15/2011 11:16:20 | 8.55   | 49.91           | 32.36        | 10.07           | 7.86 | 4.0               | 2.77            | 106.3 |
| 674      | 12/15/2011 11:31:20 | 8.60   | 50.02           | 32.45        | 10.05           | 7.86 | 4.0               | 2.83            | 106.3 |
| 675      | 12/15/2011 11:46:20 | 8.64   | 50.10           | 32.51        | 10.06           | 7.86 | 3.7               | 2.89            | 106.4 |
| 676      | 12/15/2011 12:01:20 | 8.68   | 50.15           | 32.55        | 10.07           | 7.86 | 3.6               | 2.94            | 106.7 |
| 677      | 12/15/2011 12:16:20 | 8.71   | 50.18           | 32.57        | 10.07           | 7.86 | 3.5               | 3.02            | 106.8 |
| 678      | 12/15/2011 12:31:20 | 8.73   | 50.20           | 32.59        | 10.09           | 7.86 | 3.4               | 3.07            | 107.0 |
| 679      | 12/15/2011 12:46:20 | 8.75   | 50.21           | 32.60        | 10.09           | 7.86 | 3.4               | 3.12            | 107.1 |
| 680      | 12/15/2011 13:01:20 | 8.78   | 50.27           | 32.65        | 10.07           | 7.86 | 3.5               | 3.19            | 106.9 |
| 681      | 12/15/2011 13:16:20 | 8.82   | 50.34           | 32.70        | 10.04           | 7.86 | 3.5               | 3.24            | 106.8 |
| 682      | 12/15/2011 13:31:20 | 8.85   | 50.39           | 32.74        | 10.02           | 7.86 | 3.4               | 3.28            | 106.7 |
| 683      | 12/15/2011 13:46:20 | 8.88   | 50.43           | 32.77        | 10.00           | 7.86 | 3.4               | 3.32            | 106.6 |
| 684      | 12/15/2011 14:01:20 | 8.89   | 50.45           | 32.78        | 9.95            | 7.86 | 3.4               | 3.35            | 106.1 |
| 685      | 12/15/2011 14:16:20 | 8.90   | 50.46           | 32.80        | 9.87            | 7.86 | 3.6               | 3.38            | 105.2 |
| 686      | 12/15/2011 14:31:20 | 8.90   | 50.46           | 32.79        | 9.81            | 7.85 | 3.1               | 3.39            | 104.7 |
| 687      | 12/15/2011 14:46:20 | 8.89   | 50.44           | 32.77        | 9.88            | 7.85 | 2.8               | 3.37            | 105.3 |
| 688      | 12/15/2011 15:01:20 | 8.90   | 50.46           | 32.79        | 9.89            | 7.85 | 3.0               | 3.35            | 105.5 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 689      | 12/15/2011 15:16:20 | 8.91   | 50.45           | 32.79        | 9.86            | 7.85 | 3.0               | 3.33            | 105.2 |
| 690      | 12/15/2011 15:31:20 | 8.92   | 50.41           | 32.76        | 9.95            | 7.86 | 3.8               | 3.26            | 106.1 |
| 691      | 12/15/2011 15:46:20 | 8.95   | 50.34           | 32.71        | 10.15           | 7.87 | 5.6               | 3.19            | 108.3 |
| 692      | 12/15/2011 16:01:20 | 8.93   | 50.31           | 32.69        | 10.19           | 7.88 | 7.5               | 3.13            | 108.6 |
| 693      | 12/15/2011 16:16:20 | 8.91   | 50.30           | 32.68        | 10.25           | 7.88 | 11.0              | 3.05            | 109.3 |
| 694      | 12/15/2011 16:31:20 | 8.88   | 50.28           | 32.66        | 10.25           | 7.88 | 12.7              | 2.95            | 109.1 |
| 695      | 12/15/2011 16:46:20 | 8.86   | 50.24           | 32.63        | 10.26           | 7.88 | 10.7              | 2.86            | 109.2 |
| 696      | 12/15/2011 17:01:20 | 8.83   | 50.21           | 32.61        | 10.25           | 7.89 | 9.7               | 2.77            | 109.0 |
| 697      | 12/15/2011 17:16:20 | 8.82   | 50.08           | 32.51        | 10.32           | 7.89 | 10.9              | 2.66            | 109.6 |
| 698      | 12/15/2011 17:31:20 | 8.82   | 49.92           | 32.40        | 10.42           | 7.90 | 13.7              | 2.57            | 110.7 |
| 699      | 12/15/2011 17:46:20 | 8.76   | 49.98           | 32.43        | 10.26           | 7.88 | 14.6              | 2.46            | 108.8 |
| 700      | 12/15/2011 18:01:20 | 8.72   | 49.99           | 32.44        | 10.17           | 7.88 | 15.0              | 2.34            | 107.8 |
| 701      | 12/15/2011 18:16:20 | 8.69   | 49.94           | 32.40        | 10.19           | 7.88 | 15.2              | 2.23            | 107.9 |
| 702      | 12/15/2011 18:31:20 | 8.67   | 49.89           | 32.36        | 10.20           | 7.88 | 15.0              | 2.11            | 107.9 |
| 703      | 12/15/2011 18:46:20 | 8.64   | 49.81           | 32.30        | 10.24           | 7.88 | 15.2              | 1.99            | 108.2 |
| 704      | 12/15/2011 19:01:20 | 8.62   | 49.73           | 32.25        | 10.34           | 7.88 | 15.4              | 1.86            | 109.2 |
| 705      | 12/15/2011 19:16:19 | 8.59   | 49.69           | 32.21        | 10.34           | 7.88 | 15.3              | 1.74            | 109.1 |
| 706      | 12/15/2011 19:31:20 | 8.61   | 49.63           | 32.17        | 10.42           | 7.89 | 14.6              | 1.65            | 110.0 |
| 707      | 12/15/2011 19:46:19 | 8.60   | 49.53           | 32.10        | 10.60           | 7.90 | 13.9              | 1.54            | 111.8 |
| 708      | 12/15/2011 20:01:20 | 8.61   | 49.51           | 32.08        | 10.62           | 7.91 | 12.1              | 1.47            | 112.0 |
| 709      | 12/15/2011 20:16:20 | 8.62   | 49.46           | 32.05        | 10.69           | 7.92 | 11.0              | 1.39            | 112.7 |
| 710      | 12/15/2011 20:31:20 | 8.59   | 49.34           | 31.96        | 10.80           | 7.92 | 11.4              | 1.37            | 113.8 |
| 711      | 12/15/2011 20:46:19 | 8.57   | 49.11           | 31.80        | 10.99           | 7.94 | 14.8              | 1.35            | 115.5 |
| 712      | 12/15/2011 21:01:20 | 8.52   | 49.11           | 31.79        | 10.84           | 7.93 | 13.1              | 1.35            | 113.8 |
| 713      | 12/15/2011 21:16:20 | 8.57   | 49.13           | 31.81        | 11.02           | 7.94 | 13.4              | 1.37            | 115.9 |
| 714      | 12/15/2011 21:31:20 | 8.56   | 49.15           | 31.82        | 11.03           | 7.94 | 12.1              | 1.40            | 116.0 |
| 715      | 12/15/2011 21:46:20 | 8.53   | 49.13           | 31.81        | 11.06           | 7.95 | 13.2              | 1.48            | 116.2 |
| 716      | 12/15/2011 22:01:20 | 8.52   | 49.12           | 31.80        | 11.06           | 7.95 | 13.1              | 1.52            | 116.3 |
| 717      | 12/15/2011 22:16:20 | 8.52   | 48.98           | 31.69        | 10.98           | 7.94 | 12.3              | 1.59            | 115.3 |
| 718      | 12/15/2011 22:31:19 | 8.56   | 49.06           | 31.75        | 10.98           | 7.94 | 12.4              | 1.67            | 115.4 |
| 719      | 12/15/2011 22:46:20 | 8.58   | 49.03           | 31.73        | 10.94           | 7.93 | 11.5              | 1.75            | 115.0 |
| 720      | 12/15/2011 23:01:19 | 8.60   | 48.94           | 31.68        | 10.85           | 7.92 | 10.8              | 1.82            | 114.1 |
| 721      | 12/15/2011 23:16:20 | 8.61   | 48.89           | 31.64        | 10.82           | 7.91 | 10.1              | 1.89            | 113.7 |
| 722      | 12/15/2011 23:31:20 | 8.60   | 48.91           | 31.65        | 10.77           | 7.91 | 9.5               | 1.99            | 113.2 |
| 723      | 12/15/2011 23:46:20 | 8.61   | 49.02           | 31.73        | 10.73           | 7.91 | 8.9               | 2.07            | 112.9 |
| 724      | 12/16/2011 00:01:20 | 8.58   | 49.10           | 31.79        | 10.67           | 7.90 | 8.7               | 2.15            | 112.2 |
| 725      | 12/16/2011 00:16:20 | 8.68   | 49.41           | 32.02        | 10.50           | 7.89 | 8.0               | 2.24            | 110.9 |
| 726      | 12/16/2011 00:31:20 | 8.71   | 49.56           | 32.13        | 10.41           | 7.89 | 7.7               | 2.34            | 110.1 |
| 727      | 12/16/2011 00:46:20 | 8.70   | 49.62           | 32.17        | 10.40           | 7.89 | 8.1               | 2.43            | 110.0 |
| 728      | 12/16/2011 01:01:20 | 8.71   | 49.69           | 32.22        | 10.36           | 7.89 | 8.2               | 2.52            | 109.6 |
| 729      | 12/16/2011 01:16:20 | 8.74   | 49.79           | 32.30        | 10.32           | 7.88 | 8.1               | 2.61            | 109.2 |
| 730      | 12/16/2011 01:31:20 | 8.75   | 49.85           | 32.34        | 10.31           | 7.88 | 8.4               | 2.71            | 109.2 |
| 731      | 12/16/2011 01:46:20 | 8.75   | 49.88           | 32.36        | 10.29           | 7.88 | 8.9               | 2.78            | 109.0 |
| 732      | 12/16/2011 02:01:20 | 8.76   | 49.90           | 32.38        | 10.25           | 7.88 | 9.1               | 2.87            | 108.7 |
| 733      | 12/16/2011 02:16:20 | 8.78   | 50.00           | 32.45        | 10.21           | 7.87 | 10.4              | 2.95            | 108.3 |
| 734      | 12/16/2011 02:31:20 | 8.80   | 50.10           | 32.52        | 10.19           | 7.87 | 8.7               | 3.03            | 108.3 |
| 735      | 12/16/2011 02:46:20 | 8.86   | 50.27           | 32.65        | 10.17           | 7.87 | 8.4               | 3.10            | 108.2 |
| 736      | 12/16/2011 03:01:20 | 8.90   | 50.40           | 32.75        | 10.16           | 7.87 | 8.2               | 3.17            | 108.3 |
| 737      | 12/16/2011 03:16:20 | 8.93   | 50.48           | 32.81        | 10.20           | 7.87 | 7.4               | 3.24            | 108.8 |
| 738      | 12/16/2011 03:31:20 | 8.96   | 50.53           | 32.85        | 10.19           | 7.87 | 6.3               | 3.31            | 108.9 |
| 739      | 12/16/2011 03:46:20 | 8.98   | 50.56           | 32.87        | 10.15           | 7.86 | 5.6               | 3.35            | 108.5 |
| 740      | 12/16/2011 04:01:20 | 8.99   | 50.57           | 32.88        | 10.11           | 7.86 | 4.6               | 3.39            | 108.1 |
| 741      | 12/16/2011 04:16:19 | 8.99   | 50.58           | 32.89        | 10.04           | 7.86 | 3.7               | 3.41            | 107.3 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 742      | 12/16/2011 04:31:20 | 8.93   | 50.47           | 32.80        | 10.02           | 7.86 | 4.8               | 3.40            | 106.9 |
| 743      | 12/16/2011 04:46:20 | 8.92   | 50.48           | 32.81        | 10.06           | 7.86 | 5.9               | 3.39            | 107.3 |
| 744      | 12/16/2011 05:01:20 | 8.95   | 50.53           | 32.84        | 10.05           | 7.86 | 5.2               | 3.35            | 107.3 |
| 745      | 12/16/2011 05:16:20 | 8.86   | 50.45           | 32.78        | 10.05           | 7.86 | 6.2               | 3.29            | 107.1 |
| 746      | 12/16/2011 05:31:20 | 8.67   | 50.20           | 32.58        | 10.04           | 7.86 | 6.1               | 3.22            | 106.3 |
| 747      | 12/16/2011 05:46:20 | 8.60   | 50.26           | 32.63        | 10.04           | 7.86 | 5.2               | 3.15            | 106.2 |
| 748      | 12/16/2011 06:01:20 | 8.63   | 50.34           | 32.68        | 10.05           | 7.86 | 4.5               | 3.07            | 106.4 |
| 749      | 12/16/2011 06:16:20 | 8.56   | 50.20           | 32.58        | 10.04           | 7.86 | 4.8               | 2.99            | 106.1 |
| 750      | 12/16/2011 06:31:20 | 8.45   | 49.94           | 32.38        | 10.04           | 7.86 | 5.7               | 2.92            | 105.7 |
| 751      | 12/16/2011 06:46:20 | 8.46   | 49.91           | 32.36        | 10.03           | 7.87 | 6.4               | 2.83            | 105.7 |
| 752      | 12/16/2011 07:01:20 | 8.39   | 49.82           | 32.29        | 10.04           | 7.87 | 5.9               | 2.76            | 105.5 |
| 753      | 12/16/2011 07:16:20 | 8.40   | 49.82           | 32.29        | 10.03           | 7.87 | 5.0               | 2.69            | 105.4 |
| 754      | 12/16/2011 07:31:20 | 8.40   | 49.81           | 32.28        | 10.03           | 7.87 | 5.4               | 2.62            | 105.4 |
| 755      | 12/16/2011 07:46:20 | 8.38   | 49.85           | 32.31        | 10.01           | 7.86 | 4.2               | 2.54            | 105.2 |
| 756      | 12/16/2011 08:01:20 | 8.38   | 49.89           | 32.34        | 10.07           | 7.87 | 4.5               | 2.49            | 105.8 |
| 757      | 12/16/2011 08:16:20 | 8.40   | 49.80           | 32.28        | 10.12           | 7.87 | 4.7               | 2.41            | 106.4 |
| 758      | 12/16/2011 08:31:20 | 8.31   | 49.78           | 32.25        | 10.10           | 7.87 | 4.6               | 2.36            | 105.9 |
| 759      | 12/16/2011 08:46:20 | 8.27   | 49.69           | 32.19        | 10.18           | 7.87 | 4.6               | 2.31            | 106.6 |
| 760      | 12/16/2011 09:01:20 | 8.26   | 49.56           | 32.09        | 10.24           | 7.88 | 4.6               | 2.27            | 107.2 |
| 761      | 12/16/2011 09:16:20 | 8.21   | 49.48           | 32.03        | 10.25           | 7.88 | 4.5               | 2.23            | 107.1 |
| 762      | 12/16/2011 09:31:20 | 8.16   | 49.43           | 31.99        | 10.25           | 7.88 | 4.7               | 2.22            | 106.9 |
| 763      | 12/16/2011 09:46:20 | 8.12   | 49.35           | 31.93        | 10.19           | 7.88 | 4.5               | 2.21            | 106.2 |
| 764      | 12/16/2011 10:01:20 | 8.13   | 49.36           | 31.93        | 10.18           | 7.88 | 4.8               | 2.21            | 106.1 |
| 765      | 12/16/2011 10:16:20 | 8.18   | 49.43           | 31.99        | 10.23           | 7.88 | 4.6               | 2.24            | 106.7 |
| 766      | 12/16/2011 10:31:20 | 8.22   | 49.48           | 32.03        | 10.19           | 7.87 | 4.5               | 2.27            | 106.5 |
| 767      | 12/16/2011 10:46:20 | 8.30   | 49.52           | 32.07        | 10.23           | 7.88 | 4.5               | 2.32            | 107.1 |
| 768      | 12/16/2011 11:01:20 | 8.34   | 49.56           | 32.10        | 10.19           | 7.87 | 4.7               | 2.35            | 106.9 |
| 769      | 12/16/2011 11:16:20 | 8.27   | 49.37           | 31.96        | 10.22           | 7.87 | 5.1               | 2.42            | 106.9 |
| 770      | 12/16/2011 11:31:20 | 8.28   | 49.42           | 31.99        | 10.19           | 7.87 | 4.7               | 2.47            | 106.6 |
| 771      | 12/16/2011 11:46:20 | 8.34   | 49.57           | 32.10        | 10.18           | 7.87 | 4.8               | 2.53            | 106.7 |
| 772      | 12/16/2011 12:01:20 | 8.40   | 49.70           | 32.20        | 10.14           | 7.87 | 4.4               | 2.59            | 106.6 |
| 773      | 12/16/2011 12:16:20 | 8.44   | 49.78           | 32.26        | 10.10           | 7.87 | 4.6               | 2.64            | 106.2 |
| 774      | 12/16/2011 12:31:20 | 8.49   | 49.83           | 32.30        | 10.08           | 7.86 | 4.5               | 2.69            | 106.1 |
| 775      | 12/16/2011 12:46:20 | 8.55   | 49.95           | 32.39        | 10.08           | 7.86 | 4.2               | 2.75            | 106.3 |
| 776      | 12/16/2011 13:01:20 | 8.66   | 50.05           | 32.48        | 10.10           | 7.87 | 4.0               | 2.80            | 106.9 |
| 777      | 12/16/2011 13:16:20 | 8.71   | 50.08           | 32.50        | 10.11           | 7.87 | 3.8               | 2.85            | 107.2 |
| 778      | 12/16/2011 13:31:20 | 8.76   | 50.09           | 32.52        | 10.14           | 7.87 | 3.8               | 2.91            | 107.6 |
| 779      | 12/16/2011 13:46:20 | 8.78   | 50.10           | 32.53        | 10.13           | 7.87 | 3.8               | 2.96            | 107.6 |
| 780      | 12/16/2011 14:01:20 | 8.81   | 50.13           | 32.54        | 10.13           | 7.87 | 3.8               | 3.02            | 107.6 |
| 781      | 12/16/2011 14:16:20 | 8.84   | 50.20           | 32.60        | 10.11           | 7.87 | 3.8               | 3.07            | 107.5 |
| 782      | 12/16/2011 14:31:20 | 8.87   | 50.26           | 32.64        | 10.08           | 7.86 | 3.8               | 3.11            | 107.4 |
| 783      | 12/16/2011 14:46:20 | 8.89   | 50.30           | 32.68        | 10.07           | 7.86 | 3.9               | 3.16            | 107.3 |
| 784      | 12/16/2011 15:01:20 | 8.91   | 50.33           | 32.70        | 10.06           | 7.86 | 3.8               | 3.19            | 107.2 |
| 785      | 12/16/2011 15:16:20 | 8.91   | 50.34           | 32.71        | 10.00           | 7.86 | 3.4               | 3.21            | 106.6 |
| 786      | 12/16/2011 15:31:20 | 8.92   | 50.34           | 32.71        | 9.96            | 7.86 | 2.7               | 3.23            | 106.2 |
| 787      | 12/16/2011 15:46:20 | 8.91   | 50.31           | 32.69        | 9.99            | 7.86 | 3.0               | 3.22            | 106.4 |
| 788      | 12/16/2011 16:01:20 | 8.91   | 50.34           | 32.70        | 9.98            | 7.86 | 3.7               | 3.21            | 106.4 |
| 789      | 12/16/2011 16:16:20 | 8.91   | 50.32           | 32.69        | 10.01           | 7.86 | 3.4               | 3.17            | 106.7 |
| 790      | 12/16/2011 16:31:20 | 8.91   | 50.32           | 32.69        | 10.02           | 7.86 | 3.9               | 3.11            | 106.8 |
| 791      | 12/16/2011 16:46:20 | 8.94   | 50.19           | 32.60        | 10.20           | 7.87 | 4.6               | 3.05            | 108.7 |
| 792      | 12/16/2011 17:01:20 | 8.91   | 50.08           | 32.52        | 10.26           | 7.88 | 4.2               | 2.98            | 109.3 |
| 793      | 12/16/2011 17:16:20 | 8.80   | 50.12           | 32.54        | 10.14           | 7.88 | 3.8               | 2.90            | 107.7 |
| 794      | 12/16/2011 17:31:20 | 8.77   | 50.13           | 32.55        | 10.12           | 7.87 | 3.8               | 2.80            | 107.4 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 795      | 12/16/2011 17:46:20 | 8.82   | 49.97           | 32.43        | 10.30           | 7.89 | 4.5               | 2.73            | 109.4 |
| 796      | 12/16/2011 18:01:20 | 8.85   | 49.84           | 32.34        | 10.47           | 7.90 | 4.5               | 2.64            | 111.2 |
| 797      | 12/16/2011 18:16:20 | 8.88   | 49.75           | 32.28        | 10.67           | 7.91 | 4.3               | 2.55            | 113.3 |
| 798      | 12/16/2011 18:31:20 | 8.86   | 49.72           | 32.25        | 10.79           | 7.92 | 4.0               | 2.46            | 114.5 |
| 799      | 12/16/2011 18:46:20 | 8.73   | 49.75           | 32.26        | 10.57           | 7.90 | 4.6               | 2.35            | 111.9 |
| 800      | 12/16/2011 19:01:20 | 8.64   | 49.75           | 32.26        | 10.36           | 7.89 | 5.6               | 2.25            | 109.5 |
| 801      | 12/16/2011 19:16:20 | 8.60   | 49.76           | 32.26        | 10.32           | 7.89 | 5.3               | 2.14            | 108.9 |
| 802      | 12/16/2011 19:31:20 | 8.59   | 49.65           | 32.18        | 10.42           | 7.90 | 5.1               | 2.04            | 109.9 |
| 803      | 12/16/2011 19:46:20 | 8.55   | 49.64           | 32.18        | 10.43           | 7.90 | 5.1               | 1.96            | 109.9 |
| 804      | 12/16/2011 20:01:19 | 8.55   | 49.54           | 32.10        | 10.56           | 7.91 | 5.2               | 1.85            | 111.2 |
| 805      | 12/16/2011 20:16:20 | 8.52   | 49.53           | 32.09        | 10.66           | 7.91 | 5.2               | 1.77            | 112.2 |
| 806      | 12/16/2011 20:31:20 | 8.51   | 49.46           | 32.04        | 10.76           | 7.92 | 6.5               | 1.69            | 113.2 |
| 807      | 12/16/2011 20:46:20 | 8.51   | 49.40           | 32.00        | 10.92           | 7.93 | 5.1               | 1.64            | 114.8 |
| 808      | 12/16/2011 21:01:20 | 8.48   | 49.34           | 31.95        | 11.04           | 7.94 | 4.6               | 1.59            | 116.0 |
| 809      | 12/16/2011 21:16:20 | 8.42   | 49.27           | 31.90        | 11.22           | 7.95 | 4.2               | 1.53            | 117.7 |
| 810      | 12/16/2011 21:31:20 | 8.41   | 49.21           | 31.85        | 11.32           | 7.96 | 4.2               | 1.50            | 118.6 |
| 811      | 12/16/2011 21:46:20 | 8.39   | 49.20           | 31.84        | 11.27           | 7.96 | 4.3               | 1.49            | 118.1 |
| 812      | 12/16/2011 22:01:20 | 8.41   | 49.23           | 31.87        | 11.24           | 7.96 | 4.3               | 1.53            | 117.8 |
| 813      | 12/16/2011 22:16:20 | 8.44   | 49.25           | 31.88        | 11.28           | 7.96 | 3.9               | 1.54            | 118.3 |
| 814      | 12/16/2011 22:31:20 | 8.47   | 49.27           | 31.90        | 11.21           | 7.95 | 4.0               | 1.59            | 117.7 |
| 815      | 12/16/2011 22:46:20 | 8.47   | 49.24           | 31.88        | 11.27           | 7.96 | 3.9               | 1.64            | 118.3 |
| 816      | 12/16/2011 23:01:20 | 8.48   | 49.26           | 31.89        | 11.20           | 7.95 | 4.2               | 1.70            | 117.7 |
| 817      | 12/16/2011 23:16:20 | 8.45   | 49.03           | 31.73        | 11.02           | 7.93 | 4.8               | 1.77            | 115.6 |
| 818      | 12/16/2011 23:31:20 | 8.46   | 49.03           | 31.73        | 11.00           | 7.93 | 4.5               | 1.85            | 115.4 |
| 819      | 12/16/2011 23:46:20 | 8.45   | 48.96           | 31.68        | 10.88           | 7.92 | 4.8               | 1.94            | 114.1 |
| 820      | 12/17/2011 00:01:20 | 8.40   | 48.87           | 31.61        | 10.81           | 7.91 | 4.7               | 2.01            | 113.1 |
| 821      | 12/17/2011 00:16:20 | 8.49   | 49.12           | 31.79        | 10.79           | 7.92 | 4.4               | 2.08            | 113.3 |
| 822      | 12/17/2011 00:31:20 | 8.58   | 49.37           | 31.98        | 10.65           | 7.91 | 4.3               | 2.17            | 112.2 |
| 823      | 12/17/2011 00:46:20 | 8.62   | 49.49           | 32.07        | 10.55           | 7.90 | 4.2               | 2.27            | 111.3 |
| 824      | 12/17/2011 01:01:20 | 8.63   | 49.63           | 32.18        | 10.39           | 7.89 | 4.2               | 2.34            | 109.7 |
| 825      | 12/17/2011 01:16:20 | 8.65   | 49.72           | 32.24        | 10.29           | 7.88 | 4.3               | 2.42            | 108.7 |
| 826      | 12/17/2011 01:31:20 | 8.66   | 49.75           | 32.26        | 10.28           | 7.88 | 4.5               | 2.52            | 108.7 |
| 827      | 12/17/2011 01:46:20 | 8.67   | 49.78           | 32.28        | 10.28           | 7.88 | 4.8               | 2.60            | 108.7 |
| 828      | 12/17/2011 02:01:20 | 8.68   | 49.84           | 32.33        | 10.23           | 7.88 | 5.1               | 2.68            | 108.2 |
| 829      | 12/17/2011 02:16:20 | 8.70   | 49.87           | 32.35        | 10.19           | 7.87 | 5.8               | 2.77            | 107.9 |
| 830      | 12/17/2011 02:31:20 | 8.73   | 49.97           | 32.42        | 10.18           | 7.87 | 5.4               | 2.86            | 107.9 |
| 831      | 12/17/2011 02:46:20 | 8.76   | 50.02           | 32.47        | 10.15           | 7.87 | 5.9               | 2.94            | 107.7 |
| 832      | 12/17/2011 03:01:20 | 8.80   | 50.16           | 32.57        | 10.13           | 7.86 | 7.4               | 3.02            | 107.6 |
| 833      | 12/17/2011 03:16:20 | 8.84   | 50.26           | 32.64        | 10.10           | 7.86 | 7.0               | 3.11            | 107.5 |
| 834      | 12/17/2011 03:31:20 | 8.89   | 50.41           | 32.76        | 10.06           | 7.86 | 7.1               | 3.19            | 107.2 |
| 835      | 12/17/2011 03:46:20 | 8.94   | 50.51           | 32.83        | 10.05           | 7.86 | 7.0               | 3.25            | 107.3 |
| 836      | 12/17/2011 04:01:20 | 8.97   | 50.58           | 32.88        | 10.03           | 7.86 | 6.0               | 3.32            | 107.2 |
| 837      | 12/17/2011 04:16:20 | 8.98   | 50.62           | 32.92        | 9.98            | 7.86 | 5.3               | 3.39            | 106.7 |
| 838      | 12/17/2011 04:31:20 | 8.99   | 50.65           | 32.93        | 9.96            | 7.85 | 5.1               | 3.44            | 106.5 |
| 839      | 12/17/2011 04:46:20 | 9.00   | 50.67           | 32.95        | 9.92            | 7.85 | 3.8               | 3.47            | 106.1 |
| 840      | 12/17/2011 05:01:20 | 9.01   | 50.67           | 32.95        | 9.89            | 7.85 | 4.1               | 3.49            | 105.8 |
| 841      | 12/17/2011 05:16:20 | 8.93   | 50.57           | 32.88        | 9.91            | 7.85 | 5.1               | 3.48            | 105.8 |
| 842      | 12/17/2011 05:31:20 | 8.97   | 50.63           | 32.92        | 9.91            | 7.85 | 4.7               | 3.47            | 105.9 |
| 843      | 12/17/2011 05:46:20 | 8.97   | 50.63           | 32.92        | 9.93            | 7.85 | 4.2               | 3.42            | 106.1 |
| 844      | 12/17/2011 06:01:20 | 8.94   | 50.57           | 32.87        | 9.95            | 7.85 | 5.1               | 3.39            | 106.2 |
| 845      | 12/17/2011 06:16:20 | 8.50   | 50.06           | 32.47        | 9.94            | 7.85 | 5.3               | 3.32            | 104.9 |
| 846      | 12/17/2011 06:31:20 | 8.61   | 50.29           | 32.65        | 9.97            | 7.85 | 4.5               | 3.24            | 105.5 |
| 847      | 12/17/2011 06:46:20 | 8.72   | 50.41           | 32.74        | 9.98            | 7.86 | 4.2               | 3.14            | 106.0 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 848      | 12/17/2011 07:01:20 | 8.71   | 50.38           | 32.72        | 9.95            | 7.85 | 3.5               | 3.07            | 105.6 |
| 849      | 12/17/2011 07:16:20 | 8.54   | 50.10           | 32.50        | 9.96            | 7.86 | 3.8               | 2.99            | 105.2 |
| 850      | 12/17/2011 07:31:20 | 8.51   | 50.02           | 32.45        | 10.00           | 7.86 | 5.0               | 2.90            | 105.4 |
| 851      | 12/17/2011 07:46:20 | 8.47   | 49.97           | 32.40        | 9.99            | 7.86 | 4.2               | 2.82            | 105.3 |
| 852      | 12/17/2011 08:01:20 | 8.44   | 49.93           | 32.37        | 9.99            | 7.86 | 3.7               | 2.74            | 105.2 |
| 853      | 12/17/2011 08:16:20 | 8.40   | 49.85           | 32.31        | 9.99            | 7.86 | 3.7               | 2.66            | 105.0 |
| 854      | 12/17/2011 08:31:20 | 8.43   | 49.96           | 32.39        | 10.01           | 7.86 | 3.7               | 2.59            | 105.4 |
| 855      | 12/17/2011 08:46:20 | 8.48   | 50.08           | 32.48        | 10.05           | 7.86 | 3.5               | 2.51            | 106.0 |
| 856      | 12/17/2011 09:01:20 | 8.51   | 50.03           | 32.45        | 10.12           | 7.87 | 3.5               | 2.44            | 106.7 |
| 857      | 12/17/2011 09:16:20 | 8.49   | 49.94           | 32.38        | 10.17           | 7.87 | 3.4               | 2.38            | 107.2 |
| 858      | 12/17/2011 09:31:20 | 8.48   | 49.83           | 32.30        | 10.26           | 7.88 | 3.3               | 2.31            | 108.1 |
| 859      | 12/17/2011 09:46:20 | 8.46   | 49.76           | 32.25        | 10.34           | 7.88 | 3.4               | 2.24            | 108.8 |
| 860      | 12/17/2011 10:01:20 | 8.46   | 49.72           | 32.22        | 10.39           | 7.89 | 3.2               | 2.19            | 109.3 |
| 861      | 12/17/2011 10:16:20 | 8.44   | 49.63           | 32.16        | 10.48           | 7.90 | 3.1               | 2.15            | 110.2 |
| 862      | 12/17/2011 10:31:20 | 8.39   | 49.50           | 32.05        | 10.50           | 7.90 | 3.3               | 2.11            | 110.2 |
| 863      | 12/17/2011 10:46:20 | 8.32   | 49.42           | 31.99        | 10.50           | 7.90 | 3.1               | 2.08            | 109.9 |
| 864      | 12/17/2011 11:01:20 | 8.31   | 49.36           | 31.95        | 10.43           | 7.90 | 2.7               | 2.08            | 109.1 |
| 865      | 12/17/2011 11:16:20 | 8.38   | 49.36           | 31.96        | 10.59           | 7.90 | 2.9               | 2.10            | 111.0 |
| 866      | 12/17/2011 11:31:20 | 8.39   | 49.41           | 31.99        | 10.55           | 7.90 | 2.9               | 2.11            | 110.7 |
| 867      | 12/17/2011 11:46:20 | 8.45   | 49.47           | 32.04        | 10.48           | 7.89 | 3.0               | 2.13            | 110.1 |
| 868      | 12/17/2011 12:01:20 | 8.46   | 49.48           | 32.05        | 10.44           | 7.89 | 3.0               | 2.19            | 109.7 |
| 869      | 12/17/2011 12:16:20 | 8.47   | 49.50           | 32.07        | 10.38           | 7.88 | 3.2               | 2.25            | 109.1 |
| 870      | 12/17/2011 12:31:20 | 8.41   | 49.26           | 31.89        | 10.34           | 7.88 | 3.8               | 2.30            | 108.4 |
| 871      | 12/17/2011 12:46:20 | 8.43   | 49.33           | 31.94        | 10.28           | 7.87 | 4.3               | 2.37            | 107.9 |
| 872      | 12/17/2011 13:01:20 | 8.45   | 49.56           | 32.11        | 10.25           | 7.88 | 3.5               | 2.41            | 107.8 |
| 873      | 12/17/2011 13:16:20 | 8.49   | 49.62           | 32.15        | 10.25           | 7.88 | 3.3               | 2.45            | 107.8 |
| 874      | 12/17/2011 13:31:20 | 8.52   | 49.71           | 32.22        | 10.19           | 7.87 | 3.5               | 2.53            | 107.4 |
| 875      | 12/17/2011 13:46:20 | 8.54   | 49.78           | 32.27        | 10.15           | 7.87 | 3.7               | 2.58            | 107.0 |
| 876      | 12/17/2011 14:01:20 | 8.61   | 49.87           | 32.34        | 10.11           | 7.86 | 3.6               | 2.62            | 106.8 |
| 877      | 12/17/2011 14:16:20 | 8.69   | 49.96           | 32.42        | 10.11           | 7.86 | 3.5               | 2.71            | 107.0 |
| 878      | 12/17/2011 14:31:20 | 8.73   | 50.01           | 32.45        | 10.12           | 7.87 | 3.5               | 2.74            | 107.3 |
| 879      | 12/17/2011 14:46:20 | 8.76   | 50.04           | 32.48        | 10.12           | 7.87 | 3.3               | 2.80            | 107.4 |
| 880      | 12/17/2011 15:01:20 | 8.79   | 50.05           | 32.49        | 10.14           | 7.87 | 3.2               | 2.84            | 107.6 |
| 881      | 12/17/2011 15:16:20 | 8.80   | 50.05           | 32.48        | 10.14           | 7.87 | 3.3               | 2.86            | 107.7 |
| 882      | 12/17/2011 15:31:20 | 8.80   | 50.07           | 32.50        | 10.14           | 7.87 | 3.3               | 2.92            | 107.7 |
| 883      | 12/17/2011 15:46:20 | 8.81   | 50.10           | 32.53        | 10.13           | 7.87 | 3.2               | 2.98            | 107.6 |
| 884      | 12/17/2011 16:01:20 | 8.84   | 50.16           | 32.57        | 10.10           | 7.86 | 3.2               | 3.02            | 107.3 |
| 885      | 12/17/2011 16:16:20 | 8.86   | 50.19           | 32.60        | 10.09           | 7.86 | 3.3               | 3.06            | 107.3 |
| 886      | 12/17/2011 16:31:20 | 8.87   | 50.21           | 32.61        | 10.04           | 7.86 | 3.1               | 3.05            | 106.9 |
| 887      | 12/17/2011 16:46:20 | 8.87   | 50.16           | 32.57        | 10.04           | 7.87 | 3.2               | 3.08            | 106.8 |
| 888      | 12/17/2011 17:01:20 | 8.86   | 50.19           | 32.59        | 9.94            | 7.86 | 3.9               | 3.06            | 105.7 |
| 889      | 12/17/2011 17:16:20 | 8.86   | 50.20           | 32.60        | 9.98            | 7.86 | 4.0               | 3.05            | 106.2 |
| 890      | 12/17/2011 17:31:20 | 8.88   | 50.21           | 32.61        | 9.97            | 7.86 | 9.3               | 3.02            | 106.1 |
| 891      | 12/17/2011 17:46:20 | 8.87   | 50.17           | 32.58        | 10.02           | 7.86 | 6.7               | 2.93            | 106.6 |
| 892      | 12/17/2011 18:01:20 | 8.84   | 50.05           | 32.49        | 10.08           | 7.87 | 7.9               | 2.88            | 107.2 |
| 893      | 12/17/2011 18:16:20 | 8.85   | 49.97           | 32.44        | 10.18           | 7.88 | 5.3               | 2.79            | 108.2 |
| 894      | 12/17/2011 18:31:20 | 8.80   | 49.97           | 32.43        | 10.05           | 7.87 | 5.9               | 2.77            | 106.7 |
| 895      | 12/17/2011 18:46:20 | 8.79   | 50.01           | 32.46        | 9.96            | 7.86 | 3.6               | 2.67            | 105.7 |
| 896      | 12/17/2011 19:01:20 | 8.81   | 49.96           | 32.42        | 10.08           | 7.87 | 7.9               | 2.58            | 107.0 |
| 897      | 12/17/2011 19:16:20 | 8.85   | 49.89           | 32.37        | 10.21           | 7.88 | 5.9               | 2.52            | 108.5 |
| 898      | 12/17/2011 19:31:20 | 8.86   | 49.89           | 32.37        | 10.20           | 7.88 | 5.5               | 2.43            | 108.4 |
| 899      | 12/17/2011 19:46:20 | 8.93   | 49.71           | 32.26        | 10.55           | 7.91 | 8.8               | 2.36            | 112.2 |
| 900      | 12/17/2011 20:01:20 | 8.85   | 49.78           | 32.30        | 10.26           | 7.89 | 3.7               | 2.26            | 108.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 901      | 12/17/2011 20:16:20 | 8.77   | 49.71           | 32.24        | 10.25           | 7.89 | 8.3               | 2.17            | 108.6 |
| 902      | 12/17/2011 20:31:20 | 8.76   | 49.70           | 32.24        | 10.31           | 7.89 | 8.0               | 2.09            | 109.2 |
| 903      | 12/17/2011 20:46:20 | 8.74   | 49.64           | 32.19        | 10.37           | 7.90 | 5.6               | 2.04            | 109.7 |
| 904      | 12/17/2011 21:01:20 | 8.77   | 49.63           | 32.18        | 10.48           | 7.90 | 12.8              | 1.94            | 111.0 |
| 905      | 12/17/2011 21:16:20 | 8.77   | 49.53           | 32.11        | 10.74           | 7.92 | 4.9               | 1.85            | 113.7 |
| 906      | 12/17/2011 21:31:20 | 8.78   | 49.43           | 32.04        | 11.08           | 7.95 | 9.9               | 1.85            | 117.3 |
| 907      | 12/17/2011 21:46:20 | 8.80   | 49.40           | 32.02        | 11.21           | 7.96 | 7.2               | 1.78            | 118.6 |
| 908      | 12/17/2011 22:01:20 | 8.81   | 49.33           | 31.97        | 11.41           | 7.97 | 3.5               | 1.76            | 120.8 |
| 909      | 12/17/2011 22:16:20 | 8.80   | 49.31           | 31.95        | 11.45           | 7.98 | 3.3               | 1.73            | 121.2 |
| 910      | 12/17/2011 22:31:20 | 8.81   | 49.31           | 31.96        | 11.36           | 7.97 | 3.2               | 1.71            | 120.3 |
| 911      | 12/17/2011 22:46:20 | 8.80   | 49.33           | 31.97        | 11.49           | 7.98 | 3.7               | 1.75            | 121.6 |
| 912      | 12/17/2011 23:01:20 | 8.79   | 49.29           | 31.94        | 11.60           | 7.98 | 6.2               | 1.74            | 122.7 |
| 913      | 12/17/2011 23:16:20 | 8.78   | 49.32           | 31.96        | 11.47           | 7.97 | 3.3               | 1.83            | 121.3 |
| 914      | 12/17/2011 23:31:20 | 8.76   | 49.32           | 31.96        | 11.41           | 7.97 | 12.3              | 1.81            | 120.6 |
| 915      | 12/17/2011 23:46:20 | 8.75   | 49.33           | 31.97        | 11.38           | 7.96 | 6.8               | 1.90            | 120.3 |
| 916      | 12/18/2011 00:01:20 | 8.73   | 49.22           | 31.88        | 11.15           | 7.94 | 3.8               | 1.97            | 117.8 |
| 917      | 12/18/2011 00:16:20 | 8.72   | 49.17           | 31.85        | 11.02           | 7.93 | 14.2              | 2.00            | 116.3 |
| 918      | 12/18/2011 00:31:20 | 8.70   | 49.14           | 31.83        | 10.90           | 7.92 | 6.7               | 2.10            | 115.0 |
| 919      | 12/18/2011 00:46:20 | 8.70   | 49.16           | 31.84        | 10.82           | 7.92 | 3.8               | 2.17            | 114.1 |
| 920      | 12/18/2011 01:01:20 | 8.71   | 49.30           | 31.94        | 10.74           | 7.91 | 3.7               | 2.27            | 113.4 |
| 921      | 12/18/2011 01:16:20 | 8.73   | 49.48           | 32.07        | 10.52           | 7.90 | 3.7               | 2.30            | 111.3 |
| 922      | 12/18/2011 01:31:20 | 8.75   | 49.61           | 32.16        | 10.37           | 7.89 | 3.7               | 2.42            | 109.8 |
| 923      | 12/18/2011 01:46:20 | 8.75   | 49.68           | 32.22        | 10.29           | 7.88 | 3.7               | 2.50            | 109.0 |
| 924      | 12/18/2011 02:01:20 | 8.77   | 49.82           | 32.32        | 10.19           | 7.87 | 3.7               | 2.58            | 108.0 |
| 925      | 12/18/2011 02:16:20 | 8.77   | 49.85           | 32.34        | 10.16           | 7.87 | 4.1               | 2.65            | 107.8 |
| 926      | 12/18/2011 02:31:20 | 8.78   | 49.90           | 32.38        | 10.15           | 7.87 | 4.3               | 2.73            | 107.6 |
| 927      | 12/18/2011 02:46:20 | 8.82   | 49.96           | 32.42        | 10.12           | 7.87 | 4.5               | 2.85            | 107.5 |
| 928      | 12/18/2011 03:01:20 | 8.85   | 49.94           | 32.41        | 10.09           | 7.87 | 5.2               | 2.92            | 107.3 |
| 929      | 12/18/2011 03:16:20 | 8.88   | 50.03           | 32.48        | 10.09           | 7.86 | 5.1               | 3.01            | 107.3 |
| 930      | 12/18/2011 03:31:20 | 8.92   | 50.17           | 32.58        | 10.04           | 7.86 | 6.3               | 3.12            | 107.0 |
| 931      | 12/18/2011 03:46:20 | 8.96   | 50.30           | 32.68        | 10.00           | 7.85 | 7.5               | 3.15            | 106.8 |
| 932      | 12/18/2011 04:01:19 | 9.02   | 50.44           | 32.79        | 9.96            | 7.85 | 7.3               | 3.24            | 106.5 |
| 933      | 12/18/2011 04:16:20 | 9.08   | 50.56           | 32.88        | 9.95            | 7.85 | 7.3               | 3.32            | 106.6 |
| 934      | 12/18/2011 04:31:20 | 9.15   | 50.68           | 32.97        | 10.00           | 7.84 | 6.2               | 3.38            | 107.3 |
| 935      | 12/18/2011 04:46:20 | 9.17   | 50.72           | 33.01        | 10.09           | 7.84 | 5.8               | 3.49            | 108.3 |
| 936      | 12/18/2011 05:01:20 | 9.24   | 50.83           | 33.09        | 10.25           | 7.85 | 5.3               | 3.52            | 110.3 |
| 937      | 12/18/2011 05:16:20 | 9.27   | 50.86           | 33.11        | 10.30           | 7.85 | 4.6               | 3.59            | 110.9 |
| 938      | 12/18/2011 05:31:20 | 9.28   | 50.88           | 33.13        | 10.28           | 7.85 | 4.6               | 3.61            | 110.7 |
| 939      | 12/18/2011 05:46:20 | 9.20   | 50.68           | 32.97        | 10.16           | 7.84 | 4.2               | 3.61            | 109.2 |
| 940      | 12/18/2011 06:01:20 | 9.21   | 50.72           | 33.01        | 10.08           | 7.84 | 4.0               | 3.58            | 108.4 |
| 941      | 12/18/2011 06:16:20 | 9.25   | 50.83           | 33.09        | 10.17           | 7.84 | 4.2               | 3.58            | 109.5 |
| 942      | 12/18/2011 06:31:20 | 9.22   | 50.75           | 33.03        | 10.13           | 7.84 | 4.0               | 3.53            | 108.9 |
| 943      | 12/18/2011 06:46:20 | 9.08   | 50.49           | 32.83        | 10.01           | 7.84 | 4.2               | 3.50            | 107.2 |
| 944      | 12/18/2011 07:01:19 | 8.90   | 50.23           | 32.63        | 9.82            | 7.84 | 4.5               | 3.41            | 104.6 |
| 945      | 12/18/2011 07:16:20 | 9.03   | 50.53           | 32.85        | 9.90            | 7.84 | 4.5               | 3.35            | 106.0 |
| 946      | 12/18/2011 07:31:20 | 9.04   | 50.55           | 32.87        | 9.96            | 7.84 | 3.9               | 3.26            | 106.6 |
| 947      | 12/18/2011 07:46:20 | 8.95   | 50.35           | 32.72        | 9.86            | 7.84 | 3.6               | 3.17            | 105.2 |
| 948      | 12/18/2011 08:01:20 | 8.89   | 50.17           | 32.59        | 9.86            | 7.85 | 3.7               | 3.07            | 105.0 |
| 949      | 12/18/2011 08:16:20 | 8.88   | 50.10           | 32.53        | 9.87            | 7.85 | 4.3               | 3.00            | 105.0 |
| 950      | 12/18/2011 08:31:20 | 8.88   | 50.11           | 32.54        | 9.89            | 7.85 | 4.2               | 2.92            | 105.3 |
| 951      | 12/18/2011 08:46:20 | 8.84   | 50.00           | 32.46        | 9.85            | 7.85 | 4.0               | 2.85            | 104.7 |
| 952      | 12/18/2011 09:01:20 | 8.83   | 49.98           | 32.44        | 9.90            | 7.85 | 3.9               | 2.74            | 105.2 |
| 953      | 12/18/2011 09:16:20 | 8.87   | 50.12           | 32.54        | 9.89            | 7.85 | 3.4               | 2.66            | 105.2 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 954      | 12/18/2011 09:31:20 | 8.88   | 50.11           | 32.54        | 9.95            | 7.85 | 3.6               | 2.56            | 105.9 |
| 955      | 12/18/2011 09:46:20 | 8.86   | 50.02           | 32.47        | 9.99            | 7.86 | 3.4               | 2.48            | 106.2 |
| 956      | 12/18/2011 10:01:20 | 8.87   | 50.04           | 32.49        | 10.04           | 7.86 | 3.3               | 2.36            | 106.8 |
| 957      | 12/18/2011 10:16:20 | 8.83   | 49.88           | 32.37        | 10.16           | 7.87 | 3.4               | 2.29            | 107.9 |
| 958      | 12/18/2011 10:31:20 | 8.85   | 49.85           | 32.34        | 10.23           | 7.88 | 3.4               | 2.21            | 108.6 |
| 959      | 12/18/2011 10:46:20 | 8.83   | 49.76           | 32.28        | 10.35           | 7.89 | 3.3               | 2.12            | 109.8 |
| 960      | 12/18/2011 11:01:20 | 8.84   | 49.71           | 32.25        | 10.50           | 7.90 | 3.0               | 2.05            | 111.4 |
| 961      | 12/18/2011 11:16:20 | 8.84   | 49.66           | 32.21        | 10.58           | 7.91 | 3.0               | 2.00            | 112.2 |
| 962      | 12/18/2011 11:31:20 | 8.84   | 49.59           | 32.16        | 10.62           | 7.91 | 2.9               | 1.94            | 112.6 |
| 963      | 12/18/2011 11:46:20 | 8.83   | 49.53           | 32.12        | 10.70           | 7.92 | 2.7               | 1.88            | 113.4 |
| 964      | 12/18/2011 12:01:20 | 8.84   | 49.49           | 32.09        | 10.65           | 7.92 | 2.7               | 1.87            | 112.9 |
| 965      | 12/18/2011 12:16:20 | 8.82   | 49.41           | 32.03        | 10.65           | 7.92 | 2.3               | 1.86            | 112.8 |
| 966      | 12/18/2011 12:31:20 | 8.81   | 49.38           | 32.01        | 10.75           | 7.92 | 2.5               | 1.88            | 113.8 |
| 967      | 12/18/2011 12:46:20 | 8.81   | 49.36           | 31.99        | 10.80           | 7.93 | 2.4               | 1.88            | 114.3 |
| 968      | 12/18/2011 13:01:20 | 8.80   | 49.37           | 32.00        | 10.71           | 7.92 | 2.5               | 1.93            | 113.3 |
| 969      | 12/18/2011 13:16:20 | 8.80   | 49.37           | 32.00        | 10.68           | 7.92 | 2.6               | 2.01            | 113.0 |
| 970      | 12/18/2011 13:31:20 | 8.81   | 49.39           | 32.01        | 10.63           | 7.91 | 2.6               | 2.05            | 112.6 |
| 971      | 12/18/2011 13:46:20 | 8.80   | 49.13           | 31.83        | 10.49           | 7.90 | 3.4               | 2.11            | 110.9 |
| 972      | 12/18/2011 14:01:20 | 8.81   | 49.10           | 31.80        | 10.44           | 7.89 | 3.5               | 2.19            | 110.4 |
| 973      | 12/18/2011 14:16:20 | 8.80   | 49.16           | 31.85        | 10.39           | 7.89 | 3.4               | 2.25            | 109.9 |
| 974      | 12/18/2011 14:31:20 | 8.79   | 49.39           | 32.01        | 10.36           | 7.89 | 3.1               | 2.32            | 109.6 |
| 975      | 12/18/2011 14:46:20 | 8.80   | 49.53           | 32.11        | 10.26           | 7.88 | 3.2               | 2.39            | 108.7 |
| 976      | 12/18/2011 15:01:20 | 8.81   | 49.59           | 32.16        | 10.18           | 7.87 | 3.1               | 2.42            | 107.9 |
| 977      | 12/18/2011 15:16:20 | 8.83   | 49.70           | 32.24        | 10.10           | 7.87 | 3.4               | 2.50            | 107.2 |
| 978      | 12/18/2011 15:31:20 | 8.86   | 49.80           | 32.32        | 10.08           | 7.86 | 3.2               | 2.54            | 107.0 |
| 979      | 12/18/2011 15:46:20 | 8.87   | 49.88           | 32.37        | 10.05           | 7.86 | 3.2               | 2.61            | 106.9 |
| 980      | 12/18/2011 16:01:20 | 8.88   | 49.91           | 32.39        | 10.05           | 7.86 | 3.0               | 2.65            | 106.8 |
| 981      | 12/18/2011 16:16:20 | 8.88   | 49.93           | 32.41        | 10.06           | 7.86 | 3.1               | 2.69            | 106.9 |
| 982      | 12/18/2011 16:31:20 | 8.88   | 49.93           | 32.41        | 10.06           | 7.86 | 2.9               | 2.75            | 106.9 |
| 983      | 12/18/2011 16:46:20 | 8.88   | 49.94           | 32.41        | 10.05           | 7.86 | 3.0               | 2.78            | 106.9 |
| 984      | 12/18/2011 17:01:20 | 8.89   | 49.95           | 32.42        | 10.03           | 7.86 | 3.0               | 2.83            | 106.6 |
| 985      | 12/18/2011 17:16:20 | 8.90   | 50.00           | 32.46        | 10.00           | 7.86 | 3.1               | 2.85            | 106.4 |
| 986      | 12/18/2011 17:31:20 | 8.91   | 50.03           | 32.48        | 9.99            | 7.86 | 3.1               | 2.88            | 106.4 |
| 987      | 12/18/2011 17:46:20 | 8.92   | 50.05           | 32.50        | 9.95            | 7.85 | 2.9               | 2.91            | 106.0 |
| 988      | 12/18/2011 18:01:20 | 8.91   | 50.07           | 32.51        | 9.85            | 7.85 | 2.7               | 2.93            | 104.8 |
| 989      | 12/18/2011 18:16:20 | 8.92   | 50.02           | 32.48        | 9.81            | 7.85 | 3.3               | 2.93            | 104.5 |
| 990      | 12/18/2011 18:31:20 | 8.92   | 50.04           | 32.49        | 9.87            | 7.85 | 2.9               | 2.92            | 105.1 |
| 991      | 12/18/2011 18:46:20 | 8.93   | 50.08           | 32.52        | 9.86            | 7.85 | 2.9               | 2.89            | 105.0 |
| 992      | 12/18/2011 19:01:20 | 8.92   | 50.04           | 32.49        | 9.85            | 7.85 | 2.9               | 2.85            | 104.8 |
| 993      | 12/18/2011 19:16:20 | 8.90   | 49.97           | 32.44        | 9.87            | 7.85 | 3.4               | 2.79            | 105.0 |
| 994      | 12/18/2011 19:31:20 | 8.89   | 49.85           | 32.35        | 9.95            | 7.86 | 3.2               | 2.73            | 105.8 |
| 995      | 12/18/2011 19:46:20 | 8.89   | 49.85           | 32.35        | 9.99            | 7.87 | 3.2               | 2.68            | 106.2 |
| 996      | 12/18/2011 20:01:20 | 8.87   | 49.84           | 32.34        | 9.92            | 7.86 | 3.2               | 2.61            | 105.3 |
| 997      | 12/18/2011 20:16:20 | 8.83   | 49.85           | 32.35        | 9.83            | 7.86 | 3.1               | 2.54            | 104.4 |
| 998      | 12/18/2011 20:31:20 | 8.80   | 49.83           | 32.33        | 9.80            | 7.85 | 3.2               | 2.48            | 104.0 |
| 999      | 12/18/2011 20:46:20 | 8.80   | 49.80           | 32.31        | 9.88            | 7.86 | 3.1               | 2.42            | 104.8 |
| 1000     | 12/18/2011 21:01:20 | 8.78   | 49.75           | 32.27        | 9.95            | 7.87 | 3.0               | 2.33            | 105.4 |
| 1001     | 12/18/2011 21:16:20 | 8.78   | 49.66           | 32.20        | 10.03           | 7.87 | 3.1               | 2.27            | 106.2 |
| 1002     | 12/18/2011 21:31:20 | 8.77   | 49.64           | 32.19        | 10.01           | 7.87 | 3.2               | 2.21            | 106.0 |
| 1003     | 12/18/2011 21:46:20 | 8.76   | 49.60           | 32.16        | 10.01           | 7.87 | 3.2               | 2.14            | 105.9 |
| 1004     | 12/18/2011 22:01:20 | 8.73   | 49.61           | 32.17        | 9.95            | 7.87 | 3.0               | 2.07            | 105.3 |
| 1005     | 12/18/2011 22:16:20 | 8.73   | 49.60           | 32.16        | 9.98            | 7.87 | 3.1               | 2.02            | 105.6 |
| 1006     | 12/18/2011 22:31:20 | 8.75   | 49.55           | 32.12        | 10.11           | 7.88 | 3.1               | 1.99            | 106.9 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1007     | 12/18/2011 22:46:20 | 8.76   | 49.49           | 32.09        | 10.24           | 7.89 | 2.9               | 1.93            | 108.4 |
| 1008     | 12/18/2011 23:01:20 | 8.75   | 49.50           | 32.09        | 10.27           | 7.90 | 3.0               | 1.89            | 108.7 |
| 1009     | 12/18/2011 23:16:20 | 8.78   | 49.40           | 32.02        | 10.42           | 7.91 | 2.7               | 1.90            | 110.3 |
| 1010     | 12/18/2011 23:31:20 | 8.77   | 49.38           | 32.00        | 10.49           | 7.92 | 2.5               | 1.87            | 111.0 |
| 1011     | 12/18/2011 23:46:20 | 8.73   | 49.40           | 32.02        | 10.50           | 7.91 | 2.7               | 1.87            | 111.0 |
| 1012     | 12/19/2011 00:01:20 | 8.74   | 49.39           | 32.01        | 10.57           | 7.91 | 2.4               | 1.91            | 111.8 |
| 1013     | 12/19/2011 00:16:20 | 8.74   | 49.43           | 32.04        | 10.44           | 7.90 | 2.5               | 1.94            | 110.4 |
| 1014     | 12/19/2011 00:31:20 | 8.73   | 49.43           | 32.04        | 10.36           | 7.90 | 2.7               | 1.98            | 109.6 |
| 1015     | 12/19/2011 00:46:20 | 8.72   | 49.45           | 32.05        | 10.30           | 7.89 | 3.1               | 2.03            | 108.9 |
| 1016     | 12/19/2011 01:01:20 | 8.73   | 49.31           | 31.95        | 10.25           | 7.88 | 3.4               | 2.11            | 108.3 |
| 1017     | 12/19/2011 01:16:21 | 8.74   | 49.23           | 31.89        | 10.24           | 7.88 | 3.7               | 2.19            | 108.1 |
| 1018     | 12/19/2011 01:31:20 | 8.74   | 49.22           | 31.89        | 10.21           | 7.88 | 3.5               | 2.25            | 107.9 |
| 1019     | 12/19/2011 01:46:20 | 8.77   | 49.38           | 32.00        | 10.18           | 7.87 | 3.4               | 2.34            | 107.7 |
| 1020     | 12/19/2011 02:01:20 | 8.78   | 49.47           | 32.07        | 10.13           | 7.87 | 3.3               | 2.41            | 107.3 |
| 1021     | 12/19/2011 02:16:20 | 8.81   | 49.60           | 32.17        | 10.10           | 7.87 | 3.2               | 2.47            | 107.0 |
| 1022     | 12/19/2011 02:31:20 | 8.83   | 49.73           | 32.26        | 10.02           | 7.86 | 3.3               | 2.58            | 106.4 |
| 1023     | 12/19/2011 02:46:20 | 8.84   | 49.86           | 32.35        | 9.98            | 7.86 | 3.4               | 2.64            | 105.9 |
| 1024     | 12/19/2011 03:01:20 | 8.85   | 49.90           | 32.38        | 9.99            | 7.86 | 3.5               | 2.72            | 106.1 |
| 1025     | 12/19/2011 03:16:20 | 8.85   | 49.94           | 32.41        | 9.99            | 7.86 | 3.5               | 2.79            | 106.2 |
| 1026     | 12/19/2011 03:31:20 | 8.87   | 50.01           | 32.46        | 9.97            | 7.85 | 4.1               | 2.89            | 106.1 |
| 1027     | 12/19/2011 03:46:20 | 8.89   | 50.08           | 32.52        | 9.95            | 7.85 | 4.7               | 2.96            | 105.9 |
| 1028     | 12/19/2011 04:01:20 | 8.92   | 50.16           | 32.57        | 9.94            | 7.85 | 4.9               | 3.05            | 105.9 |
| 1029     | 12/19/2011 04:16:20 | 8.96   | 50.22           | 32.63        | 9.96            | 7.84 | 5.9               | 3.13            | 106.2 |
| 1030     | 12/19/2011 04:31:20 | 9.03   | 50.34           | 32.71        | 10.00           | 7.84 | 6.4               | 3.23            | 106.9 |
| 1031     | 12/19/2011 04:46:20 | 9.09   | 50.49           | 32.83        | 10.04           | 7.84 | 7.2               | 3.31            | 107.6 |
| 1032     | 12/19/2011 05:01:20 | 9.13   | 50.57           | 32.89        | 10.07           | 7.84 | 6.7               | 3.39            | 108.0 |
| 1033     | 12/19/2011 05:16:20 | 9.20   | 50.67           | 32.97        | 10.14           | 7.84 | 6.4               | 3.49            | 109.0 |
| 1034     | 12/19/2011 05:31:20 | 9.26   | 50.75           | 33.03        | 10.23           | 7.84 | 6.1               | 3.54            | 110.1 |
| 1035     | 12/19/2011 05:46:20 | 9.27   | 50.78           | 33.06        | 10.24           | 7.84 | 5.4               | 3.59            | 110.2 |
| 1036     | 12/19/2011 06:01:20 | 9.27   | 50.81           | 33.07        | 10.27           | 7.85 | 4.7               | 3.65            | 110.6 |
| 1037     | 12/19/2011 06:16:20 | 9.26   | 50.80           | 33.07        | 10.25           | 7.84 | 4.5               | 3.70            | 110.4 |
| 1038     | 12/19/2011 06:31:20 | 9.15   | 50.68           | 32.97        | 10.02           | 7.84 | 3.3               | 3.72            | 107.6 |
| 1039     | 12/19/2011 06:46:20 | 9.21   | 50.69           | 32.98        | 10.07           | 7.84 | 4.0               | 3.70            | 108.3 |
| 1040     | 12/19/2011 07:01:20 | 9.20   | 50.70           | 32.99        | 10.05           | 7.84 | 4.3               | 3.69            | 108.0 |
| 1041     | 12/19/2011 07:16:20 | 9.10   | 50.60           | 32.91        | 10.03           | 7.84 | 4.1               | 3.64            | 107.5 |
| 1042     | 12/19/2011 07:31:20 | 9.14   | 50.63           | 32.94        | 10.04           | 7.84 | 4.8               | 3.60            | 107.8 |
| 1043     | 12/19/2011 07:46:20 | 8.78   | 50.35           | 32.70        | 9.84            | 7.83 | 4.3               | 3.52            | 104.6 |
| 1044     | 12/19/2011 08:01:20 | 8.88   | 50.51           | 32.83        | 10.01           | 7.84 | 3.9               | 3.43            | 106.7 |
| 1045     | 12/19/2011 08:16:20 | 8.99   | 50.62           | 32.92        | 10.03           | 7.84 | 3.8               | 3.35            | 107.2 |
| 1046     | 12/19/2011 08:31:20 | 8.84   | 50.47           | 32.79        | 9.94            | 7.84 | 3.4               | 3.27            | 105.8 |
| 1047     | 12/19/2011 08:46:20 | 8.73   | 50.23           | 32.61        | 9.86            | 7.84 | 3.8               | 3.15            | 104.6 |
| 1048     | 12/19/2011 09:01:20 | 8.72   | 50.15           | 32.55        | 9.85            | 7.84 | 4.2               | 3.07            | 104.5 |
| 1049     | 12/19/2011 09:16:20 | 8.72   | 50.16           | 32.56        | 9.90            | 7.84 | 4.2               | 2.97            | 105.0 |
| 1050     | 12/19/2011 09:31:20 | 8.68   | 50.07           | 32.50        | 9.93            | 7.85 | 3.6               | 2.87            | 105.1 |
| 1051     | 12/19/2011 09:46:20 | 8.67   | 50.01           | 32.45        | 9.99            | 7.85 | 3.5               | 2.77            | 105.8 |
| 1052     | 12/19/2011 10:01:20 | 8.83   | 50.22           | 32.61        | 10.09           | 7.86 | 3.8               | 2.66            | 107.3 |
| 1053     | 12/19/2011 10:16:20 | 8.88   | 50.22           | 32.62        | 10.15           | 7.86 | 4.0               | 2.55            | 108.1 |
| 1054     | 12/19/2011 10:31:20 | 8.85   | 50.07           | 32.50        | 10.21           | 7.87 | 3.7               | 2.44            | 108.5 |
| 1055     | 12/19/2011 10:46:20 | 8.84   | 49.99           | 32.45        | 10.26           | 7.87 | 3.7               | 2.34            | 109.1 |
| 1056     | 12/19/2011 11:01:20 | 8.92   | 49.93           | 32.41        | 10.46           | 7.89 | 3.5               | 2.23            | 111.3 |
| 1057     | 12/19/2011 11:16:20 | 8.88   | 49.84           | 32.34        | 10.50           | 7.89 | 3.2               | 2.13            | 111.5 |
| 1058     | 12/19/2011 11:31:20 | 8.98   | 49.86           | 32.36        | 10.69           | 7.91 | 3.1               | 2.02            | 113.9 |
| 1059     | 12/19/2011 11:46:20 | 8.99   | 49.82           | 32.34        | 10.81           | 7.91 | 3.4               | 1.90            | 115.2 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1060     | 12/19/2011 12:01:20 | 8.99   | 49.76           | 32.29        | 11.00           | 7.93 | 3.8               | 1.82            | 117.2 |
| 1061     | 12/19/2011 12:16:20 | 8.90   | 49.64           | 32.20        | 10.89           | 7.93 | 3.2               | 1.75            | 115.7 |
| 1062     | 12/19/2011 12:31:20 | 8.90   | 49.57           | 32.15        | 10.97           | 7.94 | 3.0               | 1.66            | 116.5 |
| 1063     | 12/19/2011 12:46:20 | 8.83   | 49.47           | 32.08        | 10.99           | 7.94 | 2.9               | 1.62            | 116.5 |
| 1064     | 12/19/2011 13:01:20 | 8.87   | 49.38           | 32.01        | 11.09           | 7.96 | 3.1               | 1.61            | 117.6 |
| 1065     | 12/19/2011 13:16:20 | 8.85   | 49.35           | 31.99        | 11.09           | 7.96 | 2.7               | 1.58            | 117.5 |
| 1066     | 12/19/2011 13:31:20 | 8.94   | 49.45           | 32.07        | 11.14           | 7.95 | 2.7               | 1.60            | 118.3 |
| 1067     | 12/19/2011 13:46:20 | 8.89   | 49.48           | 32.08        | 11.03           | 7.94 | 2.6               | 1.63            | 117.0 |
| 1068     | 12/19/2011 14:01:20 | 8.85   | 49.47           | 32.07        | 10.95           | 7.94 | 2.8               | 1.66            | 116.1 |
| 1069     | 12/19/2011 14:16:20 | 8.76   | 49.40           | 32.02        | 10.88           | 7.93 | 2.6               | 1.73            | 115.1 |
| 1070     | 12/19/2011 14:31:20 | 8.78   | 49.44           | 32.05        | 10.85           | 7.93 | 2.7               | 1.80            | 114.8 |
| 1071     | 12/19/2011 14:46:20 | 8.77   | 49.30           | 31.95        | 10.75           | 7.92 | 3.1               | 1.86            | 113.7 |
| 1072     | 12/19/2011 15:01:20 | 8.74   | 49.23           | 31.89        | 10.65           | 7.91 | 3.5               | 1.93            | 112.5 |
| 1073     | 12/19/2011 15:16:20 | 8.70   | 49.17           | 31.85        | 10.60           | 7.90 | 3.5               | 1.99            | 111.8 |
| 1074     | 12/19/2011 15:31:20 | 8.70   | 49.21           | 31.88        | 10.57           | 7.90 | 3.5               | 2.07            | 111.5 |
| 1075     | 12/19/2011 15:46:20 | 8.71   | 49.31           | 31.95        | 10.52           | 7.90 | 3.5               | 2.13            | 111.1 |
| 1076     | 12/19/2011 16:01:20 | 8.72   | 49.45           | 32.05        | 10.44           | 7.89 | 3.3               | 2.20            | 110.4 |
| 1077     | 12/19/2011 16:16:20 | 8.71   | 49.54           | 32.11        | 10.37           | 7.89 | 3.2               | 2.27            | 109.6 |
| 1078     | 12/19/2011 16:31:20 | 8.74   | 49.64           | 32.19        | 10.24           | 7.88 | 3.5               | 2.35            | 108.4 |
| 1079     | 12/19/2011 16:46:20 | 8.78   | 49.76           | 32.28        | 10.15           | 7.87 | 3.6               | 2.39            | 107.5 |
| 1080     | 12/19/2011 17:01:20 | 8.78   | 49.84           | 32.33        | 10.08           | 7.86 | 3.3               | 2.45            | 106.9 |
| 1081     | 12/19/2011 17:16:20 | 8.78   | 49.86           | 32.35        | 10.07           | 7.86 | 3.3               | 2.53            | 106.8 |
| 1082     | 12/19/2011 17:31:20 | 8.77   | 49.88           | 32.36        | 10.05           | 7.86 | 3.5               | 2.58            | 106.5 |
| 1083     | 12/19/2011 17:46:20 | 8.76   | 49.89           | 32.37        | 10.04           | 7.86 | 3.4               | 2.63            | 106.4 |
| 1084     | 12/19/2011 18:01:20 | 8.77   | 49.91           | 32.38        | 10.02           | 7.86 | 3.2               | 2.69            | 106.3 |
| 1085     | 12/19/2011 18:16:20 | 8.78   | 49.96           | 32.42        | 10.01           | 7.86 | 3.2               | 2.74            | 106.2 |
| 1086     | 12/19/2011 18:31:20 | 8.78   | 49.99           | 32.44        | 9.99            | 7.85 | 3.2               | 2.78            | 106.0 |
| 1087     | 12/19/2011 18:46:20 | 8.78   | 50.00           | 32.45        | 9.98            | 7.85 | 3.2               | 2.82            | 105.9 |
| 1088     | 12/19/2011 19:01:20 | 8.79   | 50.01           | 32.46        | 9.98            | 7.85 | 3.0               | 2.85            | 105.9 |
| 1089     | 12/19/2011 19:16:20 | 8.78   | 50.02           | 32.46        | 9.96            | 7.85 | 2.9               | 2.87            | 105.7 |
| 1090     | 12/19/2011 19:31:20 | 8.74   | 49.97           | 32.43        | 9.83            | 7.85 | 3.1               | 2.88            | 104.2 |
| 1091     | 12/19/2011 19:46:20 | 8.77   | 49.97           | 32.43        | 9.83            | 7.85 | 3.1               | 2.88            | 104.2 |
| 1092     | 12/19/2011 20:01:20 | 8.71   | 49.94           | 32.40        | 9.86            | 7.85 | 2.8               | 2.87            | 104.4 |
| 1093     | 12/19/2011 20:16:20 | 8.68   | 49.95           | 32.41        | 9.81            | 7.85 | 2.8               | 2.84            | 103.9 |
| 1094     | 12/19/2011 20:31:20 | 8.70   | 49.95           | 32.41        | 9.81            | 7.85 | 3.1               | 2.79            | 103.9 |
| 1095     | 12/19/2011 20:46:20 | 8.59   | 49.78           | 32.28        | 9.93            | 7.87 | 4.1               | 2.77            | 104.8 |
| 1096     | 12/19/2011 21:01:20 | 8.63   | 49.78           | 32.28        | 10.00           | 7.88 | 4.3               | 2.70            | 105.7 |
| 1097     | 12/19/2011 21:16:20 | 8.64   | 49.81           | 32.30        | 9.88            | 7.86 | 4.6               | 2.63            | 104.4 |
| 1098     | 12/19/2011 21:31:20 | 8.53   | 49.84           | 32.32        | 9.81            | 7.85 | 3.7               | 2.58            | 103.4 |
| 1099     | 12/19/2011 21:46:20 | 8.56   | 49.87           | 32.34        | 9.81            | 7.85 | 3.5               | 2.51            | 103.5 |
| 1100     | 12/19/2011 22:01:20 | 8.56   | 49.84           | 32.32        | 9.84            | 7.85 | 3.4               | 2.44            | 103.8 |
| 1101     | 12/19/2011 22:16:20 | 8.49   | 49.86           | 32.33        | 9.80            | 7.85 | 3.5               | 2.36            | 103.2 |
| 1102     | 12/19/2011 22:31:20 | 8.49   | 49.80           | 32.28        | 9.87            | 7.86 | 3.8               | 2.31            | 104.0 |
| 1103     | 12/19/2011 22:46:20 | 8.50   | 49.70           | 32.21        | 9.95            | 7.87 | 3.5               | 2.26            | 104.8 |
| 1104     | 12/19/2011 23:01:20 | 8.41   | 49.68           | 32.19        | 9.91            | 7.86 | 3.8               | 2.19            | 104.1 |
| 1105     | 12/19/2011 23:16:20 | 8.39   | 49.65           | 32.17        | 9.93            | 7.86 | 3.5               | 2.15            | 104.3 |
| 1106     | 12/19/2011 23:31:20 | 8.38   | 49.59           | 32.13        | 9.99            | 7.87 | 3.4               | 2.11            | 104.8 |
| 1107     | 12/19/2011 23:46:20 | 8.39   | 49.54           | 32.09        | 10.05           | 7.88 | 3.1               | 2.07            | 105.5 |
| 1108     | 12/20/2011 00:01:20 | 8.41   | 49.49           | 32.06        | 10.13           | 7.88 | 3.0               | 2.05            | 106.3 |
| 1109     | 12/20/2011 00:16:20 | 8.42   | 49.45           | 32.03        | 10.15           | 7.89 | 2.8               | 2.00            | 106.6 |
| 1110     | 12/20/2011 00:31:20 | 8.43   | 49.43           | 32.01        | 10.19           | 7.90 | 2.7               | 2.02            | 107.0 |
| 1111     | 12/20/2011 00:46:20 | 8.42   | 49.44           | 32.02        | 10.28           | 7.89 | 2.8               | 2.04            | 107.9 |
| 1112     | 12/20/2011 01:01:20 | 8.42   | 49.46           | 32.03        | 10.24           | 7.89 | 2.8               | 2.04            | 107.5 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1113     | 12/20/2011 01:16:20 | 8.43   | 49.49           | 32.06        | 10.17           | 7.88 | 2.8               | 2.08            | 106.8 |
| 1114     | 12/20/2011 01:31:20 | 8.45   | 49.50           | 32.06        | 10.15           | 7.88 | 2.9               | 2.12            | 106.6 |
| 1115     | 12/20/2011 01:46:20 | 8.46   | 49.53           | 32.08        | 10.12           | 7.87 | 3.2               | 2.18            | 106.3 |
| 1116     | 12/20/2011 02:01:20 | 8.44   | 49.49           | 32.06        | 10.10           | 7.87 | 3.5               | 2.23            | 106.1 |
| 1117     | 12/20/2011 02:16:20 | 8.39   | 49.38           | 31.98        | 10.10           | 7.87 | 4.2               | 2.30            | 106.0 |
| 1118     | 12/20/2011 02:31:20 | 8.40   | 49.44           | 32.02        | 10.08           | 7.87 | 3.7               | 2.37            | 105.8 |
| 1119     | 12/20/2011 02:46:20 | 8.51   | 49.64           | 32.17        | 10.01           | 7.86 | 3.7               | 2.44            | 105.4 |
| 1120     | 12/20/2011 03:01:20 | 8.55   | 49.74           | 32.24        | 9.99            | 7.86 | 3.8               | 2.52            | 105.4 |
| 1121     | 12/20/2011 03:16:20 | 8.60   | 49.81           | 32.30        | 9.97            | 7.86 | 3.6               | 2.59            | 105.3 |
| 1122     | 12/20/2011 03:31:19 | 8.65   | 49.88           | 32.35        | 9.95            | 7.85 | 3.7               | 2.67            | 105.3 |
| 1123     | 12/20/2011 03:46:20 | 8.68   | 49.97           | 32.42        | 9.96            | 7.85 | 3.6               | 2.76            | 105.4 |
| 1124     | 12/20/2011 04:01:20 | 8.70   | 50.01           | 32.45        | 9.95            | 7.85 | 3.7               | 2.83            | 105.4 |
| 1125     | 12/20/2011 04:16:20 | 8.73   | 50.07           | 32.50        | 9.93            | 7.85 | 4.3               | 2.92            | 105.3 |
| 1126     | 12/20/2011 04:31:20 | 8.76   | 50.14           | 32.55        | 9.93            | 7.84 | 4.8               | 3.00            | 105.4 |
| 1127     | 12/20/2011 04:46:20 | 8.81   | 50.23           | 32.62        | 9.95            | 7.84 | 5.5               | 3.08            | 105.8 |
| 1128     | 12/20/2011 05:01:20 | 8.86   | 50.31           | 32.68        | 9.98            | 7.84 | 6.2               | 3.17            | 106.2 |
| 1129     | 12/20/2011 05:16:20 | 8.92   | 50.47           | 32.80        | 10.05           | 7.84 | 7.6               | 3.27            | 107.2 |
| 1130     | 12/20/2011 05:31:20 | 8.96   | 50.61           | 32.90        | 10.13           | 7.85 | 8.8               | 3.36            | 108.2 |
| 1131     | 12/20/2011 05:46:20 | 8.96   | 50.71           | 32.98        | 10.16           | 7.85 | 8.5               | 3.45            | 108.6 |
| 1132     | 12/20/2011 06:01:20 | 8.99   | 50.78           | 33.03        | 10.22           | 7.85 | 7.8               | 3.54            | 109.3 |
| 1133     | 12/20/2011 06:16:20 | 9.02   | 50.82           | 33.06        | 10.25           | 7.85 | 6.3               | 3.61            | 109.8 |
| 1134     | 12/20/2011 06:31:20 | 9.04   | 50.84           | 33.08        | 10.27           | 7.85 | 6.3               | 3.68            | 110.1 |
| 1135     | 12/20/2011 06:46:20 | 9.04   | 50.85           | 33.09        | 10.27           | 7.85 | 5.1               | 3.73            | 110.1 |
| 1136     | 12/20/2011 07:01:19 | 8.99   | 50.81           | 33.05        | 10.25           | 7.85 | 4.4               | 3.76            | 109.7 |
| 1137     | 12/20/2011 07:16:19 | 8.99   | 50.78           | 33.03        | 10.26           | 7.85 | 4.4               | 3.80            | 109.8 |
| 1138     | 12/20/2011 07:31:20 | 8.89   | 50.70           | 32.96        | 10.07           | 7.85 | 4.5               | 3.81            | 107.5 |
| 1139     | 12/20/2011 07:46:20 | 8.96   | 50.77           | 33.02        | 10.10           | 7.85 | 4.5               | 3.79            | 108.0 |
| 1140     | 12/20/2011 08:01:20 | 8.88   | 50.69           | 32.96        | 10.02           | 7.84 | 4.5               | 3.76            | 107.0 |
| 1141     | 12/20/2011 08:16:20 | 8.93   | 50.73           | 32.99        | 10.10           | 7.85 | 4.7               | 3.72            | 107.9 |
| 1142     | 12/20/2011 08:31:20 | 8.82   | 50.60           | 32.88        | 10.00           | 7.84 | 4.3               | 3.64            | 106.5 |
| 1143     | 12/20/2011 08:46:20 | 8.70   | 50.56           | 32.85        | 10.03           | 7.84 | 4.2               | 3.56            | 106.5 |
| 1144     | 12/20/2011 09:01:20 | 8.74   | 50.55           | 32.85        | 10.11           | 7.85 | 3.8               | 3.46            | 107.5 |
| 1145     | 12/20/2011 09:16:20 | 8.83   | 50.68           | 32.94        | 10.13           | 7.85 | 4.0               | 3.36            | 108.0 |
| 1146     | 12/20/2011 09:31:20 | 8.70   | 50.43           | 32.76        | 10.02           | 7.85 | 5.2               | 3.27            | 106.4 |
| 1147     | 12/20/2011 09:46:20 | 8.69   | 50.39           | 32.72        | 9.99            | 7.85 | 4.8               | 3.16            | 106.0 |
| 1148     | 12/20/2011 10:01:20 | 8.68   | 50.32           | 32.68        | 10.00           | 7.85 | 4.3               | 3.06            | 106.0 |
| 1149     | 12/20/2011 10:16:20 | 8.69   | 50.29           | 32.65        | 10.05           | 7.85 | 4.0               | 2.94            | 106.6 |
| 1150     | 12/20/2011 10:31:20 | 8.73   | 50.33           | 32.68        | 10.05           | 7.85 | 4.7               | 2.84            | 106.7 |
| 1151     | 12/20/2011 10:46:20 | 8.78   | 50.28           | 32.66        | 10.21           | 7.86 | 4.1               | 2.71            | 108.5 |
| 1152     | 12/20/2011 11:01:20 | 9.00   | 50.41           | 32.76        | 10.33           | 7.87 | 3.9               | 2.59            | 110.4 |
| 1153     | 12/20/2011 11:16:20 | 8.79   | 50.19           | 32.59        | 10.27           | 7.87 | 4.5               | 2.47            | 109.1 |
| 1154     | 12/20/2011 11:31:20 | 9.12   | 50.34           | 32.72        | 10.41           | 7.88 | 3.9               | 2.34            | 111.5 |
| 1155     | 12/20/2011 11:46:20 | 8.99   | 50.11           | 32.55        | 10.56           | 7.89 | 4.2               | 2.21            | 112.7 |
| 1156     | 12/20/2011 12:01:20 | 8.97   | 49.97           | 32.44        | 10.60           | 7.90 | 4.1               | 2.08            | 112.9 |
| 1157     | 12/20/2011 12:16:20 | 8.80   | 49.81           | 32.32        | 10.65           | 7.91 | 4.5               | 1.95            | 113.0 |
| 1158     | 12/20/2011 12:31:19 | 8.78   | 49.77           | 32.29        | 10.72           | 7.91 | 4.2               | 1.83            | 113.7 |
| 1159     | 12/20/2011 12:46:20 | 8.81   | 49.76           | 32.28        | 10.74           | 7.91 | 3.8               | 1.71            | 113.9 |
| 1160     | 12/20/2011 13:01:20 | 8.73   | 49.71           | 32.24        | 10.67           | 7.91 | 3.3               | 1.61            | 113.0 |
| 1161     | 12/20/2011 13:16:20 | 8.74   | 49.69           | 32.22        | 10.73           | 7.92 | 3.3               | 1.50            | 113.6 |
| 1162     | 12/20/2011 13:31:20 | 8.83   | 49.72           | 32.25        | 10.70           | 7.92 | 3.2               | 1.43            | 113.5 |
| 1163     | 12/20/2011 13:46:20 | 8.90   | 49.69           | 32.23        | 10.78           | 7.93 | 3.2               | 1.38            | 114.6 |
| 1164     | 12/20/2011 14:01:20 | 8.84   | 49.65           | 32.20        | 10.76           | 7.93 | 3.1               | 1.33            | 114.2 |
| 1165     | 12/20/2011 14:16:20 | 9.26   | 49.79           | 32.33        | 10.94           | 7.93 | 4.5               | 1.33            | 117.3 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1166     | 12/20/2011 14:31:20 | 8.87   | 49.61           | 32.18        | 10.92           | 7.94 | 3.2               | 1.34            | 115.9 |
| 1167     | 12/20/2011 14:46:20 | 8.87   | 49.65           | 32.20        | 10.86           | 7.93 | 3.1               | 1.38            | 115.3 |
| 1168     | 12/20/2011 15:01:20 | 8.75   | 49.56           | 32.13        | 10.96           | 7.94 | 3.1               | 1.43            | 116.0 |
| 1169     | 12/20/2011 15:16:20 | 8.81   | 49.62           | 32.18        | 10.90           | 7.93 | 3.4               | 1.49            | 115.5 |
| 1170     | 12/20/2011 15:31:20 | 8.66   | 49.50           | 32.08        | 11.06           | 7.96 | 3.1               | 1.58            | 116.7 |
| 1171     | 12/20/2011 15:46:20 | 8.64   | 49.39           | 32.00        | 10.90           | 7.94 | 3.6               | 1.66            | 115.0 |
| 1172     | 12/20/2011 16:01:20 | 8.55   | 49.16           | 31.83        | 10.84           | 7.94 | 4.2               | 1.73            | 114.0 |
| 1173     | 12/20/2011 16:16:20 | 8.53   | 49.15           | 31.82        | 10.81           | 7.94 | 3.9               | 1.82            | 113.6 |
| 1174     | 12/20/2011 16:31:20 | 8.55   | 49.20           | 31.86        | 10.76           | 7.93 | 4.0               | 1.89            | 113.1 |
| 1175     | 12/20/2011 16:46:20 | 8.57   | 49.30           | 31.93        | 10.66           | 7.92 | 3.9               | 1.96            | 112.2 |
| 1176     | 12/20/2011 17:01:20 | 8.59   | 49.43           | 32.02        | 10.63           | 7.92 | 3.5               | 2.04            | 112.0 |
| 1177     | 12/20/2011 17:16:19 | 8.62   | 49.49           | 32.07        | 10.57           | 7.91 | 3.7               | 2.13            | 111.5 |
| 1178     | 12/20/2011 17:31:20 | 8.66   | 49.65           | 32.19        | 10.43           | 7.90 | 3.9               | 2.21            | 110.2 |
| 1179     | 12/20/2011 17:46:20 | 8.65   | 49.75           | 32.26        | 10.29           | 7.88 | 4.2               | 2.27            | 108.8 |
| 1180     | 12/20/2011 18:01:20 | 8.62   | 49.76           | 32.27        | 10.25           | 7.88 | 4.1               | 2.37            | 108.3 |
| 1181     | 12/20/2011 18:16:20 | 8.61   | 49.80           | 32.29        | 10.21           | 7.88 | 4.0               | 2.43            | 107.8 |
| 1182     | 12/20/2011 18:31:20 | 8.60   | 49.83           | 32.31        | 10.18           | 7.87 | 4.0               | 2.52            | 107.5 |
| 1183     | 12/20/2011 18:46:20 | 8.61   | 49.88           | 32.35        | 10.14           | 7.87 | 4.2               | 2.59            | 107.2 |
| 1184     | 12/20/2011 19:01:20 | 8.64   | 49.94           | 32.39        | 10.10           | 7.86 | 4.2               | 2.63            | 106.8 |
| 1185     | 12/20/2011 19:16:20 | 8.66   | 49.98           | 32.43        | 10.09           | 7.86 | 4.0               | 2.70            | 106.8 |
| 1186     | 12/20/2011 19:31:20 | 8.66   | 50.01           | 32.45        | 10.07           | 7.86 | 4.1               | 2.76            | 106.6 |
| 1187     | 12/20/2011 19:46:20 | 8.66   | 50.02           | 32.46        | 10.06           | 7.86 | 3.9               | 2.82            | 106.5 |
| 1188     | 12/20/2011 20:01:20 | 8.67   | 50.02           | 32.46        | 10.05           | 7.86 | 3.7               | 2.86            | 106.3 |
| 1189     | 12/20/2011 20:16:20 | 8.68   | 50.03           | 32.47        | 10.03           | 7.85 | 3.9               | 2.89            | 106.2 |
| 1190     | 12/20/2011 20:31:20 | 8.72   | 50.05           | 32.48        | 10.02           | 7.85 | 3.7               | 2.94            | 106.2 |
| 1191     | 12/20/2011 20:46:20 | 8.75   | 50.09           | 32.51        | 9.98            | 7.85 | 3.4               | 2.95            | 105.8 |
| 1192     | 12/20/2011 21:01:20 | 8.65   | 49.98           | 32.43        | 9.93            | 7.85 | 3.5               | 2.96            | 105.0 |
| 1193     | 12/20/2011 21:16:20 | 8.65   | 50.03           | 32.46        | 9.90            | 7.85 | 3.1               | 2.96            | 104.7 |
| 1194     | 12/20/2011 21:31:20 | 8.70   | 50.07           | 32.49        | 9.91            | 7.85 | 3.4               | 2.94            | 105.0 |
| 1195     | 12/20/2011 21:46:20 | 8.70   | 50.06           | 32.49        | 9.92            | 7.85 | 3.7               | 2.91            | 105.1 |
| 1196     | 12/20/2011 22:01:20 | 8.69   | 50.05           | 32.48        | 9.91            | 7.85 | 3.7               | 2.86            | 105.0 |
| 1197     | 12/20/2011 22:16:20 | 8.42   | 49.78           | 32.27        | 9.91            | 7.88 | 4.9               | 2.80            | 104.2 |
| 1198     | 12/20/2011 22:31:20 | 8.37   | 49.78           | 32.26        | 9.88            | 7.87 | 4.9               | 2.76            | 103.7 |
| 1199     | 12/20/2011 22:46:20 | 8.44   | 49.97           | 32.40        | 9.84            | 7.85 | 3.8               | 2.70            | 103.6 |
| 1200     | 12/20/2011 23:01:20 | 8.48   | 49.96           | 32.40        | 9.86            | 7.85 | 3.8               | 2.63            | 103.9 |
| 1201     | 12/20/2011 23:16:20 | 8.46   | 49.97           | 32.40        | 9.87            | 7.85 | 3.9               | 2.55            | 103.9 |
| 1202     | 12/20/2011 23:31:20 | 8.44   | 49.97           | 32.40        | 9.87            | 7.85 | 4.1               | 2.50            | 103.9 |
| 1203     | 12/20/2011 23:46:20 | 8.40   | 49.98           | 32.41        | 9.85            | 7.85 | 4.0               | 2.43            | 103.6 |
| 1204     | 12/21/2011 00:01:20 | 8.37   | 49.93           | 32.37        | 9.81            | 7.85 | 4.1               | 2.39            | 103.1 |
| 1205     | 12/21/2011 00:16:20 | 8.35   | 49.88           | 32.33        | 9.88            | 7.86 | 4.0               | 2.32            | 103.7 |
| 1206     | 12/21/2011 00:31:20 | 8.33   | 49.85           | 32.31        | 9.85            | 7.86 | 4.1               | 2.25            | 103.4 |
| 1207     | 12/21/2011 00:46:20 | 8.31   | 49.80           | 32.27        | 9.89            | 7.86 | 3.8               | 2.21            | 103.8 |
| 1208     | 12/21/2011 01:01:20 | 8.26   | 49.70           | 32.19        | 9.96            | 7.87 | 3.5               | 2.18            | 104.3 |
| 1209     | 12/21/2011 01:16:20 | 8.24   | 49.58           | 32.11        | 10.03           | 7.88 | 3.5               | 2.14            | 104.9 |
| 1210     | 12/21/2011 01:31:20 | 8.24   | 49.53           | 32.07        | 10.05           | 7.89 | 3.2               | 2.13            | 105.1 |
| 1211     | 12/21/2011 01:46:20 | 8.24   | 49.51           | 32.05        | 10.08           | 7.89 | 3.0               | 2.13            | 105.5 |
| 1212     | 12/21/2011 02:01:20 | 8.22   | 49.56           | 32.09        | 10.10           | 7.89 | 3.4               | 2.15            | 105.5 |
| 1213     | 12/21/2011 02:16:20 | 8.23   | 49.59           | 32.11        | 10.11           | 7.89 | 3.4               | 2.18            | 105.7 |
| 1214     | 12/21/2011 02:31:20 | 8.30   | 49.65           | 32.16        | 10.13           | 7.88 | 3.3               | 2.23            | 106.2 |
| 1215     | 12/21/2011 02:46:20 | 8.32   | 49.69           | 32.19        | 10.13           | 7.88 | 3.5               | 2.29            | 106.2 |
| 1216     | 12/21/2011 03:01:20 | 8.28   | 49.62           | 32.14        | 10.09           | 7.88 | 4.8               | 2.35            | 105.6 |
| 1217     | 12/21/2011 03:16:20 | 8.22   | 49.54           | 32.07        | 10.10           | 7.88 | 4.7               | 2.42            | 105.6 |
| 1218     | 12/21/2011 03:31:20 | 8.36   | 49.74           | 32.23        | 10.04           | 7.87 | 4.5               | 2.50            | 105.4 |



sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1219     | 12/21/2011 03:46:20 | 8.40   | 49.80           | 32.28        | 10.01           | 7.86 | 4.5               | 2.58            | 105.2 |
| 1220     | 12/21/2011 04:01:20 | 8.46   | 49.86           | 32.32        | 9.99            | 7.86 | 4.5               | 2.65            | 105.2 |
| 1221     | 12/21/2011 04:16:20 | 8.54   | 49.99           | 32.43        | 10.00           | 7.86 | 4.3               | 2.74            | 105.6 |
| 1222     | 12/21/2011 04:31:20 | 8.60   | 50.09           | 32.50        | 10.02           | 7.85 | 4.3               | 2.81            | 105.9 |
| 1223     | 12/21/2011 04:46:20 | 8.64   | 50.14           | 32.54        | 10.02           | 7.85 | 4.9               | 2.90            | 106.0 |
| 1224     | 12/21/2011 05:01:20 | 8.67   | 50.20           | 32.59        | 10.03           | 7.85 | 5.2               | 2.98            | 106.2 |
| 1225     | 12/21/2011 05:16:20 | 8.73   | 50.31           | 32.67        | 10.04           | 7.85 | 5.6               | 3.07            | 106.6 |
| 1226     | 12/21/2011 05:31:20 | 8.78   | 50.43           | 32.76        | 10.08           | 7.85 | 6.5               | 3.17            | 107.2 |
| 1227     | 12/21/2011 05:46:20 | 8.82   | 50.53           | 32.83        | 10.13           | 7.85 | 7.2               | 3.26            | 107.9 |
| 1228     | 12/21/2011 06:01:20 | 8.87   | 50.64           | 32.92        | 10.17           | 7.85 | 8.2               | 3.34            | 108.4 |
| 1229     | 12/21/2011 06:16:20 | 8.90   | 50.75           | 33.00        | 10.23           | 7.86 | 8.9               | 3.46            | 109.2 |
| 1230     | 12/21/2011 06:31:20 | 8.92   | 50.80           | 33.04        | 10.28           | 7.86 | 8.7               | 3.53            | 109.8 |
| 1231     | 12/21/2011 06:46:20 | 8.95   | 50.86           | 33.09        | 10.32           | 7.86 | 7.8               | 3.63            | 110.4 |
| 1232     | 12/21/2011 07:01:20 | 8.98   | 50.90           | 33.12        | 10.37           | 7.86 | 7.4               | 3.71            | 111.0 |
| 1233     | 12/21/2011 07:16:20 | 8.99   | 50.91           | 33.13        | 10.40           | 7.86 | 5.9               | 3.77            | 111.4 |
| 1234     | 12/21/2011 07:31:20 | 8.99   | 50.93           | 33.14        | 10.41           | 7.86 | 5.2               | 3.84            | 111.5 |
| 1235     | 12/21/2011 07:46:20 | 8.98   | 50.93           | 33.14        | 10.39           | 7.86 | 4.8               | 3.88            | 111.2 |
| 1236     | 12/21/2011 08:01:20 | 8.97   | 50.92           | 33.13        | 10.37           | 7.86 | 4.1               | 3.92            | 111.0 |
| 1237     | 12/21/2011 08:16:20 | 8.57   | 50.46           | 32.76        | 10.00           | 7.85 | 3.7               | 3.94            | 105.9 |
| 1238     | 12/21/2011 08:31:20 | 8.91   | 50.86           | 33.08        | 10.23           | 7.85 | 5.3               | 3.94            | 109.3 |
| 1239     | 12/21/2011 08:46:20 | 8.81   | 50.76           | 33.00        | 10.11           | 7.85 | 4.2               | 3.93            | 107.7 |
| 1240     | 12/21/2011 09:01:20 | 8.90   | 50.84           | 33.07        | 10.26           | 7.86 | 4.8               | 3.87            | 109.6 |
| 1241     | 12/21/2011 09:16:20 | 8.85   | 50.78           | 33.02        | 10.21           | 7.86 | 4.4               | 3.81            | 108.9 |
| 1242     | 12/21/2011 09:31:20 | 8.77   | 50.69           | 32.95        | 10.16           | 7.86 | 4.5               | 3.74            | 108.1 |
| 1243     | 12/21/2011 09:46:20 | 8.82   | 50.75           | 33.00        | 10.31           | 7.86 | 4.6               | 3.64            | 109.9 |
| 1244     | 12/21/2011 10:01:20 | 8.93   | 50.86           | 33.09        | 10.36           | 7.87 | 3.8               | 3.55            | 110.8 |
| 1245     | 12/21/2011 10:16:20 | 8.75   | 50.62           | 32.90        | 10.24           | 7.86 | 5.1               | 3.41            | 108.9 |
| 1246     | 12/21/2011 10:31:20 | 8.77   | 50.59           | 32.87        | 10.26           | 7.86 | 4.6               | 3.32            | 109.1 |
| 1247     | 12/21/2011 10:46:20 | 8.76   | 50.53           | 32.83        | 10.24           | 7.86 | 4.1               | 3.20            | 108.9 |
| 1248     | 12/21/2011 11:01:20 | 8.76   | 50.46           | 32.78        | 10.24           | 7.86 | 4.2               | 3.08            | 108.8 |
| 1249     | 12/21/2011 11:16:20 | 8.78   | 50.44           | 32.77        | 10.29           | 7.87 | 4.3               | 2.94            | 109.4 |
| 1250     | 12/21/2011 11:31:20 | 8.77   | 50.38           | 32.72        | 10.34           | 7.87 | 5.1               | 2.82            | 109.9 |
| 1251     | 12/21/2011 11:46:20 | 8.76   | 50.34           | 32.69        | 10.39           | 7.87 | 5.5               | 2.68            | 110.4 |
| 1252     | 12/21/2011 12:01:20 | 9.04   | 50.55           | 32.87        | 10.56           | 7.89 | 4.0               | 2.54            | 113.0 |
| 1253     | 12/21/2011 12:16:20 | 8.84   | 50.28           | 32.66        | 10.50           | 7.89 | 4.8               | 2.40            | 111.8 |
| 1254     | 12/21/2011 12:31:20 | 8.97   | 50.24           | 32.64        | 10.64           | 7.90 | 4.0               | 2.25            | 113.5 |
| 1255     | 12/21/2011 12:46:20 | 8.81   | 50.04           | 32.48        | 10.59           | 7.90 | 4.5               | 2.12            | 112.5 |
| 1256     | 12/21/2011 13:01:20 | 8.75   | 49.93           | 32.40        | 10.65           | 7.91 | 5.0               | 1.97            | 112.9 |
| 1257     | 12/21/2011 13:16:20 | 8.81   | 49.92           | 32.39        | 10.69           | 7.91 | 4.9               | 1.82            | 113.4 |
| 1258     | 12/21/2011 13:31:20 | 8.78   | 49.89           | 32.37        | 10.69           | 7.91 | 4.7               | 1.66            | 113.4 |
| 1259     | 12/21/2011 13:46:20 | 8.77   | 49.86           | 32.35        | 10.72           | 7.92 | 4.3               | 1.51            | 113.7 |
| 1260     | 12/21/2011 14:01:20 | 8.78   | 49.86           | 32.35        | 10.74           | 7.92 | 4.1               | 1.40            | 114.0 |
| 1261     | 12/21/2011 14:16:20 | 8.77   | 49.82           | 32.32        | 10.77           | 7.92 | 3.8               | 1.28            | 114.1 |
| 1262     | 12/21/2011 14:31:20 | 8.80   | 49.81           | 32.32        | 10.81           | 7.93 | 3.9               | 1.17            | 114.6 |
| 1263     | 12/21/2011 14:46:20 | 8.80   | 49.79           | 32.30        | 10.76           | 7.93 | 3.5               | 1.13            | 114.1 |
| 1264     | 12/21/2011 15:01:20 | 8.95   | 49.86           | 32.36        | 10.87           | 7.93 | 8.4               | 1.06            | 115.7 |
| 1265     | 12/21/2011 15:16:20 | 8.89   | 49.84           | 32.35        | 10.88           | 7.93 | 6.7               | 1.08            | 115.6 |
| 1266     | 12/21/2011 15:31:20 | 8.73   | 49.70           | 32.23        | 10.94           | 7.94 | 4.0               | 1.11            | 115.8 |
| 1267     | 12/21/2011 15:46:20 | 8.77   | 49.72           | 32.25        | 10.91           | 7.93 | 4.8               | 1.18            | 115.6 |
| 1268     | 12/21/2011 16:01:20 | 8.65   | 49.58           | 32.14        | 11.06           | 7.95 | 4.0               | 1.25            | 116.8 |
| 1269     | 12/21/2011 16:16:20 | 8.58   | 49.49           | 32.07        | 11.27           | 7.99 | 3.8               | 1.33            | 118.8 |
| 1270     | 12/21/2011 16:31:20 | 8.52   | 49.46           | 32.04        | 11.27           | 7.99 | 3.7               | 1.41            | 118.6 |
| 1271     | 12/21/2011 16:46:20 | 8.49   | 49.27           | 31.90        | 11.02           | 7.97 | 5.0               | 1.48            | 115.8 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|-------|
| 1272     | 12/21/2011 17:01:20 | 8.51   | 49.32           | 31.94        | 10.96           | 7.96 | 4.8               | 1.55            | 115.2 |
| 1273     | 12/21/2011 17:16:20 | 8.52   | 49.35           | 31.96        | 10.92           | 7.96 | 5.0               | 1.62            | 114.8 |
| 1274     | 12/21/2011 17:31:20 | 8.50   | 49.24           | 31.88        | 10.84           | 7.95 | 5.4               | 1.72            | 113.9 |
| 1275     | 12/21/2011 17:46:20 | 8.44   | 49.16           | 31.82        | 10.78           | 7.95 | 5.7               | 1.81            | 113.1 |
| 1276     | 12/21/2011 18:01:20 | 8.47   | 49.29           | 31.91        | 10.71           | 7.94 | 5.6               | 1.89            | 112.5 |
| 1277     | 12/21/2011 18:16:20 | 8.47   | 49.39           | 31.98        | 10.69           | 7.93 | 5.9               | 1.99            | 112.3 |
| 1278     | 12/21/2011 18:31:20 | 8.51   | 49.56           | 32.11        | 10.55           | 7.92 | 5.5               | 2.07            | 111.0 |
| 1279     | 12/21/2011 18:46:20 | 8.49   | 49.68           | 32.19        | 10.43           | 7.90 | 6.1               | 2.19            | 109.7 |
| 1280     | 12/21/2011 19:01:20 | 8.51   | 49.80           | 32.28        | 10.37           | 7.89 | 5.2               | 2.28            | 109.2 |
| 1281     | 12/21/2011 19:16:20 | 8.51   | 49.83           | 32.31        | 10.31           | 7.89 | 5.2               | 2.37            | 108.7 |
| 1282     | 12/21/2011 19:31:20 | 8.53   | 49.89           | 32.35        | 10.28           | 7.89 | 5.5               | 2.46            | 108.4 |
| 1283     | 12/21/2011 19:46:20 | 8.55   | 49.95           | 32.39        | 10.27           | 7.88 | 5.3               | 2.55            | 108.4 |
| 1284     | 12/21/2011 20:01:20 | 8.56   | 50.00           | 32.43        | 10.25           | 7.88 | 5.5               | 2.62            | 108.3 |
| 1285     | 12/21/2011 20:16:20 | 8.56   | 50.02           | 32.44        | 10.23           | 7.88 | 4.9               | 2.69            | 108.0 |
| 1286     | 12/21/2011 20:31:20 | 8.57   | 50.04           | 32.46        | 10.21           | 7.87 | 4.9               | 2.76            | 107.8 |
| 1287     | 12/21/2011 20:46:20 | 8.59   | 50.05           | 32.47        | 10.19           | 7.87 | 5.4               | 2.81            | 107.7 |
| 1288     | 12/21/2011 21:01:20 | 8.64   | 50.12           | 32.52        | 10.17           | 7.87 | 5.6               | 2.88            | 107.6 |
| 1289     | 12/21/2011 21:16:20 | 8.69   | 50.24           | 32.62        | 10.20           | 7.86 | 5.4               | 2.92            | 108.1 |
| 1290     | 12/21/2011 21:31:20 | 8.75   | 50.36           | 32.70        | 10.25           | 7.86 | 5.7               | 2.99            | 108.9 |
| 1291     | 12/21/2011 21:46:20 | 8.77   | 50.41           | 32.75        | 10.26           | 7.86 | 5.2               | 3.01            | 109.1 |
| 1292     | 12/21/2011 22:01:20 | 8.75   | 50.43           | 32.76        | 10.24           | 7.86 | 4.5               | 3.05            | 108.8 |
| 1293     | 12/21/2011 22:16:20 | 8.59   | 50.30           | 32.65        | 10.08           | 7.87 | 4.2               | 3.06            | 106.7 |
| 1294     | 12/21/2011 22:31:20 | 8.70   | 50.34           | 32.69        | 10.09           | 7.86 | 4.3               | 3.05            | 107.0 |
| 1295     | 12/21/2011 22:46:20 | 8.76   | 50.46           | 32.78        | 10.20           | 7.86 | 5.5               | 3.01            | 108.4 |
| 1296     | 12/21/2011 23:01:20 | 8.57   | 50.25           | 32.61        | 10.12           | 7.86 | 4.6               | 2.98            | 107.0 |
| 1297     | 12/21/2011 23:16:20 | 8.39   | 50.10           | 32.49        | 10.03           | 7.86 | 4.5               | 2.93            | 105.5 |
| 1298     | 12/21/2011 23:31:20 | 8.23   | 50.01           | 32.41        | 10.00           | 7.87 | 4.3               | 2.86            | 104.8 |
| 1299     | 12/21/2011 23:46:20 | 8.16   | 50.00           | 32.40        | 10.01           | 7.87 | 4.5               | 2.79            | 104.7 |
| 1300     | 12/22/2011 00:01:20 | 8.19   | 50.05           | 32.43        | 9.98            | 7.87 | 4.4               | 2.71            | 104.5 |
| 1301     | 12/22/2011 00:16:20 | 8.17   | 50.04           | 32.42        | 10.00           | 7.87 | 4.2               | 2.64            | 104.7 |
| 1302     | 12/22/2011 00:31:20 | 8.15   | 50.01           | 32.41        | 10.01           | 7.87 | 4.2               | 2.58            | 104.7 |
| 1303     | 12/22/2011 00:46:20 | 8.14   | 49.99           | 32.39        | 10.01           | 7.87 | 4.0               | 2.52            | 104.6 |
| 1304     | 12/22/2011 01:01:20 | 8.09   | 49.95           | 32.36        | 10.01           | 7.87 | 4.0               | 2.46            | 104.6 |
| 1305     | 12/22/2011 01:16:20 | 8.04   | 50.00           | 32.39        | 9.94            | 7.87 | 4.3               | 2.40            | 103.7 |
| 1306     | 12/22/2011 01:31:20 | 8.01   | 49.95           | 32.35        | 9.96            | 7.87 | 3.8               | 2.34            | 103.8 |
| 1307     | 12/22/2011 01:46:20 | 8.00   | 49.93           | 32.33        | 10.03           | 7.88 | 3.8               | 2.30            | 104.5 |
| 1308     | 12/22/2011 02:01:20 | 8.00   | 49.89           | 32.30        | 10.07           | 7.88 | 3.7               | 2.25            | 104.9 |
| 1309     | 12/22/2011 02:16:20 | 7.99   | 49.76           | 32.21        | 10.12           | 7.89 | 3.5               | 2.23            | 105.3 |
| 1310     | 12/22/2011 02:31:20 | 7.97   | 49.65           | 32.13        | 10.13           | 7.91 | 3.4               | 2.21            | 105.3 |
| 1311     | 12/22/2011 02:46:20 | 7.92   | 49.62           | 32.10        | 10.20           | 7.91 | 3.4               | 2.21            | 105.9 |
| 1312     | 12/22/2011 03:01:20 | 7.93   | 49.67           | 32.14        | 10.24           | 7.91 | 3.4               | 2.24            | 106.4 |
| 1313     | 12/22/2011 03:16:20 | 7.94   | 49.74           | 32.19        | 10.18           | 7.90 | 3.4               | 2.27            | 105.9 |
| 1314     | 12/22/2011 03:31:20 | 8.06   | 49.79           | 32.24        | 10.18           | 7.89 | 3.7               | 2.30            | 106.2 |
| 1315     | 12/22/2011 03:46:20 | 8.07   | 49.82           | 32.26        | 10.17           | 7.89 | 3.8               | 2.35            | 106.1 |
| 1316     | 12/22/2011 04:01:20 | 7.96   | 49.71           | 32.17        | 10.18           | 7.89 | 5.5               | 2.43            | 105.8 |
| 1317     | 12/22/2011 04:16:20 | 7.99   | 49.73           | 32.19        | 10.16           | 7.89 | 5.1               | 2.49            | 105.8 |
| 1318     | 12/22/2011 04:31:20 | 8.08   | 49.86           | 32.29        | 10.14           | 7.88 | 4.9               | 2.57            | 105.8 |
| 1319     | 12/22/2011 04:46:20 | 8.16   | 49.92           | 32.34        | 10.11           | 7.88 | 4.6               | 2.64            | 105.8 |
| 1320     | 12/22/2011 05:01:20 | 8.28   | 50.04           | 32.43        | 10.10           | 7.87 | 4.6               | 2.72            | 105.9 |
| 1321     | 12/22/2011 05:16:20 | 8.38   | 50.17           | 32.54        | 10.14           | 7.87 | 4.6               | 2.80            | 106.7 |
| 1322     | 12/22/2011 05:31:20 | 8.49   | 50.29           | 32.64        | 10.19           | 7.87 | 5.0               | 2.88            | 107.5 |
| 1323     | 12/22/2011 05:46:20 | 8.55   | 50.34           | 32.68        | 10.21           | 7.87 | 5.7               | 2.97            | 108.0 |
| 1324     | 12/22/2011 06:01:20 | 8.60   | 50.46           | 32.76        | 10.22           | 7.86 | 6.5               | 3.06            | 108.2 |

sonde #4

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH   | Turbidity+<br>NTU | Depth<br>meters | DO%    |
|----------|---------------------|--------|-----------------|--------------|-----------------|------|-------------------|-----------------|--------|
| 1325     | 12/22/2011 06:16:20 | 8.68   | 50.59           | 32.87        | 10.27           | 7.86 | 7.8               | 3.15            | 109.0  |
| 1326     | 12/22/2011 06:31:20 | 8.73   | 50.67           | 32.93        | 10.31           | 7.86 | 8.0               | 3.24            | 109.6  |
| 1327     | 12/22/2011 06:46:20 | 8.76   | 50.74           | 32.98        | 10.34           | 7.86 | 9.0               | 3.35            | 110.0  |
| 1328     | 12/22/2011 07:01:20 | 8.78   | 50.83           | 33.05        | 10.37           | 7.86 | 10.6              | 3.45            | 110.5  |
| 1329     | 12/22/2011 07:16:20 | 8.79   | 50.89           | 33.09        | 10.40           | 7.86 | 10.6              | 3.55            | 110.8  |
| 1330     | 12/22/2011 07:31:20 | 8.80   | 50.93           | 33.13        | 10.42           | 7.86 | 10.1              | 3.64            | 111.1  |
| 1331     | 12/22/2011 07:46:20 | 8.78   | 50.97           | 33.15        | 10.43           | 7.86 | 9.0               | 3.73            | 111.2  |
| 1332     | 12/22/2011 08:01:20 | 8.79   | 50.97           | 33.15        | 10.42           | 7.86 | 7.5               | 3.81            | 111.1  |
| 1333     | 12/22/2011 08:16:20 | 8.79   | 50.98           | 33.16        | 10.42           | 7.86 | 6.7               | 3.88            | 111.1  |
| 1334     | 12/22/2011 08:31:20 | 8.80   | 50.97           | 33.15        | 10.40           | 7.86 | 5.9               | 3.94            | 111.0  |
| 1335     | 12/22/2011 08:46:20 | 8.72   | 50.93           | 33.12        | 10.34           | 7.86 | 5.2               | 3.98            | 110.0  |
| 1336     | 12/22/2011 09:01:20 | 8.70   | 50.82           | 33.04        | 10.26           | 7.86 | 4.6               | 4.02            | 109.1  |
| 1337     | 12/22/2011 09:16:20 | 8.57   | 50.60           | 32.86        | 10.18           | 7.86 | 4.2               | 4.03            | 107.8  |
|          | Mean                | 8.72   | 49.90           | 32.38        | 10.14           | 7.87 | 4.79              | 2.57            | 107.41 |
|          | Minimum             | 7.70   | 48.12           | 31.11        | 8.80            | 7.81 | 2.30              | 1.00            | 94.10  |
|          | Maximum             | 9.41   | 51.12           | 33.26        | 11.60           | 7.99 | 15.40             | 4.03            | 122.70 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 0        | 12/22/2011 09:45:49 | 8.81   | 51.35           | 33.43        | 10.35           |    | 5.2               | 4.00            | 110.6 |
| 1        | 12/22/2011 10:00:49 | 8.77   | 51.36           | 33.43        | 10.13           |    | 4.6               | 3.95            | 108.1 |
| 2        | 12/22/2011 10:15:49 | 8.76   | 51.31           | 33.40        | 10.05           |    | 5.6               | 3.86            | 107.2 |
| 3        | 12/22/2011 10:30:48 | 8.83   | 51.25           | 33.36        | 10.13           |    | 4.8               | 3.77            | 108.3 |
| 4        | 12/22/2011 10:45:49 | 8.84   | 51.35           | 33.43        | 10.13           |    | 4.5               | 3.65            | 108.4 |
| 5        | 12/22/2011 11:00:49 | 8.73   | 51.23           | 33.33        | 10.08           |    | 6.3               | 3.53            | 107.4 |
| 6        | 12/22/2011 11:15:49 | 8.72   | 51.32           | 33.40        | 10.02           |    | 5.7               | 3.41            | 106.8 |
| 7        | 12/22/2011 11:30:49 | 8.73   | 51.27           | 33.37        | 10.06           |    | 6.3               | 3.28            | 107.3 |
| 8        | 12/22/2011 11:45:49 | 8.70   | 51.14           | 33.27        | 10.14           |    | 4.6               | 3.14            | 108.0 |
| 9        | 12/22/2011 12:00:49 | 8.77   | 51.15           | 33.28        | 10.15           |    | 5.6               | 3.00            | 108.2 |
| 10       | 12/22/2011 12:15:49 | 8.78   | 51.15           | 33.28        | 10.23           |    | 5.7               | 2.86            | 109.1 |
| 11       | 12/22/2011 12:30:49 | 8.77   | 51.08           | 33.23        | 10.34           |    | 5.2               | 2.72            | 110.2 |
| 12       | 12/22/2011 12:45:48 | 8.83   | 51.04           | 33.20        | 10.33           |    | 5.6               | 2.57            | 110.2 |
| 13       | 12/22/2011 13:00:49 | 8.88   | 51.01           | 33.19        | 10.34           |    | 4.9               | 2.42            | 110.5 |
| 14       | 12/22/2011 13:15:49 | 8.96   | 50.95           | 33.15        | 10.47           |    | 4.3               | 2.27            | 112.0 |
| 15       | 12/22/2011 13:30:49 | 8.86   | 50.84           | 33.06        | 10.52           |    | 4.9               | 2.10            | 112.3 |
| 16       | 12/22/2011 13:45:49 | 8.90   | 50.74           | 32.99        | 10.55           |    | 5.9               | 1.93            | 112.7 |
| 17       | 12/22/2011 14:00:49 | 8.93   | 50.65           | 32.93        | 10.69           |    | 6.6               | 1.77            | 114.2 |
| 18       | 12/22/2011 14:15:49 | 8.72   | 50.46           | 32.78        | 10.65           |    | 6.1               | 1.59            | 113.1 |
| 19       | 12/22/2011 14:30:49 | 8.70   | 50.54           | 32.83        | 10.61           |    | 4.9               | 1.43            | 112.6 |
| 20       | 12/22/2011 14:45:49 | 8.65   | 50.39           | 32.72        | 10.69           |    | 5.3               | 1.28            | 113.3 |
| 21       | 12/22/2011 15:00:49 | 8.66   | 50.43           | 32.75        | 10.72           |    | 4.9               | 1.14            | 113.6 |
| 22       | 12/22/2011 15:15:49 | 8.67   | 50.43           | 32.75        | 10.73           |    | 4.6               | 1.01            | 113.8 |
| 23       | 12/22/2011 15:30:49 | 8.72   | 50.30           | 32.66        | 10.78           |    | 5.8               | 0.92            | 114.4 |
| 24       | 12/22/2011 15:45:49 | 8.62   | 50.33           | 32.68        | 10.84           |    | 5.3               | 0.90            | 114.8 |
| 25       | 12/22/2011 16:00:49 | 8.63   | 50.26           | 32.62        | 10.81           |    | 5.0               | 0.91            | 114.5 |
| 26       | 12/22/2011 16:15:48 | 8.47   | 50.08           | 32.49        | 10.89           |    | 5.0               | 0.98            | 114.7 |
| 27       | 12/22/2011 16:30:48 | 8.48   | 50.08           | 32.49        | 10.84           |    | 5.1               | 1.08            | 114.3 |
| 28       | 12/22/2011 16:45:48 | 8.37   | 50.01           | 32.42        | 10.84           |    | 4.8               | 1.16            | 114.0 |
| 29       | 12/22/2011 17:00:49 | 8.33   | 50.15           | 32.52        | 10.82           |    | 4.5               | 1.26            | 113.8 |
| 30       | 12/22/2011 17:15:49 | 8.08   | 49.79           | 32.24        | 10.65           |    | 5.6               | 1.31            | 111.0 |
| 31       | 12/22/2011 17:30:49 | 7.96   | 49.71           | 32.18        | 10.59           |    | 6.0               | 1.38            | 110.1 |
| 32       | 12/22/2011 17:45:49 | 8.17   | 49.77           | 32.23        | 10.65           |    | 5.4               | 1.46            | 111.3 |
| 33       | 12/22/2011 18:00:48 | 8.24   | 49.97           | 32.38        | 10.65           |    | 5.4               | 1.52            | 111.6 |
| 34       | 12/22/2011 18:15:48 | 8.17   | 49.89           | 32.32        | 10.55           |    | 6.4               | 1.61            | 110.4 |
| 35       | 12/22/2011 18:30:48 | 8.19   | 49.73           | 32.21        | 10.55           |    | 6.3               | 1.70            | 110.4 |
| 36       | 12/22/2011 18:45:49 | 8.11   | 49.98           | 32.38        | 10.51           |    | 6.0               | 1.80            | 109.8 |
| 37       | 12/22/2011 19:00:48 | 8.26   | 50.08           | 32.47        | 10.51           |    | 5.6               | 1.90            | 110.3 |
| 38       | 12/22/2011 19:15:48 | 8.35   | 50.22           | 32.57        | 10.41           |    | 5.4               | 2.03            | 109.5 |
| 39       | 12/22/2011 19:30:48 | 8.43   | 50.36           | 32.68        | 10.24           |    | 6.2               | 2.12            | 107.9 |
| 40       | 12/22/2011 19:45:49 | 8.41   | 50.46           | 32.75        | 10.19           |    | 6.0               | 2.24            | 107.4 |
| 41       | 12/22/2011 20:00:49 | 8.42   | 50.48           | 32.77        | 10.15           |    | 6.3               | 2.36            | 107.0 |
| 42       | 12/22/2011 20:15:49 | 8.42   | 50.50           | 32.78        | 10.12           |    | 6.8               | 2.45            | 106.7 |
| 43       | 12/22/2011 20:30:49 | 8.43   | 50.50           | 32.78        | 10.09           |    | 6.6               | 2.56            | 106.5 |
| 44       | 12/22/2011 20:45:49 | 8.44   | 50.59           | 32.85        | 10.07           |    | 6.7               | 2.65            | 106.3 |
| 45       | 12/22/2011 21:00:49 | 8.48   | 50.64           | 32.89        | 10.05           |    | 6.7               | 2.74            | 106.2 |
| 46       | 12/22/2011 21:15:49 | 8.49   | 50.69           | 32.92        | 10.04           |    | 7.2               | 2.82            | 106.1 |
| 47       | 12/22/2011 21:30:49 | 8.56   | 50.81           | 33.02        | 10.01           |    | 7.9               | 2.89            | 106.1 |
| 48       | 12/22/2011 21:45:49 | 8.62   | 50.87           | 33.06        | 9.99            |    | 8.6               | 2.97            | 106.0 |
| 49       | 12/22/2011 22:00:49 | 8.69   | 51.00           | 33.16        | 9.97            |    | 8.7               | 3.04            | 106.1 |
| 50       | 12/22/2011 22:15:49 | 8.72   | 51.06           | 33.21        | 9.96            |    | 7.6               | 3.10            | 106.0 |
| 51       | 12/22/2011 22:30:49 | 8.73   | 51.13           | 33.26        | 9.95            |    | 7.0               | 3.14            | 106.0 |
| 52       | 12/22/2011 22:45:49 | 8.75   | 51.15           | 33.28        | 9.93            |    | 5.9               | 3.19            | 105.8 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 53       | 12/22/2011 23:00:49 | 8.76   | 51.17           | 33.30        | 9.89            |    | 5.3               | 3.22            | 105.4 |
| 54       | 12/22/2011 23:15:49 | 8.65   | 51.04           | 33.19        | 9.87            |    | 4.9               | 3.21            | 105.0 |
| 55       | 12/22/2011 23:30:49 | 8.69   | 51.08           | 33.22        | 9.85            |    | 4.8               | 3.22            | 104.9 |
| 56       | 12/22/2011 23:45:49 | 8.71   | 51.06           | 33.21        | 9.86            |    | 4.9               | 3.19            | 105.0 |
| 57       | 12/23/2011 00:00:49 | 8.66   | 51.14           | 33.26        | 9.88            |    | 5.8               | 3.14            | 105.1 |
| 58       | 12/23/2011 00:15:49 | 8.44   | 50.96           | 33.12        | 9.89            |    | 6.4               | 3.06            | 104.6 |
| 59       | 12/23/2011 00:30:48 | 8.29   | 50.77           | 32.96        | 9.89            |    | 7.3               | 3.00            | 104.2 |
| 60       | 12/23/2011 00:45:49 | 8.35   | 50.90           | 33.06        | 9.85            |    | 5.8               | 2.94            | 104.0 |
| 61       | 12/23/2011 01:00:49 | 8.33   | 50.88           | 33.05        | 9.85            |    | 5.1               | 2.85            | 103.8 |
| 62       | 12/23/2011 01:15:49 | 8.29   | 50.84           | 33.02        | 9.85            |    | 5.1               | 2.77            | 103.7 |
| 63       | 12/23/2011 01:30:49 | 8.21   | 50.77           | 32.96        | 9.84            |    | 4.8               | 2.70            | 103.4 |
| 64       | 12/23/2011 01:45:49 | 8.14   | 50.73           | 32.92        | 9.83            |    | 4.6               | 2.62            | 103.1 |
| 65       | 12/23/2011 02:00:49 | 8.09   | 50.82           | 32.98        | 9.78            |    | 4.0               | 2.55            | 102.5 |
| 66       | 12/23/2011 02:15:49 | 8.06   | 50.62           | 32.83        | 9.85            |    | 4.5               | 2.47            | 103.1 |
| 67       | 12/23/2011 02:30:49 | 7.98   | 50.82           | 32.97        | 9.74            |    | 4.0               | 2.43            | 101.8 |
| 68       | 12/23/2011 02:45:49 | 7.96   | 50.72           | 32.90        | 9.79            |    | 4.2               | 2.37            | 102.3 |
| 69       | 12/23/2011 03:00:49 | 7.99   | 50.65           | 32.85        | 9.86            |    | 4.0               | 2.32            | 103.1 |
| 70       | 12/23/2011 03:15:49 | 7.98   | 50.54           | 32.77        | 9.93            |    | 4.2               | 2.30            | 103.7 |
| 71       | 12/23/2011 03:30:49 | 8.00   | 50.43           | 32.69        | 10.02           |    | 3.8               | 2.27            | 104.7 |
| 72       | 12/23/2011 03:45:49 | 7.84   | 50.46           | 32.70        | 9.97            |    | 3.8               | 2.28            | 103.8 |
| 73       | 12/23/2011 04:00:49 | 7.86   | 50.44           | 32.68        | 9.96            |    | 3.7               | 2.30            | 103.7 |
| 74       | 12/23/2011 04:15:49 | 7.98   | 50.43           | 32.69        | 9.94            |    | 3.8               | 2.33            | 103.8 |
| 75       | 12/23/2011 04:30:49 | 8.02   | 50.53           | 32.76        | 9.94            |    | 4.2               | 2.38            | 103.9 |
| 76       | 12/23/2011 04:45:49 | 8.06   | 50.57           | 32.80        | 9.92            |    | 4.7               | 2.44            | 103.8 |
| 77       | 12/23/2011 05:00:49 | 7.84   | 50.30           | 32.58        | 9.94            |    | 6.1               | 2.52            | 103.4 |
| 78       | 12/23/2011 05:15:49 | 8.02   | 50.52           | 32.76        | 9.93            |    | 5.6               | 2.59            | 103.8 |
| 79       | 12/23/2011 05:30:49 | 8.11   | 50.62           | 32.84        | 9.91            |    | 5.5               | 2.66            | 103.8 |
| 80       | 12/23/2011 05:45:49 | 8.16   | 50.67           | 32.88        | 9.90            |    | 5.2               | 2.75            | 103.9 |
| 81       | 12/23/2011 06:00:49 | 8.31   | 50.76           | 32.96        | 9.88            |    | 5.5               | 2.83            | 104.0 |
| 82       | 12/23/2011 06:15:49 | 8.41   | 50.88           | 33.05        | 9.88            |    | 5.7               | 2.91            | 104.4 |
| 83       | 12/23/2011 06:30:49 | 8.47   | 50.87           | 33.05        | 9.87            |    | 5.7               | 3.00            | 104.4 |
| 84       | 12/23/2011 06:45:49 | 8.52   | 50.97           | 33.13        | 9.84            |    | 6.4               | 3.09            | 104.3 |
| 85       | 12/23/2011 07:00:49 | 8.60   | 51.17           | 33.28        | 9.76            |    | 8.5               | 3.18            | 103.7 |
| 86       | 12/23/2011 07:15:49 | 8.67   | 51.25           | 33.35        | 9.62            |    | 8.4               | 3.27            | 102.5 |
| 87       | 12/23/2011 07:30:49 | 8.72   | 51.32           | 33.40        | 9.65            |    | 8.8               | 3.37            | 102.9 |
| 88       | 12/23/2011 07:45:49 | 8.76   | 51.40           | 33.46        | 9.60            |    | 9.1               | 3.48            | 102.5 |
| 89       | 12/23/2011 08:00:49 | 8.79   | 51.41           | 33.47        | 9.55            |    | 10.1              | 3.56            | 102.1 |
| 90       | 12/23/2011 08:15:49 | 8.81   | 51.54           | 33.57        | 9.51            |    | 9.8               | 3.66            | 101.7 |
| 91       | 12/23/2011 08:30:49 | 8.84   | 51.52           | 33.55        | 9.47            |    | 9.5               | 3.76            | 101.4 |
| 92       | 12/23/2011 08:45:49 | 8.86   | 51.60           | 33.61        | 9.42            |    | 8.1               | 3.84            | 100.9 |
| 93       | 12/23/2011 09:00:49 | 8.87   | 51.58           | 33.60        | 9.37            |    | 7.3               | 3.91            | 100.4 |
| 94       | 12/23/2011 09:15:49 | 8.88   | 51.63           | 33.64        | 9.34            |    | 6.0               | 3.99            | 100.1 |
| 95       | 12/23/2011 09:30:49 | 8.90   | 51.59           | 33.61        | 9.31            |    | 5.7               | 4.05            | 99.8  |
| 96       | 12/23/2011 09:45:49 | 8.85   | 51.62           | 33.62        | 9.31            |    | 4.3               | 4.08            | 99.7  |
| 97       | 12/23/2011 10:00:49 | 8.78   | 51.47           | 33.51        | 9.35            |    | 3.8               | 4.12            | 99.9  |
| 98       | 12/23/2011 10:15:49 | 8.77   | 51.50           | 33.53        | 9.33            |    | 4.5               | 4.12            | 99.7  |
| 99       | 12/23/2011 10:30:49 | 8.78   | 51.46           | 33.51        | 9.50            |    | 4.9               | 4.10            | 101.5 |
| 100      | 12/23/2011 10:45:49 | 8.90   | 51.55           | 33.58        | 9.59            |    | 5.1               | 4.04            | 102.7 |
| 101      | 12/23/2011 11:00:49 | 8.82   | 51.43           | 33.49        | 9.57            |    | 4.9               | 3.97            | 102.3 |
| 102      | 12/23/2011 11:15:49 | 8.83   | 51.49           | 33.53        | 9.56            |    | 5.4               | 3.89            | 102.3 |
| 103      | 12/23/2011 11:30:49 | 8.95   | 51.51           | 33.56        | 9.66            |    | 4.6               | 3.75            | 103.6 |
| 104      | 12/23/2011 11:45:49 | 8.87   | 51.36           | 33.44        | 9.82            |    | 4.5               | 3.64            | 105.1 |
| 105      | 12/23/2011 12:00:49 | 8.76   | 51.35           | 33.43        | 9.68            |    | 8.2               | 3.51            | 103.3 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 106      | 12/23/2011 12:15:49 | 8.79   | 51.42           | 33.48        | 9.65            |    | 7.1               | 3.40            | 103.1 |
| 107      | 12/23/2011 12:30:49 | 8.74   | 51.17           | 33.29        | 9.84            |    | 5.2               | 3.24            | 104.9 |
| 108      | 12/23/2011 12:45:49 | 8.80   | 51.19           | 33.31        | 9.94            |    | 5.1               | 3.09            | 106.1 |
| 109      | 12/23/2011 13:00:49 | 8.86   | 51.14           | 33.28        | 10.05           |    | 5.4               | 2.94            | 107.4 |
| 110      | 12/23/2011 13:15:48 | 8.94   | 51.17           | 33.31        | 10.14           |    | 5.6               | 2.76            | 108.6 |
| 111      | 12/23/2011 13:30:48 | 8.91   | 51.17           | 33.31        | 10.13           |    | 5.6               | 2.64            | 108.4 |
| 112      | 12/23/2011 13:45:49 | 8.84   | 51.08           | 33.23        | 10.25           |    | 5.7               | 2.50            | 109.5 |
| 113      | 12/23/2011 14:00:49 | 8.77   | 50.87           | 33.08        | 10.41           |    | 8.2               | 2.30            | 110.9 |
| 114      | 12/23/2011 14:15:49 | 8.77   | 50.84           | 33.06        | 10.45           |    | 8.5               | 2.10            | 111.3 |
| 115      | 12/23/2011 14:30:49 | 8.61   | 50.62           | 32.88        | 10.63           |    | 8.7               | 1.99            | 112.7 |
| 116      | 12/23/2011 14:45:49 | 8.55   | 50.61           | 32.87        | 10.68           |    | 7.1               | 1.78            | 113.1 |
| 117      | 12/23/2011 15:00:49 | 8.55   | 50.52           | 32.81        | 10.69           |    | 6.3               | 1.60            | 113.1 |
| 118      | 12/23/2011 15:15:49 | 8.60   | 50.64           | 32.89        | 10.69           |    | 5.6               | 1.44            | 113.3 |
| 119      | 12/23/2011 15:30:49 | 8.61   | 50.66           | 32.91        | 10.73           |    | 4.6               | 1.31            | 113.8 |
| 120      | 12/23/2011 15:45:49 | 8.62   | 50.48           | 32.78        | 10.83           |    | 19.1              | 1.13            | 114.8 |
| 121      | 12/23/2011 16:00:49 | 8.54   | 50.49           | 32.78        | 10.89           |    | 9.1               | 0.98            | 115.2 |
| 122      | 12/23/2011 16:15:49 | 8.64   | 50.55           | 32.83        | 10.81           |    | 8.9               | 0.89            | 114.6 |
| 123      | 12/23/2011 16:30:49 | 8.63   | 50.53           | 32.82        | 10.76           |    | 9.7               | 0.81            | 114.1 |
| 124      | 12/23/2011 16:45:49 | 8.34   | 50.41           | 32.71        | 11.05           |    | 5.7               | 0.86            | 116.3 |
| 125      | 12/23/2011 17:00:49 | 8.27   | 50.33           | 32.64        | 11.04           |    | 5.4               | 0.90            | 115.9 |
| 126      | 12/23/2011 17:15:49 | 8.21   | 50.20           | 32.55        | 10.93           |    | 4.9               | 0.98            | 114.6 |
| 127      | 12/23/2011 17:30:48 | 8.17   | 49.96           | 32.37        | 10.90           |    | 5.1               | 1.05            | 114.0 |
| 128      | 12/23/2011 17:45:49 | 8.06   | 50.12           | 32.48        | 10.90           |    | 5.4               | 1.11            | 113.9 |
| 129      | 12/23/2011 18:00:49 | 8.01   | 50.02           | 32.40        | 10.94           |    | 5.6               | 1.25            | 114.1 |
| 130      | 12/23/2011 18:15:49 | 7.92   | 50.12           | 32.47        | 10.81           |    | 5.5               | 1.26            | 112.6 |
| 131      | 12/23/2011 18:30:49 | 7.89   | 49.93           | 32.33        | 10.75           |    | 6.0               | 1.35            | 111.7 |
| 132      | 12/23/2011 18:45:49 | 8.04   | 50.02           | 32.40        | 10.76           |    | 5.6               | 1.41            | 112.3 |
| 133      | 12/23/2011 19:00:49 | 8.08   | 49.97           | 32.37        | 10.78           |    | 5.8               | 1.50            | 112.6 |
| 134      | 12/23/2011 19:15:49 | 7.96   | 49.96           | 32.35        | 10.65           |    | 6.7               | 1.63            | 110.9 |
| 135      | 12/23/2011 19:30:49 | 7.91   | 49.91           | 32.31        | 10.60           |    | 7.3               | 1.71            | 110.2 |
| 136      | 12/23/2011 19:45:49 | 8.06   | 50.08           | 32.45        | 10.60           |    | 7.0               | 1.80            | 110.6 |
| 137      | 12/23/2011 20:00:49 | 8.18   | 50.28           | 32.60        | 10.59           |    | 7.3               | 1.93            | 111.0 |
| 138      | 12/23/2011 20:15:49 | 8.32   | 50.39           | 32.69        | 10.45           |    | 7.0               | 2.10            | 109.9 |
| 139      | 12/23/2011 20:30:49 | 8.32   | 50.40           | 32.70        | 10.37           |    | 7.0               | 2.20            | 109.1 |
| 140      | 12/23/2011 20:45:49 | 8.34   | 50.43           | 32.72        | 10.31           |    | 7.2               | 2.32            | 108.5 |
| 141      | 12/23/2011 21:00:49 | 8.34   | 50.43           | 32.73        | 10.30           |    | 7.4               | 2.46            | 108.4 |
| 142      | 12/23/2011 21:15:49 | 8.36   | 50.50           | 32.78        | 10.26           |    | 7.8               | 2.53            | 108.1 |
| 143      | 12/23/2011 21:30:49 | 8.40   | 50.61           | 32.86        | 10.19           |    | 8.5               | 2.66            | 107.5 |
| 144      | 12/23/2011 21:45:49 | 8.44   | 50.66           | 32.90        | 10.14           |    | 8.8               | 2.72            | 107.1 |
| 145      | 12/23/2011 22:00:49 | 8.50   | 50.66           | 32.91        | 10.07           |    | 10.1              | 2.81            | 106.5 |
| 146      | 12/23/2011 22:15:49 | 8.56   | 50.84           | 33.04        | 9.97            |    | 11.2              | 2.90            | 105.7 |
| 147      | 12/23/2011 22:30:49 | 8.64   | 51.04           | 33.19        | 9.93            |    | 11.5              | 3.02            | 105.5 |
| 148      | 12/23/2011 22:45:49 | 8.70   | 51.07           | 33.22        | 9.98            |    | 11.4              | 3.09            | 106.2 |
| 149      | 12/23/2011 23:00:49 | 8.75   | 51.15           | 33.28        | 10.04           |    | 11.6              | 3.17            | 107.1 |
| 150      | 12/23/2011 23:15:49 | 8.79   | 51.17           | 33.30        | 10.06           |    | 11.2              | 3.18            | 107.4 |
| 151      | 12/23/2011 23:30:49 | 8.82   | 51.22           | 33.34        | 10.08           |    | 10.1              | 3.26            | 107.7 |
| 152      | 12/23/2011 23:45:49 | 8.92   | 51.33           | 33.42        | 10.16           |    | 8.2               | 3.28            | 108.9 |
| 153      | 12/24/2011 00:00:49 | 8.91   | 51.38           | 33.46        | 10.17           |    | 5.6               | 3.33            | 108.9 |
| 154      | 12/24/2011 00:15:49 | 8.87   | 51.35           | 33.44        | 10.14           |    | 6.0               | 3.32            | 108.5 |
| 155      | 12/24/2011 00:30:49 | 8.82   | 51.29           | 33.38        | 10.07           |    | 6.8               | 3.29            | 107.6 |
| 156      | 12/24/2011 00:45:49 | 8.88   | 51.37           | 33.45        | 10.13           |    | 7.0               | 3.24            | 108.4 |
| 157      | 12/24/2011 01:00:49 | 8.78   | 51.25           | 33.35        | 10.07           |    | 8.3               | 3.14            | 107.4 |
| 158      | 12/24/2011 01:15:49 | 8.47   | 51.03           | 33.17        | 9.92            |    | 7.6               | 3.15            | 105.0 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 159      | 12/24/2011 01:30:49 | 8.44   | 51.16           | 33.26        | 9.84            |    | 6.0               | 3.04            | 104.1 |
| 160      | 12/24/2011 01:45:49 | 8.55   | 51.23           | 33.32        | 9.98            |    | 6.0               | 2.98            | 105.9 |
| 161      | 12/24/2011 02:00:49 | 8.42   | 51.06           | 33.19        | 9.95            |    | 5.6               | 2.88            | 105.2 |
| 162      | 12/24/2011 02:15:49 | 8.31   | 50.95           | 33.09        | 9.86            |    | 5.4               | 2.80            | 104.0 |
| 163      | 12/24/2011 02:30:49 | 8.23   | 50.88           | 33.04        | 9.87            |    | 5.0               | 2.71            | 103.8 |
| 164      | 12/24/2011 02:45:49 | 8.12   | 50.81           | 32.98        | 9.88            |    | 5.1               | 2.62            | 103.7 |
| 165      | 12/24/2011 03:00:49 | 8.04   | 50.71           | 32.90        | 9.95            |    | 5.4               | 2.57            | 104.1 |
| 166      | 12/24/2011 03:15:49 | 8.15   | 50.45           | 32.72        | 9.94            |    | 5.2               | 2.51            | 104.2 |
| 167      | 12/24/2011 03:30:49 | 8.05   | 50.69           | 32.89        | 9.94            |    | 5.1               | 2.38            | 104.1 |
| 168      | 12/24/2011 03:45:49 | 8.02   | 50.84           | 32.99        | 9.88            |    | 4.5               | 2.37            | 103.5 |
| 169      | 12/24/2011 04:00:49 | 7.96   | 50.66           | 32.86        | 9.96            |    | 4.7               | 2.34            | 104.0 |
| 170      | 12/24/2011 04:15:49 | 7.97   | 50.59           | 32.81        | 10.05           |    | 4.6               | 2.28            | 105.0 |
| 171      | 12/24/2011 04:30:49 | 7.92   | 50.60           | 32.81        | 10.02           |    | 4.1               | 2.30            | 104.6 |
| 172      | 12/24/2011 04:45:49 | 7.85   | 50.59           | 32.79        | 10.01           |    | 4.5               | 2.29            | 104.3 |
| 173      | 12/24/2011 05:00:49 | 7.77   | 50.44           | 32.68        | 10.06           |    | 3.8               | 2.27            | 104.5 |
| 174      | 12/24/2011 05:15:49 | 7.89   | 50.58           | 32.79        | 10.02           |    | 4.1               | 2.32            | 104.5 |
| 175      | 12/24/2011 05:30:49 | 7.94   | 50.55           | 32.77        | 10.02           |    | 4.6               | 2.39            | 104.6 |
| 176      | 12/24/2011 05:45:49 | 7.99   | 50.61           | 32.83        | 9.99            |    | 5.2               | 2.43            | 104.4 |
| 177      | 12/24/2011 06:00:49 | 7.74   | 50.49           | 32.71        | 10.01           |    | 7.3               | 2.50            | 103.9 |
| 178      | 12/24/2011 06:15:49 | 7.95   | 50.65           | 32.85        | 9.97            |    | 6.3               | 2.59            | 104.1 |
| 179      | 12/24/2011 06:30:49 | 8.07   | 50.72           | 32.91        | 9.94            |    | 5.9               | 2.67            | 104.1 |
| 180      | 12/24/2011 06:45:49 | 8.12   | 50.81           | 32.98        | 9.92            |    | 6.0               | 2.74            | 104.1 |
| 181      | 12/24/2011 07:00:49 | 8.32   | 50.89           | 33.05        | 9.96            |    | 6.0               | 2.81            | 105.0 |
| 182      | 12/24/2011 07:15:49 | 8.46   | 51.02           | 33.16        | 10.03           |    | 6.2               | 2.90            | 106.1 |
| 183      | 12/24/2011 07:30:49 | 8.52   | 51.00           | 33.15        | 10.05           |    | 7.1               | 3.01            | 106.6 |
| 184      | 12/24/2011 07:45:49 | 8.58   | 51.15           | 33.26        | 10.08           |    | 7.8               | 3.09            | 107.1 |
| 185      | 12/24/2011 08:00:49 | 8.67   | 51.25           | 33.34        | 10.11           |    | 8.9               | 3.19            | 107.7 |
| 186      | 12/24/2011 08:15:49 | 8.76   | 51.37           | 33.44        | 10.15           |    | 9.3               | 3.27            | 108.3 |
| 187      | 12/24/2011 08:30:49 | 8.82   | 51.33           | 33.41        | 10.17           |    | 10.1              | 3.37            | 108.7 |
| 188      | 12/24/2011 08:45:49 | 8.87   | 51.48           | 33.53        | 10.17           |    | 10.1              | 3.49            | 108.9 |
| 189      | 12/24/2011 09:00:49 | 8.90   | 51.58           | 33.60        | 10.18           |    | 11.9              | 3.59            | 109.1 |
| 190      | 12/24/2011 09:15:49 | 8.90   | 51.58           | 33.60        | 10.18           |    | 10.2              | 3.67            | 109.2 |
| 191      | 12/24/2011 09:30:49 | 8.89   | 51.61           | 33.62        | 10.17           |    | 10.4              | 3.78            | 109.0 |
| 192      | 12/24/2011 09:45:49 | 8.92   | 51.58           | 33.61        | 10.17           |    | 8.4               | 3.85            | 109.1 |
| 193      | 12/24/2011 10:00:49 | 8.97   | 51.63           | 33.65        | 10.19           |    | 7.5               | 3.93            | 109.4 |
| 194      | 12/24/2011 10:15:49 | 8.99   | 51.51           | 33.56        | 10.19           |    | 6.8               | 3.99            | 109.4 |
| 195      | 12/24/2011 10:30:48 | 9.00   | 51.51           | 33.56        | 10.18           |    | 5.8               | 4.05            | 109.4 |
| 196      | 12/24/2011 10:45:48 | 8.98   | 51.46           | 33.52        | 10.14           |    | 5.0               | 4.07            | 108.9 |
| 197      | 12/24/2011 11:00:49 | 8.81   | 51.47           | 33.51        | 10.11           |    | 5.2               | 4.08            | 108.1 |
| 198      | 12/24/2011 11:15:49 | 8.84   | 51.45           | 33.50        | 10.15           |    | 5.3               | 4.09            | 108.6 |
| 199      | 12/24/2011 11:30:49 | 9.03   | 51.53           | 33.57        | 10.31           |    | 5.5               | 4.03            | 110.8 |
| 200      | 12/24/2011 11:45:49 | 8.99   | 51.47           | 33.53        | 10.31           |    | 5.7               | 3.99            | 110.6 |
| 201      | 12/24/2011 12:00:49 | 8.94   | 51.50           | 33.54        | 10.35           |    | 6.0               | 3.89            | 111.0 |
| 202      | 12/24/2011 12:15:49 | 9.10   | 51.53           | 33.58        | 10.36           |    | 5.0               | 3.80            | 111.5 |
| 203      | 12/24/2011 12:30:49 | 9.10   | 51.48           | 33.55        | 10.40           |    | 6.1               | 3.66            | 112.0 |
| 204      | 12/24/2011 12:45:49 | 9.02   | 51.46           | 33.52        | 10.39           |    | 5.9               | 3.54            | 111.6 |
| 205      | 12/24/2011 13:00:49 | 8.90   | 51.44           | 33.50        | 10.24           |    | 8.5               | 3.39            | 109.7 |
| 206      | 12/24/2011 13:15:49 | 8.89   | 51.46           | 33.52        | 10.25           |    | 9.3               | 3.26            | 109.8 |
| 207      | 12/24/2011 13:30:49 | 8.88   | 51.34           | 33.43        | 10.33           |    | 7.0               | 3.10            | 110.6 |
| 208      | 12/24/2011 13:45:49 | 8.93   | 51.32           | 33.41        | 10.49           |    | 5.8               | 2.97            | 112.4 |
| 209      | 12/24/2011 14:00:49 | 9.04   | 51.36           | 33.45        | 10.53           |    | 5.7               | 2.80            | 113.1 |
| 210      | 12/24/2011 14:15:49 | 9.04   | 51.38           | 33.47        | 10.55           |    | 5.7               | 2.64            | 113.4 |
| 211      | 12/24/2011 14:30:49 | 8.91   | 51.08           | 33.24        | 10.66           |    | 7.0               | 2.48            | 114.0 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 212      | 12/24/2011 14:45:49 | 8.88   | 51.12           | 33.27        | 10.69           |    | 6.0               | 2.32            | 114.3 |
| 213      | 12/24/2011 15:00:49 | 8.78   | 50.92           | 33.12        | 10.67           |    | 6.3               | 2.15            | 113.7 |
| 214      | 12/24/2011 15:15:49 | 8.71   | 50.93           | 33.12        | 10.70           |    | 8.2               | 1.97            | 113.9 |
| 215      | 12/24/2011 15:30:49 | 8.68   | 50.74           | 32.98        | 10.77           |    | 7.2               | 1.77            | 114.4 |
| 216      | 12/24/2011 15:45:49 | 8.67   | 50.66           | 32.92        | 10.76           |    | 6.5               | 1.62            | 114.2 |
| 217      | 12/24/2011 16:00:49 | 8.65   | 50.77           | 33.00        | 10.73           |    | 5.7               | 1.43            | 113.9 |
| 218      | 12/24/2011 16:15:49 | 8.62   | 50.69           | 32.94        | 10.78           |    | 6.0               | 1.26            | 114.4 |
| 219      | 12/24/2011 16:30:49 | 8.56   | 50.66           | 32.91        | 10.86           |    | 5.8               | 1.08            | 115.1 |
| 220      | 12/24/2011 16:45:49 | 8.49   | 50.55           | 32.82        | 10.93           |    | 5.7               | 0.91            | 115.5 |
| 221      | 12/24/2011 17:00:49 | 8.49   | 50.44           | 32.75        | 10.94           |    | 5.5               | 0.80            | 115.6 |
| 222      | 12/24/2011 17:15:49 | 8.47   | 50.56           | 32.83        | 10.96           |    | 5.1               | 0.75            | 115.8 |
| 223      | 12/24/2011 17:30:49 | 8.37   | 50.39           | 32.70        | 11.03           |    | 5.2               | 0.72            | 116.2 |
| 224      | 12/24/2011 17:45:49 | 8.28   | 50.43           | 32.72        | 11.12           |    | 5.2               | 0.79            | 116.9 |
| 225      | 12/24/2011 18:00:49 | 8.18   | 50.32           | 32.63        | 11.07           |    | 5.5               | 0.88            | 116.1 |
| 226      | 12/24/2011 18:15:49 | 8.02   | 50.26           | 32.58        | 10.96           |    | 5.4               | 1.02            | 114.4 |
| 227      | 12/24/2011 18:30:49 | 7.97   | 50.22           | 32.54        | 10.92           |    | 5.3               | 1.10            | 113.8 |
| 228      | 12/24/2011 18:45:49 | 7.99   | 50.30           | 32.60        | 10.91           |    | 5.2               | 1.18            | 113.9 |
| 229      | 12/24/2011 19:00:49 | 7.79   | 50.03           | 32.39        | 10.71           |    | 6.5               | 1.23            | 111.1 |
| 230      | 12/24/2011 19:15:49 | 7.86   | 50.06           | 32.41        | 10.73           |    | 6.0               | 1.30            | 111.5 |
| 231      | 12/24/2011 19:30:49 | 7.83   | 50.02           | 32.38        | 10.73           |    | 6.1               | 1.38            | 111.4 |
| 232      | 12/24/2011 19:45:49 | 7.94   | 50.13           | 32.47        | 10.81           |    | 6.5               | 1.48            | 112.5 |
| 233      | 12/24/2011 20:00:49 | 7.96   | 50.15           | 32.49        | 10.74           |    | 7.0               | 1.57            | 111.9 |
| 234      | 12/24/2011 20:15:49 | 7.98   | 50.24           | 32.55        | 10.69           |    | 6.7               | 1.68            | 111.5 |
| 235      | 12/24/2011 20:30:49 | 8.13   | 50.40           | 32.68        | 10.74           |    | 6.0               | 1.79            | 112.5 |
| 236      | 12/24/2011 20:45:49 | 8.26   | 50.48           | 32.75        | 10.64           |    | 6.6               | 1.91            | 111.8 |
| 237      | 12/24/2011 21:00:49 | 8.32   | 50.50           | 32.77        | 10.56           |    | 7.0               | 2.05            | 111.1 |
| 238      | 12/24/2011 21:15:49 | 8.34   | 50.54           | 32.81        | 10.51           |    | 7.5               | 2.18            | 110.6 |
| 239      | 12/24/2011 21:30:49 | 8.39   | 50.60           | 32.85        | 10.47           |    | 7.6               | 2.30            | 110.4 |
| 240      | 12/24/2011 21:45:49 | 8.41   | 50.62           | 32.87        | 10.46           |    | 7.6               | 2.43            | 110.3 |
| 241      | 12/24/2011 22:00:49 | 8.46   | 50.62           | 32.87        | 10.41           |    | 8.7               | 2.54            | 110.0 |
| 242      | 12/24/2011 22:15:49 | 8.50   | 50.69           | 32.93        | 10.39           |    | 10.7              | 2.65            | 109.9 |
| 243      | 12/24/2011 22:30:49 | 8.56   | 50.79           | 33.00        | 10.35           |    | 11.0              | 2.75            | 109.7 |
| 244      | 12/24/2011 22:45:49 | 8.68   | 50.99           | 33.15        | 10.30           |    | 13.6              | 2.85            | 109.5 |
| 245      | 12/24/2011 23:00:49 | 8.81   | 51.05           | 33.21        | 10.29           |    | 13.2              | 2.94            | 109.8 |
| 246      | 12/24/2011 23:15:48 | 8.90   | 51.23           | 33.35        | 10.26           |    | 13.2              | 3.02            | 109.8 |
| 247      | 12/24/2011 23:30:49 | 8.97   | 51.30           | 33.41        | 10.18           |    | 11.5              | 3.11            | 109.1 |
| 248      | 12/24/2011 23:45:49 | 8.99   | 51.34           | 33.44        | 10.13           |    | 10.7              | 3.18            | 108.7 |
| 249      | 12/25/2011 00:00:49 | 8.99   | 51.37           | 33.46        | 10.11           |    | 9.9               | 3.25            | 108.5 |
| 250      | 12/25/2011 00:15:49 | 9.00   | 51.36           | 33.45        | 10.07           |    | 9.3               | 3.32            | 108.1 |
| 251      | 12/25/2011 00:30:49 | 9.01   | 51.45           | 33.51        | 10.02           |    | 6.7               | 3.36            | 107.6 |
| 252      | 12/25/2011 00:45:49 | 9.02   | 51.42           | 33.50        | 9.98            |    | 6.2               | 3.36            | 107.2 |
| 253      | 12/25/2011 01:00:49 | 8.92   | 51.25           | 33.36        | 9.98            |    | 5.6               | 3.39            | 106.8 |
| 254      | 12/25/2011 01:15:49 | 8.92   | 51.33           | 33.42        | 10.00           |    | 6.2               | 3.37            | 107.2 |
| 255      | 12/25/2011 01:30:49 | 8.93   | 51.31           | 33.41        | 10.03           |    | 6.1               | 3.32            | 107.4 |
| 256      | 12/25/2011 01:45:49 | 8.90   | 51.32           | 33.41        | 10.06           |    | 11.4              | 3.26            | 107.7 |
| 257      | 12/25/2011 02:00:49 | 8.56   | 50.84           | 33.04        | 10.09           |    | 6.3               | 3.18            | 106.9 |
| 258      | 12/25/2011 02:15:49 | 8.74   | 51.10           | 33.24        | 10.07           |    | 7.1               | 3.09            | 107.3 |
| 259      | 12/25/2011 02:30:49 | 8.79   | 51.10           | 33.25        | 10.06           |    | 7.8               | 3.00            | 107.3 |
| 260      | 12/25/2011 02:45:49 | 8.70   | 50.97           | 33.15        | 10.09           |    | 7.5               | 2.90            | 107.4 |
| 261      | 12/25/2011 03:00:49 | 8.70   | 50.96           | 33.14        | 10.09           |    | 7.3               | 2.82            | 107.3 |
| 262      | 12/25/2011 03:15:49 | 8.62   | 50.92           | 33.10        | 10.09           |    | 6.3               | 2.75            | 107.1 |
| 263      | 12/25/2011 03:30:49 | 8.58   | 50.96           | 33.12        | 10.10           |    | 5.9               | 2.66            | 107.2 |
| 264      | 12/25/2011 03:45:49 | 8.55   | 50.97           | 33.13        | 10.10           |    | 5.4               | 2.59            | 107.1 |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 265      | 12/25/2011 04:00:49 | 8.62   | 51.04           | 33.19        | 10.07           |    | 5.1               | 2.53            | 107.0 |
| 266      | 12/25/2011 04:15:49 | 8.58   | 51.01           | 33.16        | 10.08           |    | 5.2               | 2.44            | 106.9 |
| 267      | 12/25/2011 04:30:49 | 8.52   | 50.96           | 33.12        | 10.10           |    | 5.4               | 2.38            | 107.0 |
| 268      | 12/25/2011 04:45:49 | 8.45   | 50.80           | 33.00        | 10.10           |    | 4.9               | 2.35            | 106.8 |
| 269      | 12/25/2011 05:00:49 | 8.40   | 50.68           | 32.91        | 10.10           |    | 4.8               | 2.29            | 106.6 |
| 270      | 12/25/2011 05:15:49 | 8.32   | 50.58           | 32.83        | 10.12           |    | 4.5               | 2.25            | 106.5 |
| 271      | 12/25/2011 05:30:49 | 8.21   | 50.54           | 32.79        | 10.15           |    | 4.4               | 2.25            | 106.6 |
| 272      | 12/25/2011 05:45:49 | 8.14   | 50.33           | 32.64        | 10.13           |    | 4.2               | 2.26            | 106.1 |
| 273      | 12/25/2011 06:00:49 | 8.09   | 50.45           | 32.71        | 10.14           |    | 4.1               | 2.27            | 106.1 |
| 274      | 12/25/2011 06:15:49 | 8.20   | 50.55           | 32.80        | 10.14           |    | 4.3               | 2.31            | 106.4 |
| 275      | 12/25/2011 06:30:49 | 8.24   | 50.63           | 32.86        | 10.13           |    | 4.7               | 2.38            | 106.4 |
| 276      | 12/25/2011 06:45:49 | 8.26   | 50.59           | 32.83        | 10.12           |    | 5.2               | 2.43            | 106.4 |
| 277      | 12/25/2011 07:00:49 | 8.05   | 50.49           | 32.74        | 10.12           |    | 7.5               | 2.52            | 105.8 |
| 278      | 12/25/2011 07:15:49 | 8.26   | 50.65           | 32.87        | 10.11           |    | 6.1               | 2.60            | 106.3 |
| 279      | 12/25/2011 07:30:49 | 8.36   | 50.74           | 32.95        | 10.09           |    | 6.3               | 2.68            | 106.5 |
| 280      | 12/25/2011 07:45:49 | 8.42   | 50.77           | 32.98        | 10.09           |    | 5.9               | 2.75            | 106.5 |
| 281      | 12/25/2011 08:00:49 | 8.59   | 50.97           | 33.14        | 10.05           |    | 6.2               | 2.85            | 106.7 |
| 282      | 12/25/2011 08:15:49 | 8.68   | 51.09           | 33.23        | 10.06           |    | 6.3               | 2.93            | 107.0 |
| 283      | 12/25/2011 08:30:49 | 8.73   | 51.12           | 33.26        | 10.04           |    | 7.3               | 3.01            | 107.0 |
| 284      | 12/25/2011 08:45:49 | 8.82   | 51.19           | 33.31        | 9.98            |    | 8.5               | 3.11            | 106.5 |
| 285      | 12/25/2011 09:00:49 | 8.88   | 51.34           | 33.42        | 9.92            |    | 8.8               | 3.21            | 106.2 |
| 286      | 12/25/2011 09:15:49 | 8.94   | 51.39           | 33.47        | 9.87            |    | 10.0              | 3.31            | 105.8 |
| 287      | 12/25/2011 09:30:49 | 8.98   | 51.42           | 33.50        | 9.82            |    | 11.2              | 3.41            | 105.4 |
| 288      | 12/25/2011 09:45:49 | 9.03   | 51.48           | 33.54        | 9.75            |    | 10.7              | 3.52            | 104.8 |
| 289      | 12/25/2011 10:00:49 | 9.07   | 51.54           | 33.59        | 9.68            |    | 11.3              | 3.62            | 104.2 |
| 290      | 12/25/2011 10:15:49 | 9.10   | 51.60           | 33.63        | 9.64            |    | 12.1              | 3.71            | 103.8 |
| 291      | 12/25/2011 10:30:49 | 9.12   | 51.56           | 33.60        | 9.59            |    | 11.4              | 3.81            | 103.4 |
| 292      | 12/25/2011 10:45:49 | 9.14   | 51.58           | 33.62        | 9.54            |    | 9.0               | 3.88            | 102.8 |
| 293      | 12/25/2011 11:00:49 | 9.15   | 51.55           | 33.60        | 9.51            |    | 7.0               | 3.96            | 102.6 |
| 294      | 12/25/2011 11:15:49 | 9.16   | 51.71           | 33.72        | 9.46            |    | 6.2               | 4.01            | 102.0 |
| 295      | 12/25/2011 11:30:49 | 9.15   | 51.72           | 33.72        | 9.44            |    | 5.3               | 4.04            | 101.9 |
| 296      | 12/25/2011 11:45:49 | 9.00   | 51.56           | 33.60        | 9.64            |    | 5.1               | 4.06            | 103.5 |
| 297      | 12/25/2011 12:00:49 | 9.09   | 51.50           | 33.56        | 9.52            |    | 5.6               | 4.04            | 102.5 |
| 298      | 12/25/2011 12:15:49 | 9.06   | 51.43           | 33.51        | 9.73            |    | 7.7               | 4.02            | 104.6 |
| 299      | 12/25/2011 12:30:49 | 9.11   | 51.61           | 33.64        | 9.54            |    | 6.2               | 3.96            | 102.7 |
| 300      | 12/25/2011 12:45:49 | 9.06   | 51.50           | 33.56        | 9.66            |    | 6.6               | 3.86            | 103.9 |
| 301      | 12/25/2011 13:00:49 | 9.04   | 51.33           | 33.43        | 9.83            |    | 6.3               | 3.77            | 105.6 |
| 302      | 12/25/2011 13:15:49 | 9.08   | 51.42           | 33.50        | 9.75            |    | 5.7               | 3.64            | 104.8 |
| 303      | 12/25/2011 13:30:49 | 8.96   | 51.39           | 33.47        | 9.80            |    | 7.2               | 3.51            | 105.1 |
| 304      | 12/25/2011 13:45:49 | 8.95   | 51.41           | 33.49        | 9.75            |    | 8.8               | 3.38            | 104.5 |
| 305      | 12/25/2011 14:00:49 | 8.96   | 51.35           | 33.44        | 9.76            |    | 8.2               | 3.24            | 104.6 |
| 306      | 12/25/2011 14:15:49 | 8.92   | 51.36           | 33.45        | 9.81            |    | 6.8               | 3.10            | 105.1 |
| 307      | 12/25/2011 14:30:49 | 8.89   | 51.30           | 33.40        | 9.88            |    | 6.3               | 2.94            | 105.7 |
| 308      | 12/25/2011 14:45:49 | 8.95   | 51.31           | 33.41        | 9.88            |    | 5.3               | 2.81            | 105.9 |
| 309      | 12/25/2011 15:00:49 | 8.94   | 51.29           | 33.39        | 9.89            |    | 6.2               | 2.64            | 105.9 |
| 310      | 12/25/2011 15:15:49 | 8.93   | 51.32           | 33.41        | 9.90            |    | 5.2               | 2.49            | 106.0 |
| 311      | 12/25/2011 15:30:49 | 8.84   | 51.03           | 33.20        | 10.02           |    | 6.5               | 2.32            | 107.0 |
| 312      | 12/25/2011 15:45:49 | 8.71   | 51.00           | 33.17        | 10.09           |    | 9.3               | 2.14            | 107.4 |
| 313      | 12/25/2011 16:00:49 | 8.63   | 50.87           | 33.07        | 10.14           |    | 9.3               | 1.97            | 107.7 |
| 314      | 12/25/2011 16:15:49 | 8.55   | 50.70           | 32.94        | 10.20           |    | 8.8               | 1.79            | 108.0 |
| 315      | 12/25/2011 16:30:49 | 8.49   | 50.51           | 32.79        | 10.19           |    | 7.6               | 1.62            | 107.6 |
| 316      | 12/25/2011 16:45:49 | 8.50   | 50.71           | 32.94        | 10.16           |    | 6.8               | 1.44            | 107.5 |
| 317      | 12/25/2011 17:00:49 | 8.54   | 50.72           | 32.95        | 10.14           |    | 6.7               | 1.25            | 107.4 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 318      | 12/25/2011 17:15:49 | 8.48   | 50.72           | 32.94        | 10.15           |    | 6.3               | 1.08            | 107.3 |
| 319      | 12/25/2011 17:30:49 | 8.44   | 50.59           | 32.85        | 10.15           |    | 6.7               | 0.91            | 107.1 |
| 320      | 12/25/2011 17:45:49 | 8.44   | 50.51           | 32.79        | 10.14           |    | 6.3               | 0.80            | 107.0 |
| 321      | 12/25/2011 18:00:49 | 8.43   | 50.50           | 32.78        | 10.11           |    | 5.9               | 0.76            | 106.7 |
| 322      | 12/25/2011 18:15:49 | 8.34   | 50.51           | 32.78        | 10.19           |    | 5.4               | 0.75            | 107.3 |
| 323      | 12/25/2011 18:30:49 | 8.11   | 50.27           | 32.59        | 10.15           |    | 5.7               | 0.81            | 106.2 |
| 324      | 12/25/2011 18:45:49 | 8.11   | 50.38           | 32.67        | 10.14           |    | 5.5               | 0.91            | 106.2 |
| 325      | 12/25/2011 19:00:49 | 8.06   | 50.29           | 32.60        | 10.13           |    | 5.4               | 1.02            | 105.9 |
| 326      | 12/25/2011 19:15:49 | 8.01   | 50.23           | 32.55        | 10.13           |    | 4.9               | 1.09            | 105.7 |
| 327      | 12/25/2011 19:30:49 | 8.03   | 50.26           | 32.57        | 10.16           |    | 4.7               | 1.18            | 106.1 |
| 328      | 12/25/2011 19:45:49 | 7.91   | 50.04           | 32.40        | 10.08           |    | 6.1               | 1.25            | 104.8 |
| 329      | 12/25/2011 20:00:49 | 7.87   | 49.98           | 32.36        | 10.05           |    | 6.7               | 1.30            | 104.4 |
| 330      | 12/25/2011 20:15:49 | 7.97   | 50.16           | 32.49        | 10.10           |    | 6.0               | 1.40            | 105.3 |
| 331      | 12/25/2011 20:30:49 | 8.03   | 50.19           | 32.52        | 10.10           |    | 6.0               | 1.50            | 105.5 |
| 332      | 12/25/2011 20:45:49 | 8.01   | 50.17           | 32.51        | 10.08           |    | 6.5               | 1.59            | 105.1 |
| 333      | 12/25/2011 21:00:49 | 8.10   | 50.22           | 32.55        | 10.08           |    | 6.8               | 1.72            | 105.4 |
| 334      | 12/25/2011 21:15:49 | 8.20   | 50.42           | 32.70        | 10.09           |    | 6.4               | 1.83            | 105.9 |
| 335      | 12/25/2011 21:30:49 | 8.34   | 50.51           | 32.78        | 10.06           |    | 7.7               | 1.95            | 106.0 |
| 336      | 12/25/2011 21:45:49 | 8.39   | 50.64           | 32.88        | 10.06           |    | 7.6               | 2.08            | 106.1 |
| 337      | 12/25/2011 22:00:49 | 8.42   | 50.67           | 32.90        | 10.06           |    | 7.6               | 2.20            | 106.2 |
| 338      | 12/25/2011 22:15:49 | 8.44   | 50.59           | 32.84        | 10.05           |    | 7.9               | 2.34            | 106.1 |
| 339      | 12/25/2011 22:30:49 | 8.46   | 50.60           | 32.86        | 10.05           |    | 8.2               | 2.46            | 106.2 |
| 340      | 12/25/2011 22:45:48 | 8.52   | 50.62           | 32.87        | 10.02           |    | 9.3               | 2.57            | 106.0 |
| 341      | 12/25/2011 23:00:49 | 8.58   | 50.80           | 33.01        | 9.99            |    | 10.0              | 2.67            | 105.9 |
| 342      | 12/25/2011 23:15:49 | 8.63   | 50.90           | 33.09        | 9.94            |    | 12.2              | 2.77            | 105.6 |
| 343      | 12/25/2011 23:30:49 | 8.76   | 50.92           | 33.11        | 9.90            |    | 13.6              | 2.88            | 105.5 |
| 344      | 12/25/2011 23:45:49 | 8.88   | 51.19           | 33.32        | 9.89            |    | 13.2              | 2.98            | 105.8 |
| 345      | 12/26/2011 00:00:49 | 8.97   | 51.28           | 33.39        | 9.86            |    | 11.9              | 3.05            | 105.7 |
| 346      | 12/26/2011 00:15:49 | 9.08   | 51.37           | 33.46        | 9.76            |    | 13.1              | 3.14            | 104.9 |
| 347      | 12/26/2011 00:30:49 | 9.14   | 51.46           | 33.54        | 9.69            |    | 10.1              | 3.22            | 104.4 |
| 348      | 12/26/2011 00:45:49 | 9.14   | 51.45           | 33.53        | 9.67            |    | 8.9               | 3.29            | 104.1 |
| 349      | 12/26/2011 01:00:49 | 9.14   | 51.46           | 33.54        | 9.62            |    | 7.8               | 3.34            | 103.6 |
| 350      | 12/26/2011 01:15:49 | 9.14   | 51.48           | 33.55        | 9.58            |    | 7.0               | 3.38            | 103.2 |
| 351      | 12/26/2011 01:30:49 | 9.14   | 51.47           | 33.54        | 9.53            |    | 6.2               | 3.41            | 102.7 |
| 352      | 12/26/2011 01:45:49 | 9.03   | 51.26           | 33.38        | 9.57            |    | 5.6               | 3.41            | 102.8 |
| 353      | 12/26/2011 02:00:49 | 9.06   | 51.34           | 33.44        | 9.56            |    | 5.9               | 3.39            | 102.7 |
| 354      | 12/26/2011 02:15:49 | 9.05   | 51.42           | 33.50        | 9.59            |    | 5.9               | 3.36            | 103.0 |
| 355      | 12/26/2011 02:30:49 | 9.05   | 51.36           | 33.46        | 9.62            |    | 9.2               | 3.28            | 103.3 |
| 356      | 12/26/2011 02:45:49 | 8.97   | 51.27           | 33.38        | 9.66            |    | 7.4               | 3.20            | 103.6 |
| 357      | 12/26/2011 03:00:49 | 9.01   | 51.39           | 33.47        | 9.63            |    | 6.5               | 3.13            | 103.4 |
| 358      | 12/26/2011 03:15:49 | 8.92   | 51.20           | 33.33        | 9.67            |    | 7.5               | 3.04            | 103.5 |
| 359      | 12/26/2011 03:30:49 | 8.82   | 51.17           | 33.30        | 9.69            |    | 7.8               | 2.94            | 103.4 |
| 360      | 12/26/2011 03:45:49 | 8.79   | 51.10           | 33.24        | 9.71            |    | 8.3               | 2.86            | 103.6 |
| 361      | 12/26/2011 04:00:49 | 8.73   | 51.07           | 33.22        | 9.71            |    | 6.8               | 2.79            | 103.4 |
| 362      | 12/26/2011 04:15:49 | 8.70   | 50.93           | 33.11        | 9.73            |    | 6.5               | 2.68            | 103.5 |
| 363      | 12/26/2011 04:30:49 | 8.69   | 50.99           | 33.16        | 9.74            |    | 5.7               | 2.60            | 103.6 |
| 364      | 12/26/2011 04:45:49 | 8.75   | 51.11           | 33.25        | 9.70            |    | 5.2               | 2.52            | 103.4 |
| 365      | 12/26/2011 05:00:49 | 8.71   | 50.93           | 33.12        | 9.74            |    | 5.4               | 2.45            | 103.6 |
| 366      | 12/26/2011 05:15:49 | 8.67   | 50.91           | 33.10        | 9.72            |    | 5.4               | 2.38            | 103.3 |
| 367      | 12/26/2011 05:30:49 | 8.62   | 50.92           | 33.10        | 9.69            |    | 4.7               | 2.30            | 102.8 |
| 368      | 12/26/2011 05:45:49 | 8.55   | 50.89           | 33.07        | 9.71            |    | 4.9               | 2.29            | 102.9 |
| 369      | 12/26/2011 06:00:49 | 8.52   | 50.60           | 32.86        | 9.72            |    | 4.6               | 2.22            | 102.8 |
| 370      | 12/26/2011 06:15:49 | 8.42   | 50.67           | 32.91        | 9.74            |    | 4.4               | 2.22            | 102.8 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 371      | 12/26/2011 06:30:49 | 8.37   | 50.55           | 32.81        | 9.73            |    | 4.3               | 2.21            | 102.5 |
| 372      | 12/26/2011 06:45:49 | 8.30   | 50.50           | 32.77        | 9.71            |    | 4.0               | 2.22            | 102.1 |
| 373      | 12/26/2011 07:00:49 | 8.32   | 50.39           | 32.69        | 9.72            |    | 3.9               | 2.24            | 102.2 |
| 374      | 12/26/2011 07:15:49 | 8.38   | 50.50           | 32.78        | 9.76            |    | 4.6               | 2.30            | 102.8 |
| 375      | 12/26/2011 07:30:49 | 8.41   | 50.60           | 32.85        | 9.75            |    | 5.0               | 2.37            | 102.9 |
| 376      | 12/26/2011 07:45:49 | 8.36   | 50.56           | 32.82        | 9.72            |    | 7.8               | 2.44            | 102.4 |
| 377      | 12/26/2011 08:00:49 | 8.43   | 50.63           | 32.87        | 9.72            |    | 6.8               | 2.52            | 102.7 |
| 378      | 12/26/2011 08:15:49 | 8.56   | 50.77           | 32.99        | 9.71            |    | 6.1               | 2.59            | 102.9 |
| 379      | 12/26/2011 08:30:49 | 8.60   | 50.86           | 33.06        | 9.71            |    | 6.2               | 2.68            | 103.0 |
| 380      | 12/26/2011 08:45:49 | 8.73   | 51.02           | 33.18        | 9.67            |    | 6.1               | 2.76            | 103.0 |
| 381      | 12/26/2011 09:00:49 | 8.82   | 51.00           | 33.18        | 9.69            |    | 6.0               | 2.86            | 103.3 |
| 382      | 12/26/2011 09:15:49 | 8.85   | 51.19           | 33.32        | 9.69            |    | 6.0               | 2.94            | 103.5 |
| 383      | 12/26/2011 09:30:49 | 8.90   | 51.13           | 33.28        | 9.64            |    | 7.2               | 3.04            | 103.1 |
| 384      | 12/26/2011 09:45:49 | 8.99   | 51.24           | 33.36        | 9.52            |    | 8.1               | 3.14            | 102.1 |
| 385      | 12/26/2011 10:00:49 | 9.06   | 51.36           | 33.46        | 9.41            |    | 8.8               | 3.23            | 101.1 |
| 386      | 12/26/2011 10:15:49 | 9.10   | 51.41           | 33.49        | 9.35            |    | 8.9               | 3.33            | 100.6 |
| 387      | 12/26/2011 10:30:49 | 9.16   | 51.47           | 33.54        | 9.26            |    | 9.0               | 3.42            | 99.7  |
| 388      | 12/26/2011 10:45:49 | 9.24   | 51.40           | 33.50        | 9.12            |    | 9.2               | 3.52            | 98.4  |
| 389      | 12/26/2011 11:00:49 | 9.28   | 51.62           | 33.66        | 9.04            |    | 9.3               | 3.59            | 97.8  |
| 390      | 12/26/2011 11:15:49 | 9.33   | 51.48           | 33.56        | 8.99            |    | 9.1               | 3.70            | 97.2  |
| 391      | 12/26/2011 11:30:49 | 9.40   | 51.67           | 33.70        | 8.99            |    | 7.4               | 3.76            | 97.4  |
| 392      | 12/26/2011 11:45:49 | 9.41   | 51.50           | 33.58        | 8.98            |    | 5.9               | 3.81            | 97.3  |
| 393      | 12/26/2011 12:00:49 | 9.41   | 51.59           | 33.65        | 9.00            |    | 5.5               | 3.88            | 97.6  |
| 394      | 12/26/2011 12:15:49 | 9.44   | 51.74           | 33.76        | 8.97            |    | 4.6               | 3.90            | 97.5  |
| 395      | 12/26/2011 12:30:49 | 9.17   | 51.46           | 33.54        | 9.55            |    | 4.6               | 3.90            | 102.9 |
| 396      | 12/26/2011 12:45:49 | 9.35   | 51.42           | 33.52        | 9.05            |    | 5.2               | 3.92            | 98.0  |
| 397      | 12/26/2011 13:00:49 | 9.31   | 51.55           | 33.62        | 9.27            |    | 4.6               | 3.89            | 100.3 |
| 398      | 12/26/2011 13:15:49 | 9.38   | 51.57           | 33.64        | 9.12            |    | 5.1               | 3.82            | 98.9  |
| 399      | 12/26/2011 13:30:49 | 9.34   | 51.38           | 33.49        | 9.23            |    | 5.7               | 3.75            | 99.8  |
| 400      | 12/26/2011 13:45:49 | 9.43   | 51.48           | 33.57        | 9.35            |    | 5.6               | 3.65            | 101.4 |
| 401      | 12/26/2011 14:00:49 | 9.32   | 51.35           | 33.47        | 9.48            |    | 4.9               | 3.53            | 102.4 |
| 402      | 12/26/2011 14:15:49 | 9.26   | 51.21           | 33.36        | 9.71            |    | 5.8               | 3.42            | 104.7 |
| 403      | 12/26/2011 14:30:49 | 9.25   | 51.37           | 33.48        | 9.48            |    | 6.8               | 3.29            | 102.3 |
| 404      | 12/26/2011 14:45:49 | 9.20   | 51.19           | 33.35        | 9.54            |    | 5.9               | 3.16            | 102.8 |
| 405      | 12/26/2011 15:00:49 | 9.20   | 51.23           | 33.37        | 9.62            |    | 6.5               | 3.04            | 103.6 |
| 406      | 12/26/2011 15:15:49 | 9.16   | 51.20           | 33.34        | 9.77            |    | 5.7               | 2.90            | 105.1 |
| 407      | 12/26/2011 15:30:49 | 9.23   | 51.12           | 33.29        | 9.78            |    | 5.6               | 2.75            | 105.4 |
| 408      | 12/26/2011 15:45:49 | 9.29   | 51.39           | 33.50        | 9.65            |    | 5.2               | 2.62            | 104.3 |
| 409      | 12/26/2011 16:00:49 | 9.31   | 51.30           | 33.43        | 9.64            |    | 4.5               | 2.46            | 104.1 |
| 410      | 12/26/2011 16:15:49 | 9.17   | 51.22           | 33.36        | 9.88            |    | 5.2               | 2.30            | 106.4 |
| 411      | 12/26/2011 16:30:49 | 8.96   | 50.96           | 33.15        | 10.01           |    | 7.8               | 2.14            | 107.2 |
| 412      | 12/26/2011 16:45:49 | 8.96   | 51.02           | 33.20        | 10.05           |    | 7.8               | 1.97            | 107.6 |
| 413      | 12/26/2011 17:00:49 | 8.82   | 50.80           | 33.03        | 10.14           |    | 7.6               | 1.79            | 108.1 |
| 414      | 12/26/2011 17:15:49 | 8.78   | 50.71           | 32.96        | 10.16           |    | 8.2               | 1.63            | 108.1 |
| 415      | 12/26/2011 17:30:49 | 8.73   | 50.77           | 33.00        | 10.20           |    | 6.7               | 1.44            | 108.5 |
| 416      | 12/26/2011 17:45:49 | 8.69   | 50.69           | 32.94        | 10.25           |    | 6.9               | 1.29            | 108.9 |
| 417      | 12/26/2011 18:00:49 | 8.67   | 50.67           | 32.93        | 10.26           |    | 6.3               | 1.14            | 109.0 |
| 418      | 12/26/2011 18:15:49 | 8.64   | 50.68           | 32.93        | 10.25           |    | 6.9               | 1.03            | 108.7 |
| 419      | 12/26/2011 18:30:49 | 8.62   | 50.62           | 32.89        | 10.25           |    | 6.5               | 0.90            | 108.7 |
| 420      | 12/26/2011 18:45:49 | 8.65   | 50.65           | 32.91        | 10.15           |    | 8.0               | 0.84            | 107.7 |
| 421      | 12/26/2011 19:00:49 | 8.59   | 50.56           | 32.84        | 10.21           |    | 6.1               | 0.87            | 108.2 |
| 422      | 12/26/2011 19:15:49 | 8.45   | 50.45           | 32.75        | 10.15           |    | 5.1               | 0.89            | 107.1 |
| 423      | 12/26/2011 19:30:49 | 8.45   | 50.29           | 32.63        | 10.09           |    | 5.0               | 1.01            | 106.4 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 424      | 12/26/2011 19:45:49 | 8.42   | 50.22           | 32.58        | 10.04           |    | 6.3               | 1.09            | 105.8 |
| 425      | 12/26/2011 20:00:49 | 8.42   | 50.25           | 32.60        | 10.07           |    | 6.1               | 1.18            | 106.1 |
| 426      | 12/26/2011 20:15:49 | 8.42   | 50.24           | 32.60        | 10.11           |    | 6.3               | 1.24            | 106.6 |
| 427      | 12/26/2011 20:30:49 | 8.36   | 49.94           | 32.37        | 9.94            |    | 7.3               | 1.31            | 104.5 |
| 428      | 12/26/2011 20:45:49 | 8.39   | 49.91           | 32.36        | 9.96            |    | 6.4               | 1.41            | 104.7 |
| 429      | 12/26/2011 21:00:49 | 8.47   | 49.95           | 32.39        | 10.08           |    | 6.3               | 1.49            | 106.1 |
| 430      | 12/26/2011 21:15:49 | 8.46   | 50.10           | 32.49        | 9.97            |    | 6.7               | 1.57            | 105.1 |
| 431      | 12/26/2011 21:30:49 | 8.47   | 50.08           | 32.48        | 9.97            |    | 6.6               | 1.68            | 105.1 |
| 432      | 12/26/2011 21:45:49 | 8.55   | 50.38           | 32.70        | 10.04           |    | 6.1               | 1.79            | 106.2 |
| 433      | 12/26/2011 22:00:49 | 8.60   | 50.25           | 32.62        | 10.08           |    | 6.0               | 1.89            | 106.6 |
| 434      | 12/26/2011 22:15:49 | 8.69   | 50.44           | 32.76        | 10.00           |    | 6.7               | 2.02            | 106.1 |
| 435      | 12/26/2011 22:30:49 | 8.72   | 50.47           | 32.79        | 9.99            |    | 7.8               | 2.17            | 106.1 |
| 436      | 12/26/2011 22:45:49 | 8.76   | 50.54           | 32.84        | 9.98            |    | 7.4               | 2.27            | 106.1 |
| 437      | 12/26/2011 23:00:49 | 8.76   | 50.78           | 33.01        | 9.98            |    | 7.6               | 2.40            | 106.2 |
| 438      | 12/26/2011 23:15:49 | 8.80   | 50.69           | 32.95        | 9.96            |    | 7.9               | 2.52            | 106.1 |
| 439      | 12/26/2011 23:30:49 | 8.85   | 50.87           | 33.08        | 9.89            |    | 8.4               | 2.62            | 105.5 |
| 440      | 12/26/2011 23:45:49 | 8.88   | 50.76           | 33.00        | 9.85            |    | 9.6               | 2.73            | 105.1 |
| 441      | 12/27/2011 00:00:49 | 8.94   | 50.97           | 33.16        | 9.75            |    | 10.0              | 2.81            | 104.3 |
| 442      | 12/27/2011 00:15:49 | 9.06   | 51.10           | 33.27        | 9.71            |    | 11.2              | 2.92            | 104.2 |
| 443      | 12/27/2011 00:30:49 | 9.12   | 51.23           | 33.37        | 9.71            |    | 10.9              | 3.00            | 104.5 |
| 444      | 12/27/2011 00:45:49 | 9.20   | 51.34           | 33.45        | 9.70            |    | 11.1              | 3.08            | 104.6 |
| 445      | 12/27/2011 01:00:49 | 9.27   | 51.33           | 33.45        | 9.70            |    | 10.2              | 3.16            | 104.8 |
| 446      | 12/27/2011 01:15:49 | 9.30   | 51.48           | 33.56        | 9.67            |    | 8.4               | 3.24            | 104.6 |
| 447      | 12/27/2011 01:30:49 | 9.31   | 51.37           | 33.48        | 9.68            |    | 8.1               | 3.31            | 104.6 |
| 448      | 12/27/2011 01:45:49 | 9.31   | 51.50           | 33.58        | 9.67            |    | 6.7               | 3.36            | 104.6 |
| 449      | 12/27/2011 02:00:49 | 9.27   | 51.25           | 33.39        | 9.63            |    | 5.8               | 3.39            | 104.0 |
| 450      | 12/27/2011 02:15:49 | 8.11   | 50.84           | 33.00        | 9.64            |    | 5.8               | 3.42            | 101.1 |
| 451      | 12/27/2011 02:30:49 | 9.12   | 51.21           | 33.35        | 9.60            |    | 4.6               | 3.44            | 103.2 |
| 452      | 12/27/2011 02:45:49 | 8.97   | 51.21           | 33.34        | 9.60            |    | 5.4               | 3.39            | 102.9 |
| 453      | 12/27/2011 03:00:49 | 9.21   | 51.35           | 33.46        | 9.63            |    | 6.4               | 3.33            | 103.9 |
| 454      | 12/27/2011 03:15:49 | 8.87   | 51.22           | 33.34        | 9.59            |    | 6.4               | 3.28            | 102.6 |
| 455      | 12/27/2011 03:30:49 | 8.54   | 51.05           | 33.19        | 9.60            |    | 6.2               | 3.20            | 101.8 |
| 456      | 12/27/2011 03:45:49 | 8.95   | 51.32           | 33.41        | 9.64            |    | 6.3               | 3.09            | 103.3 |
| 457      | 12/27/2011 04:00:49 | 8.74   | 51.10           | 33.24        | 9.64            |    | 6.6               | 3.00            | 102.7 |
| 458      | 12/27/2011 04:15:49 | 8.69   | 51.01           | 33.17        | 9.63            |    | 7.4               | 2.91            | 102.4 |
| 459      | 12/27/2011 04:30:49 | 8.68   | 51.06           | 33.21        | 9.62            |    | 6.2               | 2.81            | 102.4 |
| 460      | 12/27/2011 04:45:49 | 8.59   | 51.03           | 33.18        | 9.62            |    | 6.0               | 2.73            | 102.2 |
| 461      | 12/27/2011 05:00:49 | 8.51   | 50.98           | 33.13        | 9.64            |    | 6.2               | 2.64            | 102.1 |
| 462      | 12/27/2011 05:15:49 | 8.60   | 51.05           | 33.19        | 9.63            |    | 6.5               | 2.56            | 102.3 |
| 463      | 12/27/2011 05:30:49 | 8.60   | 51.05           | 33.19        | 9.60            |    | 5.7               | 2.48            | 101.9 |
| 464      | 12/27/2011 05:45:49 | 8.63   | 51.10           | 33.23        | 9.64            |    | 5.6               | 2.41            | 102.5 |
| 465      | 12/27/2011 06:00:49 | 8.52   | 51.00           | 33.15        | 9.65            |    | 5.1               | 2.35            | 102.3 |
| 466      | 12/27/2011 06:15:49 | 8.39   | 50.93           | 33.09        | 9.63            |    | 5.1               | 2.27            | 101.8 |
| 467      | 12/27/2011 06:30:49 | 8.32   | 50.83           | 33.01        | 9.63            |    | 5.1               | 2.22            | 101.5 |
| 468      | 12/27/2011 06:45:49 | 8.32   | 50.72           | 32.93        | 9.67            |    | 4.8               | 2.19            | 101.9 |
| 469      | 12/27/2011 07:00:49 | 8.10   | 50.38           | 32.67        | 9.70            |    | 4.1               | 2.15            | 101.5 |
| 470      | 12/27/2011 07:15:49 | 7.98   | 50.57           | 32.79        | 9.68            |    | 3.9               | 2.14            | 101.2 |
| 471      | 12/27/2011 07:30:49 | 8.01   | 50.56           | 32.79        | 9.66            |    | 4.2               | 2.15            | 101.0 |
| 472      | 12/27/2011 07:45:49 | 8.03   | 50.52           | 32.76        | 9.69            |    | 4.3               | 2.18            | 101.3 |
| 473      | 12/27/2011 08:00:49 | 8.15   | 50.69           | 32.90        | 9.69            |    | 4.2               | 2.21            | 101.6 |
| 474      | 12/27/2011 08:15:49 | 8.22   | 50.77           | 32.96        | 9.70            |    | 4.6               | 2.29            | 102.0 |
| 475      | 12/27/2011 08:30:49 | 8.18   | 50.63           | 32.85        | 9.70            |    | 5.4               | 2.35            | 101.8 |
| 476      | 12/27/2011 08:45:49 | 8.06   | 50.57           | 32.80        | 9.67            |    | 6.3               | 2.43            | 101.2 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 477      | 12/27/2011 09:00:49 | 8.25   | 50.78           | 32.97        | 9.66            |    | 5.9               | 2.52            | 101.7 |
| 478      | 12/27/2011 09:15:49 | 8.39   | 50.75           | 32.96        | 9.64            |    | 5.6               | 2.61            | 101.8 |
| 479      | 12/27/2011 09:30:49 | 8.45   | 50.85           | 33.04        | 9.63            |    | 5.4               | 2.68            | 101.8 |
| 480      | 12/27/2011 09:45:49 | 8.66   | 51.08           | 33.22        | 9.63            |    | 5.4               | 2.76            | 102.4 |
| 481      | 12/27/2011 10:00:49 | 8.84   | 51.06           | 33.22        | 9.66            |    | 5.4               | 2.84            | 103.1 |
| 482      | 12/27/2011 10:15:49 | 8.88   | 51.16           | 33.30        | 9.67            |    | 5.6               | 2.92            | 103.4 |
| 483      | 12/27/2011 10:30:49 | 8.93   | 51.26           | 33.37        | 9.67            |    | 6.2               | 3.00            | 103.5 |
| 484      | 12/27/2011 10:45:49 | 9.00   | 51.31           | 33.41        | 9.66            |    | 6.9               | 3.07            | 103.6 |
| 485      | 12/27/2011 11:00:49 | 9.08   | 51.30           | 33.41        | 9.66            |    | 6.7               | 3.17            | 103.8 |
| 486      | 12/27/2011 11:15:49 | 9.14   | 51.32           | 33.43        | 9.66            |    | 7.4               | 3.25            | 103.9 |
| 487      | 12/27/2011 11:30:49 | 9.20   | 51.46           | 33.54        | 9.64            |    | 8.1               | 3.34            | 104.0 |
| 488      | 12/27/2011 11:45:49 | 9.27   | 51.50           | 33.57        | 9.63            |    | 7.7               | 3.41            | 104.1 |
| 489      | 12/27/2011 12:00:49 | 9.31   | 51.42           | 33.52        | 9.64            |    | 7.1               | 3.50            | 104.2 |
| 490      | 12/27/2011 12:15:49 | 9.37   | 51.57           | 33.63        | 9.62            |    | 7.6               | 3.56            | 104.2 |
| 491      | 12/27/2011 12:30:49 | 9.41   | 51.55           | 33.62        | 9.62            |    | 6.0               | 3.62            | 104.3 |
| 492      | 12/27/2011 12:45:49 | 9.42   | 51.59           | 33.65        | 9.60            |    | 5.1               | 3.69            | 104.1 |
| 493      | 12/27/2011 13:00:49 | 9.44   | 51.60           | 33.66        | 9.58            |    | 4.4               | 3.72            | 104.0 |
| 494      | 12/27/2011 13:15:49 | 9.46   | 51.61           | 33.67        | 9.58            |    | 3.8               | 3.73            | 104.0 |
| 495      | 12/27/2011 13:30:49 | 9.30   | 51.30           | 33.43        | 9.76            |    | 4.8               | 3.74            | 105.4 |
| 496      | 12/27/2011 13:45:49 | 9.36   | 51.46           | 33.55        | 9.74            |    | 5.1               | 3.71            | 105.4 |
| 497      | 12/27/2011 14:00:49 | 9.40   | 51.49           | 33.58        | 9.67            |    | 4.5               | 3.65            | 104.8 |
| 498      | 12/27/2011 14:15:49 | 9.37   | 51.54           | 33.61        | 9.61            |    | 6.1               | 3.60            | 104.1 |
| 499      | 12/27/2011 14:30:49 | 9.32   | 51.45           | 33.54        | 9.73            |    | 6.2               | 3.50            | 105.2 |
| 500      | 12/27/2011 14:45:49 | 9.28   | 51.34           | 33.46        | 9.90            |    | 5.1               | 3.39            | 106.9 |
| 501      | 12/27/2011 15:00:49 | 9.21   | 51.17           | 33.33        | 9.99            |    | 4.6               | 3.30            | 107.7 |
| 502      | 12/27/2011 15:15:49 | 9.10   | 51.16           | 33.31        | 10.08           |    | 4.8               | 3.17            | 108.3 |
| 503      | 12/27/2011 15:30:49 | 9.08   | 51.23           | 33.36        | 9.95            |    | 5.7               | 3.05            | 107.0 |
| 504      | 12/27/2011 15:45:49 | 9.05   | 51.21           | 33.35        | 9.97            |    | 5.1               | 2.92            | 107.0 |
| 505      | 12/27/2011 16:00:49 | 9.01   | 51.12           | 33.28        | 10.02           |    | 5.4               | 2.80            | 107.4 |
| 506      | 12/27/2011 16:15:49 | 9.09   | 51.18           | 33.33        | 9.86            |    | 4.4               | 2.68            | 105.9 |
| 507      | 12/27/2011 16:30:49 | 9.15   | 51.33           | 33.44        | 9.78            |    | 4.8               | 2.52            | 105.3 |
| 508      | 12/27/2011 16:45:49 | 9.11   | 51.17           | 33.32        | 9.79            |    | 5.1               | 2.39            | 105.2 |
| 509      | 12/27/2011 17:00:49 | 9.00   | 51.14           | 33.29        | 9.84            |    | 5.1               | 2.24            | 105.5 |
| 510      | 12/27/2011 17:15:49 | 8.84   | 50.95           | 33.14        | 9.91            |    | 6.2               | 2.09            | 105.8 |
| 511      | 12/27/2011 17:30:49 | 8.81   | 50.85           | 33.07        | 9.93            |    | 7.0               | 1.94            | 105.9 |
| 512      | 12/27/2011 17:45:49 | 8.71   | 50.74           | 32.98        | 9.98            |    | 7.3               | 1.78            | 106.1 |
| 513      | 12/27/2011 18:00:49 | 8.66   | 50.66           | 32.92        | 10.02           |    | 6.8               | 1.64            | 106.3 |
| 514      | 12/27/2011 18:15:49 | 8.64   | 50.72           | 32.96        | 10.02           |    | 6.6               | 1.47            | 106.3 |
| 515      | 12/27/2011 18:30:49 | 8.63   | 50.75           | 32.98        | 10.01           |    | 5.9               | 1.36            | 106.2 |
| 516      | 12/27/2011 18:45:49 | 8.62   | 50.79           | 33.01        | 9.98            |    | 5.4               | 1.25            | 105.9 |
| 517      | 12/27/2011 19:00:49 | 8.61   | 50.48           | 32.78        | 10.02           |    | 5.6               | 1.14            | 106.1 |
| 518      | 12/27/2011 19:15:49 | 8.58   | 50.73           | 32.96        | 10.01           |    | 6.1               | 1.07            | 106.1 |
| 519      | 12/27/2011 19:30:49 | 8.67   | 50.80           | 33.02        | 9.84            |    | 6.3               | 1.05            | 104.5 |
| 520      | 12/27/2011 19:45:49 | 8.51   | 50.47           | 32.77        | 10.11           |    | 5.0               | 1.03            | 106.8 |
| 521      | 12/27/2011 20:00:49 | 8.39   | 50.55           | 32.82        | 10.21           |    | 4.4               | 1.07            | 107.6 |
| 522      | 12/27/2011 20:15:49 | 8.32   | 50.33           | 32.65        | 10.29           |    | 4.2               | 1.17            | 108.2 |
| 523      | 12/27/2011 20:30:49 | 8.24   | 50.33           | 32.64        | 10.25           |    | 4.6               | 1.25            | 107.6 |
| 524      | 12/27/2011 20:45:49 | 8.23   | 50.15           | 32.51        | 10.26           |    | 4.2               | 1.31            | 107.6 |
| 525      | 12/27/2011 21:00:49 | 8.23   | 50.30           | 32.62        | 10.21           |    | 4.4               | 1.40            | 107.1 |
| 526      | 12/27/2011 21:15:49 | 8.13   | 50.14           | 32.50        | 10.07           |    | 5.4               | 1.47            | 105.4 |
| 527      | 12/27/2011 21:30:49 | 8.18   | 50.31           | 32.62        | 10.10           |    | 5.3               | 1.54            | 105.9 |
| 528      | 12/27/2011 21:45:49 | 8.22   | 50.20           | 32.54        | 10.02           |    | 5.8               | 1.65            | 105.1 |
| 529      | 12/27/2011 22:00:49 | 8.25   | 50.32           | 32.64        | 10.01           |    | 6.1               | 1.73            | 105.1 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 530      | 12/27/2011 22:15:49 | 8.34   | 50.39           | 32.70        | 10.03           |    | 5.5               | 1.83            | 105.6 |
| 531      | 12/27/2011 22:30:49 | 8.39   | 50.51           | 32.79        | 10.05           |    | 5.1               | 1.94            | 106.0 |
| 532      | 12/27/2011 22:45:49 | 8.56   | 50.64           | 32.90        | 9.97            |    | 6.0               | 2.05            | 105.6 |
| 533      | 12/27/2011 23:00:49 | 8.65   | 50.77           | 33.00        | 9.93            |    | 5.8               | 2.17            | 105.4 |
| 534      | 12/27/2011 23:15:49 | 8.69   | 50.83           | 33.04        | 9.93            |    | 5.9               | 2.29            | 105.5 |
| 535      | 12/27/2011 23:30:49 | 8.75   | 50.82           | 33.04        | 9.92            |    | 6.7               | 2.39            | 105.6 |
| 536      | 12/27/2011 23:45:49 | 8.79   | 50.83           | 33.05        | 9.91            |    | 6.8               | 2.51            | 105.6 |
| 537      | 12/28/2011 00:00:49 | 8.87   | 50.91           | 33.11        | 9.87            |    | 7.3               | 2.63            | 105.3 |
| 538      | 12/28/2011 00:15:49 | 8.91   | 50.93           | 33.13        | 9.85            |    | 8.1               | 2.72            | 105.2 |
| 539      | 12/28/2011 00:30:49 | 8.98   | 50.98           | 33.17        | 9.81            |    | 9.6               | 2.82            | 105.0 |
| 540      | 12/28/2011 00:45:49 | 9.07   | 51.16           | 33.31        | 9.77            |    | 9.9               | 2.91            | 104.9 |
| 541      | 12/28/2011 01:00:49 | 9.17   | 51.17           | 33.32        | 9.79            |    | 9.9               | 3.00            | 105.4 |
| 542      | 12/28/2011 01:15:49 | 9.28   | 51.13           | 33.31        | 9.79            |    | 9.3               | 3.09            | 105.7 |
| 543      | 12/28/2011 01:30:49 | 9.32   | 51.34           | 33.46        | 9.77            |    | 9.5               | 3.16            | 105.6 |
| 544      | 12/28/2011 01:45:49 | 9.36   | 51.22           | 33.38        | 9.77            |    | 8.5               | 3.25            | 105.6 |
| 545      | 12/28/2011 02:00:49 | 9.36   | 51.39           | 33.50        | 9.75            |    | 7.4               | 3.32            | 105.5 |
| 546      | 12/28/2011 02:15:49 | 9.36   | 51.27           | 33.41        | 9.74            |    | 6.3               | 3.37            | 105.4 |
| 547      | 12/28/2011 02:30:49 | 9.37   | 51.29           | 33.43        | 9.73            |    | 5.0               | 3.43            | 105.3 |
| 548      | 12/28/2011 02:45:49 | 9.33   | 51.27           | 33.41        | 9.71            |    | 4.4               | 3.48            | 105.0 |
| 549      | 12/28/2011 03:00:49 | 9.33   | 51.27           | 33.41        | 9.66            |    | 4.9               | 3.47            | 104.4 |
| 550      | 12/28/2011 03:15:49 | 9.35   | 51.35           | 33.47        | 9.66            |    | 5.1               | 3.47            | 104.5 |
| 551      | 12/28/2011 03:30:49 | 9.31   | 51.29           | 33.43        | 9.65            |    | 5.8               | 3.44            | 104.3 |
| 552      | 12/28/2011 03:45:49 | 9.31   | 51.22           | 33.37        | 9.68            |    | 6.2               | 3.37            | 104.6 |
| 553      | 12/28/2011 04:00:49 | 9.24   | 51.13           | 33.30        | 9.66            |    | 5.6               | 3.29            | 104.2 |
| 554      | 12/28/2011 04:15:49 | 9.20   | 51.19           | 33.35        | 9.63            |    | 5.9               | 3.22            | 103.8 |
| 555      | 12/28/2011 04:30:49 | 9.22   | 51.06           | 33.25        | 9.62            |    | 5.7               | 3.13            | 103.6 |
| 556      | 12/28/2011 04:45:49 | 9.16   | 51.10           | 33.28        | 9.61            |    | 6.3               | 3.03            | 103.4 |
| 557      | 12/28/2011 05:00:49 | 9.11   | 51.05           | 33.23        | 9.62            |    | 6.2               | 2.95            | 103.3 |
| 558      | 12/28/2011 05:15:49 | 9.06   | 51.03           | 33.22        | 9.60            |    | 5.7               | 2.85            | 103.1 |
| 559      | 12/28/2011 05:30:49 | 9.04   | 50.96           | 33.17        | 9.62            |    | 5.6               | 2.77            | 103.1 |
| 560      | 12/28/2011 05:45:49 | 9.05   | 51.07           | 33.25        | 9.60            |    | 5.2               | 2.68            | 103.0 |
| 561      | 12/28/2011 06:00:49 | 8.99   | 50.92           | 33.13        | 9.59            |    | 5.1               | 2.62            | 102.7 |
| 562      | 12/28/2011 06:15:49 | 9.06   | 51.09           | 33.26        | 9.59            |    | 4.4               | 2.54            | 102.9 |
| 563      | 12/28/2011 06:30:49 | 9.06   | 51.04           | 33.22        | 9.60            |    | 4.5               | 2.45            | 103.0 |
| 564      | 12/28/2011 06:45:49 | 9.09   | 50.97           | 33.17        | 9.52            |    | 4.9               | 2.38            | 102.2 |
| 565      | 12/28/2011 07:00:49 | 9.04   | 50.99           | 33.18        | 9.54            |    | 4.3               | 2.32            | 102.3 |
| 566      | 12/28/2011 07:15:49 | 8.92   | 50.86           | 33.08        | 9.59            |    | 4.1               | 2.27            | 102.5 |
| 567      | 12/28/2011 07:30:49 | 8.89   | 50.81           | 33.04        | 9.54            |    | 4.3               | 2.20            | 101.9 |
| 568      | 12/28/2011 07:45:49 | 8.79   | 50.67           | 32.93        | 9.59            |    | 4.0               | 2.18            | 102.1 |
| 569      | 12/28/2011 08:00:49 | 8.67   | 50.56           | 32.85        | 9.55            |    | 3.7               | 2.18            | 101.3 |
| 570      | 12/28/2011 08:15:49 | 8.63   | 50.46           | 32.77        | 9.52            |    | 3.8               | 2.14            | 100.8 |
| 571      | 12/28/2011 08:30:49 | 8.66   | 50.43           | 32.75        | 9.55            |    | 3.9               | 2.19            | 101.3 |
| 572      | 12/28/2011 08:45:49 | 8.76   | 50.61           | 32.89        | 9.56            |    | 4.0               | 2.21            | 101.6 |
| 573      | 12/28/2011 09:00:49 | 8.73   | 50.63           | 32.90        | 9.61            |    | 4.0               | 2.27            | 102.2 |
| 574      | 12/28/2011 09:15:49 | 8.77   | 50.65           | 32.92        | 9.59            |    | 4.5               | 2.33            | 102.0 |
| 575      | 12/28/2011 09:30:49 | 8.74   | 50.44           | 32.76        | 9.57            |    | 5.7               | 2.39            | 101.7 |
| 576      | 12/28/2011 09:45:49 | 8.82   | 50.59           | 32.88        | 9.59            |    | 5.2               | 2.47            | 102.1 |
| 577      | 12/28/2011 10:00:49 | 8.92   | 50.82           | 33.05        | 9.56            |    | 5.1               | 2.55            | 102.2 |
| 578      | 12/28/2011 10:15:49 | 8.97   | 50.82           | 33.06        | 9.56            |    | 4.8               | 2.62            | 102.3 |
| 579      | 12/28/2011 10:30:49 | 9.01   | 50.89           | 33.11        | 9.57            |    | 4.6               | 2.69            | 102.5 |
| 580      | 12/28/2011 10:45:49 | 9.13   | 50.94           | 33.15        | 9.60            |    | 4.5               | 2.76            | 103.1 |
| 581      | 12/28/2011 11:00:49 | 9.18   | 51.09           | 33.27        | 9.63            |    | 4.4               | 2.83            | 103.7 |
| 582      | 12/28/2011 11:15:49 | 9.21   | 51.03           | 33.23        | 9.66            |    | 4.5               | 2.91            | 104.0 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 583      | 12/28/2011 11:30:49 | 9.24   | 50.90           | 33.14        | 9.67            |    | 4.4               | 2.97            | 104.1 |
| 584      | 12/28/2011 11:45:49 | 9.27   | 51.02           | 33.23        | 9.65            |    | 4.5               | 3.04            | 104.0 |
| 585      | 12/28/2011 12:00:49 | 9.34   | 51.22           | 33.38        | 9.62            |    | 4.6               | 3.10            | 104.0 |
| 586      | 12/28/2011 12:15:49 | 9.39   | 51.08           | 33.28        | 9.61            |    | 4.9               | 3.17            | 103.9 |
| 587      | 12/28/2011 12:30:49 | 9.42   | 51.27           | 33.42        | 9.58            |    | 5.0               | 3.24            | 103.8 |
| 588      | 12/28/2011 12:45:49 | 9.47   | 51.14           | 33.33        | 9.58            |    | 4.9               | 3.32            | 103.8 |
| 589      | 12/28/2011 13:00:49 | 9.53   | 51.34           | 33.47        | 9.54            |    | 5.2               | 3.37            | 103.6 |
| 590      | 12/28/2011 13:15:49 | 9.57   | 51.32           | 33.47        | 9.53            |    | 4.5               | 3.43            | 103.5 |
| 591      | 12/28/2011 13:30:49 | 9.60   | 51.38           | 33.51        | 9.50            |    | 4.6               | 3.48            | 103.4 |
| 592      | 12/28/2011 13:45:49 | 9.63   | 51.34           | 33.48        | 9.49            |    | 4.2               | 3.50            | 103.3 |
| 593      | 12/28/2011 14:00:49 | 9.53   | 51.30           | 33.45        | 9.58            |    | 4.0               | 3.52            | 104.0 |
| 594      | 12/28/2011 14:15:49 | 9.58   | 51.30           | 33.45        | 9.50            |    | 3.4               | 3.53            | 103.2 |
| 595      | 12/28/2011 14:30:49 | 9.58   | 51.34           | 33.48        | 9.47            |    | 3.8               | 3.50            | 103.0 |
| 596      | 12/28/2011 14:45:49 | 9.64   | 51.42           | 33.54        | 9.46            |    | 4.4               | 3.47            | 103.1 |
| 597      | 12/28/2011 15:00:49 | 9.57   | 51.15           | 33.34        | 9.60            |    | 4.4               | 3.41            | 104.3 |
| 598      | 12/28/2011 15:15:49 | 9.57   | 51.30           | 33.45        | 9.61            |    | 4.9               | 3.33            | 104.4 |
| 599      | 12/28/2011 15:30:49 | 9.54   | 51.25           | 33.42        | 9.70            |    | 4.4               | 3.25            | 105.3 |
| 600      | 12/28/2011 15:45:49 | 9.51   | 51.11           | 33.31        | 9.74            |    | 4.9               | 3.14            | 105.7 |
| 601      | 12/28/2011 16:00:49 | 9.47   | 51.06           | 33.27        | 9.85            |    | 4.5               | 3.05            | 106.7 |
| 602      | 12/28/2011 16:15:49 | 9.44   | 51.06           | 33.27        | 9.84            |    | 4.9               | 2.95            | 106.5 |
| 603      | 12/28/2011 16:30:49 | 9.41   | 50.92           | 33.16        | 9.86            |    | 4.2               | 2.83            | 106.6 |
| 604      | 12/28/2011 16:45:49 | 9.38   | 50.98           | 33.21        | 9.87            |    | 4.6               | 2.71            | 106.7 |
| 605      | 12/28/2011 17:00:49 | 9.33   | 50.96           | 33.19        | 9.80            |    | 4.3               | 2.61            | 105.8 |
| 606      | 12/28/2011 17:15:49 | 9.34   | 50.92           | 33.16        | 9.66            |    | 4.6               | 2.47            | 104.3 |
| 607      | 12/28/2011 17:30:49 | 9.37   | 51.09           | 33.29        | 9.58            |    | 4.5               | 2.35            | 103.6 |
| 608      | 12/28/2011 17:45:49 | 9.32   | 50.87           | 33.12        | 9.62            |    | 5.4               | 2.23            | 103.7 |
| 609      | 12/28/2011 18:00:49 | 9.24   | 50.77           | 33.04        | 9.67            |    | 6.8               | 2.09            | 104.1 |
| 610      | 12/28/2011 18:15:49 | 9.19   | 50.85           | 33.09        | 9.69            |    | 6.2               | 1.97            | 104.2 |
| 611      | 12/28/2011 18:30:49 | 9.14   | 50.70           | 32.98        | 9.70            |    | 5.6               | 1.83            | 104.1 |
| 612      | 12/28/2011 18:45:49 | 9.12   | 50.69           | 32.98        | 9.75            |    | 6.9               | 1.68            | 104.6 |
| 613      | 12/28/2011 19:00:49 | 9.11   | 50.67           | 32.96        | 9.73            |    | 6.0               | 1.58            | 104.3 |
| 614      | 12/28/2011 19:15:49 | 9.07   | 50.55           | 32.87        | 9.82            |    | 5.1               | 1.46            | 105.1 |
| 615      | 12/28/2011 19:30:49 | 9.08   | 50.60           | 32.91        | 9.78            |    | 4.6               | 1.37            | 104.7 |
| 616      | 12/28/2011 19:45:49 | 9.09   | 50.52           | 32.85        | 9.75            |    | 6.7               | 1.31            | 104.5 |
| 617      | 12/28/2011 20:00:49 | 9.07   | 50.47           | 32.81        | 9.77            |    | 4.5               | 1.25            | 104.6 |
| 618      | 12/28/2011 20:15:49 | 9.09   | 50.36           | 32.73        | 9.75            |    | 4.6               | 1.25            | 104.4 |
| 619      | 12/28/2011 20:30:49 | 9.10   | 50.45           | 32.80        | 9.75            |    | 4.7               | 1.25            | 104.4 |
| 620      | 12/28/2011 20:45:49 | 9.10   | 50.32           | 32.70        | 9.79            |    | 5.0               | 1.28            | 104.8 |
| 621      | 12/28/2011 21:00:49 | 9.09   | 50.37           | 32.74        | 9.82            |    | 7.9               | 1.34            | 105.2 |
| 622      | 12/28/2011 21:15:49 | 9.07   | 50.34           | 32.72        | 9.88            |    | 7.1               | 1.44            | 105.7 |
| 623      | 12/28/2011 21:30:49 | 9.08   | 50.34           | 32.72        | 9.87            |    | 7.9               | 1.49            | 105.6 |
| 624      | 12/28/2011 21:45:49 | 9.15   | 49.84           | 32.37        | 9.69            |    | 10.1              | 1.58            | 103.6 |
| 625      | 12/28/2011 22:00:49 | 9.15   | 49.85           | 32.37        | 9.69            |    | 7.3               | 1.66            | 103.6 |
| 626      | 12/28/2011 22:15:49 | 9.14   | 49.96           | 32.45        | 9.72            |    | 6.2               | 1.74            | 104.0 |
| 627      | 12/28/2011 22:30:49 | 9.12   | 50.14           | 32.58        | 9.76            |    | 5.5               | 1.84            | 104.4 |
| 628      | 12/28/2011 22:45:49 | 9.12   | 50.32           | 32.71        | 9.76            |    | 5.2               | 1.92            | 104.5 |
| 629      | 12/28/2011 23:00:49 | 9.12   | 50.36           | 32.74        | 9.76            |    | 4.8               | 2.00            | 104.6 |
| 630      | 12/28/2011 23:15:49 | 9.14   | 50.47           | 32.81        | 9.76            |    | 4.6               | 2.11            | 104.7 |
| 631      | 12/28/2011 23:30:49 | 9.19   | 50.63           | 32.93        | 9.72            |    | 5.3               | 2.22            | 104.4 |
| 632      | 12/28/2011 23:45:49 | 9.21   | 50.71           | 33.00        | 9.71            |    | 5.2               | 2.31            | 104.3 |
| 633      | 12/29/2011 00:00:49 | 9.23   | 50.76           | 33.03        | 9.71            |    | 5.6               | 2.42            | 104.5 |
| 634      | 12/29/2011 00:15:49 | 9.27   | 50.81           | 33.08        | 9.69            |    | 5.9               | 2.52            | 104.3 |
| 635      | 12/29/2011 00:30:49 | 9.31   | 50.77           | 33.05        | 9.67            |    | 6.5               | 2.62            | 104.2 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 636      | 12/29/2011 00:45:49 | 9.31   | 50.65           | 32.96        | 9.67            |    | 6.3               | 2.71            | 104.2 |
| 637      | 12/29/2011 01:00:49 | 9.36   | 50.85           | 33.11        | 9.65            |    | 7.0               | 2.80            | 104.2 |
| 638      | 12/29/2011 01:15:49 | 9.44   | 50.76           | 33.05        | 9.61            |    | 6.9               | 2.89            | 103.9 |
| 639      | 12/29/2011 01:30:49 | 9.48   | 50.97           | 33.21        | 9.60            |    | 7.0               | 2.98            | 103.9 |
| 640      | 12/29/2011 01:45:49 | 9.54   | 50.94           | 33.19        | 9.61            |    | 7.5               | 3.06            | 104.2 |
| 641      | 12/29/2011 02:00:49 | 9.69   | 51.11           | 33.32        | 9.60            |    | 8.0               | 3.15            | 104.5 |
| 642      | 12/29/2011 02:15:49 | 9.76   | 51.19           | 33.39        | 9.59            |    | 7.9               | 3.22            | 104.7 |
| 643      | 12/29/2011 02:30:49 | 9.80   | 51.07           | 33.30        | 9.57            |    | 6.8               | 3.30            | 104.5 |
| 644      | 12/29/2011 02:45:49 | 9.84   | 51.26           | 33.45        | 9.56            |    | 6.3               | 3.37            | 104.5 |
| 645      | 12/29/2011 03:00:49 | 9.87   | 51.10           | 33.33        | 9.57            |    | 6.0               | 3.43            | 104.6 |
| 646      | 12/29/2011 03:15:49 | 9.86   | 51.24           | 33.43        | 9.55            |    | 5.2               | 3.45            | 104.4 |
| 647      | 12/29/2011 03:30:49 | 9.86   | 51.27           | 33.45        | 9.50            |    | 4.1               | 3.48            | 103.9 |
| 648      | 12/29/2011 03:45:49 | 9.75   | 51.08           | 33.30        | 9.47            |    | 4.2               | 3.49            | 103.2 |
| 649      | 12/29/2011 04:00:49 | 9.81   | 51.23           | 33.42        | 9.47            |    | 4.6               | 3.45            | 103.5 |
| 650      | 12/29/2011 04:15:49 | 9.77   | 51.13           | 33.35        | 9.48            |    | 5.2               | 3.42            | 103.5 |
| 651      | 12/29/2011 04:30:49 | 9.77   | 51.22           | 33.41        | 9.50            |    | 4.6               | 3.38            | 103.7 |
| 652      | 12/29/2011 04:45:49 | 9.68   | 51.11           | 33.32        | 9.43            |    | 4.9               | 3.29            | 102.6 |
| 653      | 12/29/2011 05:00:49 | 9.70   | 50.91           | 33.18        | 9.46            |    | 4.9               | 3.21            | 103.0 |
| 654      | 12/29/2011 05:15:49 | 9.68   | 51.04           | 33.27        | 9.46            |    | 4.5               | 3.15            | 102.9 |
| 655      | 12/29/2011 05:30:49 | 9.58   | 50.97           | 33.22        | 9.44            |    | 5.1               | 3.03            | 102.4 |
| 656      | 12/29/2011 05:45:49 | 9.55   | 50.96           | 33.21        | 9.42            |    | 5.1               | 2.96            | 102.1 |
| 657      | 12/29/2011 06:00:49 | 9.54   | 50.81           | 33.10        | 9.41            |    | 5.1               | 2.89            | 102.0 |
| 658      | 12/29/2011 06:15:49 | 9.50   | 50.88           | 33.14        | 9.41            |    | 5.0               | 2.79            | 101.9 |
| 659      | 12/29/2011 06:30:49 | 9.46   | 50.70           | 33.01        | 9.39            |    | 4.9               | 2.72            | 101.5 |
| 660      | 12/29/2011 06:45:49 | 9.43   | 50.82           | 33.10        | 9.39            |    | 4.6               | 2.63            | 101.5 |
| 661      | 12/29/2011 07:00:49 | 9.47   | 50.79           | 33.08        | 9.39            |    | 4.2               | 2.54            | 101.6 |
| 662      | 12/29/2011 07:15:49 | 9.54   | 50.96           | 33.21        | 9.39            |    | 6.1               | 2.48            | 101.8 |
| 663      | 12/29/2011 07:30:49 | 9.48   | 50.82           | 33.09        | 9.38            |    | 8.5               | 2.42            | 101.5 |
| 664      | 12/29/2011 07:45:49 | 9.44   | 50.67           | 32.99        | 9.39            |    | 5.4               | 2.35            | 101.5 |
| 665      | 12/29/2011 08:00:49 | 9.46   | 50.81           | 33.09        | 9.36            |    | 4.0               | 2.29            | 101.3 |
| 666      | 12/29/2011 08:15:49 | 9.38   | 50.61           | 32.93        | 9.35            |    | 3.7               | 2.23            | 100.8 |
| 667      | 12/29/2011 08:30:49 | 9.32   | 50.41           | 32.79        | 9.31            |    | 3.9               | 2.22            | 100.2 |
| 668      | 12/29/2011 08:45:49 | 9.28   | 50.28           | 32.69        | 9.35            |    | 3.4               | 2.18            | 100.5 |
| 669      | 12/29/2011 09:00:49 | 9.29   | 50.14           | 32.59        | 9.32            |    | 3.5               | 2.15            | 100.2 |
| 670      | 12/29/2011 09:15:49 | 9.32   | 50.37           | 32.76        | 9.29            |    | 4.0               | 2.18            | 99.9  |
| 671      | 12/29/2011 09:30:49 | 9.32   | 50.30           | 32.71        | 9.33            |    | 3.5               | 2.21            | 100.4 |
| 672      | 12/29/2011 09:45:49 | 9.33   | 50.39           | 32.78        | 9.33            |    | 3.9               | 2.22            | 100.4 |
| 673      | 12/29/2011 10:00:49 | 9.33   | 50.25           | 32.67        | 9.37            |    | 3.8               | 2.30            | 100.8 |
| 674      | 12/29/2011 10:15:49 | 9.41   | 50.20           | 32.64        | 9.30            |    | 4.9               | 2.36            | 100.2 |
| 675      | 12/29/2011 10:30:49 | 9.46   | 50.05           | 32.54        | 9.28            |    | 5.1               | 2.42            | 100.1 |
| 676      | 12/29/2011 10:45:49 | 9.42   | 50.47           | 32.84        | 9.33            |    | 4.8               | 2.48            | 100.7 |
| 677      | 12/29/2011 11:00:49 | 9.45   | 50.60           | 32.93        | 9.33            |    | 4.5               | 2.57            | 100.8 |
| 678      | 12/29/2011 11:15:49 | 9.47   | 50.51           | 32.87        | 9.34            |    | 4.3               | 2.61            | 100.9 |
| 679      | 12/29/2011 11:30:49 | 9.51   | 50.71           | 33.02        | 9.34            |    | 4.8               | 2.68            | 101.1 |
| 680      | 12/29/2011 11:45:49 | 9.60   | 50.82           | 33.11        | 9.40            |    | 4.5               | 2.75            | 102.0 |
| 681      | 12/29/2011 12:00:49 | 9.61   | 50.76           | 33.07        | 9.42            |    | 4.2               | 2.79            | 102.2 |
| 682      | 12/29/2011 12:15:49 | 9.63   | 50.92           | 33.18        | 9.44            |    | 4.0               | 2.86            | 102.5 |
| 683      | 12/29/2011 12:30:49 | 9.63   | 50.67           | 33.00        | 9.47            |    | 3.8               | 2.91            | 102.7 |
| 684      | 12/29/2011 12:45:49 | 9.65   | 50.89           | 33.16        | 9.46            |    | 4.1               | 2.98            | 102.8 |
| 685      | 12/29/2011 13:00:49 | 9.70   | 50.95           | 33.21        | 9.47            |    | 4.2               | 3.03            | 103.0 |
| 686      | 12/29/2011 13:15:49 | 9.75   | 51.02           | 33.26        | 9.47            |    | 4.1               | 3.08            | 103.2 |
| 687      | 12/29/2011 13:30:49 | 9.79   | 50.83           | 33.13        | 9.48            |    | 3.9               | 3.14            | 103.3 |
| 688      | 12/29/2011 13:45:49 | 9.81   | 51.02           | 33.27        | 9.47            |    | 3.7               | 3.20            | 103.4 |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 689      | 12/29/2011 14:00:49 | 9.81   | 51.01           | 33.26        | 9.46            |    | 3.7               | 3.24            | 103.3 |
| 690      | 12/29/2011 14:15:49 | 9.86   | 51.00           | 33.26        | 9.46            |    | 3.7               | 3.27            | 103.3 |
| 691      | 12/29/2011 14:30:49 | 9.88   | 51.01           | 33.26        | 9.42            |    | 3.5               | 3.30            | 102.9 |
| 692      | 12/29/2011 14:45:49 | 9.91   | 50.95           | 33.23        | 9.42            |    | 3.3               | 3.31            | 103.0 |
| 693      | 12/29/2011 15:00:49 | 9.81   | 50.95           | 33.22        | 9.45            |    | 3.6               | 3.34            | 103.1 |
| 694      | 12/29/2011 15:15:49 | 9.84   | 51.04           | 33.29        | 9.37            |    | 3.5               | 3.31            | 102.3 |
| 695      | 12/29/2011 15:30:49 | 9.86   | 50.86           | 33.16        | 9.42            |    | 3.7               | 3.28            | 102.8 |
| 696      | 12/29/2011 15:45:49 | 9.84   | 50.87           | 33.16        | 9.46            |    | 3.6               | 3.25            | 103.2 |
| 697      | 12/29/2011 16:00:49 | 9.84   | 50.67           | 33.01        | 9.52            |    | 3.7               | 3.18            | 103.8 |
| 698      | 12/29/2011 16:15:49 | 9.80   | 50.56           | 32.93        | 9.54            |    | 3.8               | 3.09            | 103.9 |
| 699      | 12/29/2011 16:30:49 | 9.78   | 50.66           | 33.00        | 9.49            |    | 3.6               | 3.02            | 103.3 |
| 700      | 12/29/2011 16:45:49 | 9.75   | 50.74           | 33.06        | 9.43            |    | 4.1               | 2.93            | 102.7 |
| 701      | 12/29/2011 17:00:49 | 9.74   | 50.70           | 33.03        | 9.44            |    | 4.5               | 2.85            | 102.7 |
| 702      | 12/29/2011 17:15:49 | 9.72   | 50.64           | 32.98        | 9.45            |    | 4.1               | 2.75            | 102.7 |
| 703      | 12/29/2011 17:30:49 | 9.71   | 50.63           | 32.98        | 9.44            |    | 4.2               | 2.65            | 102.6 |
| 704      | 12/29/2011 17:45:49 | 9.69   | 50.47           | 32.86        | 9.45            |    | 4.3               | 2.56            | 102.5 |
| 705      | 12/29/2011 18:00:49 | 9.68   | 50.51           | 32.89        | 9.36            |    | 4.6               | 2.46            | 101.7 |
| 706      | 12/29/2011 18:15:49 | 9.70   | 50.53           | 32.90        | 9.31            |    | 4.8               | 2.36            | 101.1 |
| 707      | 12/29/2011 18:30:49 | 9.70   | 50.50           | 32.88        | 9.29            |    | 5.1               | 2.24            | 100.9 |
| 708      | 12/29/2011 18:45:49 | 9.69   | 50.47           | 32.86        | 9.27            |    | 5.5               | 2.12            | 100.7 |
| 709      | 12/29/2011 19:00:49 | 9.67   | 50.47           | 32.86        | 9.29            |    | 5.0               | 2.04            | 100.8 |
| 710      | 12/29/2011 19:15:49 | 9.65   | 50.31           | 32.74        | 9.28            |    | 4.8               | 1.92            | 100.6 |
| 711      | 12/29/2011 19:30:49 | 9.69   | 50.04           | 32.55        | 9.23            |    | 5.1               | 1.82            | 99.9  |
| 712      | 12/29/2011 19:45:49 | 9.66   | 50.14           | 32.62        | 9.23            |    | 4.6               | 1.73            | 99.9  |
| 713      | 12/29/2011 20:00:49 | 9.68   | 49.99           | 32.51        | 9.21            |    | 4.9               | 1.65            | 99.7  |
| 714      | 12/29/2011 20:15:49 | 9.67   | 49.93           | 32.47        | 9.22            |    | 4.5               | 1.57            | 99.8  |
| 715      | 12/29/2011 20:30:49 | 9.68   | 49.85           | 32.41        | 9.19            |    | 4.2               | 1.54            | 99.5  |
| 716      | 12/29/2011 20:45:49 | 9.73   | 49.86           | 32.42        | 9.15            |    | 4.6               | 1.52            | 99.2  |
| 717      | 12/29/2011 21:00:49 | 9.77   | 49.76           | 32.35        | 9.06            |    | 4.5               | 1.48            | 98.2  |
| 718      | 12/29/2011 21:15:49 | 9.72   | 49.99           | 32.51        | 9.15            |    | 4.5               | 1.50            | 99.2  |
| 719      | 12/29/2011 21:30:49 | 9.70   | 50.04           | 32.55        | 9.17            |    | 4.5               | 1.55            | 99.4  |
| 720      | 12/29/2011 21:45:49 | 9.68   | 50.00           | 32.52        | 9.22            |    | 3.8               | 1.59            | 99.8  |
| 721      | 12/29/2011 22:00:49 | 9.68   | 50.01           | 32.52        | 9.23            |    | 4.2               | 1.65            | 100.0 |
| 722      | 12/29/2011 22:15:49 | 9.77   | 49.61           | 32.24        | 9.17            |    | 5.1               | 1.72            | 99.4  |
| 723      | 12/29/2011 22:30:49 | 9.73   | 49.62           | 32.25        | 9.20            |    | 4.3               | 1.80            | 99.6  |
| 724      | 12/29/2011 22:45:49 | 9.75   | 49.62           | 32.25        | 9.18            |    | 4.5               | 1.89            | 99.4  |
| 725      | 12/29/2011 23:00:49 | 9.80   | 49.52           | 32.18        | 9.16            |    | 4.7               | 1.96            | 99.2  |
| 726      | 12/29/2011 23:15:49 | 9.74   | 49.67           | 32.28        | 9.20            |    | 4.2               | 2.05            | 99.6  |
| 727      | 12/29/2011 23:30:49 | 9.70   | 49.90           | 32.45        | 9.23            |    | 4.3               | 2.13            | 99.9  |
| 728      | 12/29/2011 23:45:49 | 9.69   | 50.15           | 32.63        | 9.25            |    | 4.3               | 2.20            | 100.3 |
| 729      | 12/30/2011 00:00:49 | 9.67   | 50.29           | 32.73        | 9.28            |    | 4.2               | 2.30            | 100.6 |
| 730      | 12/30/2011 00:15:49 | 9.65   | 50.36           | 32.78        | 9.30            |    | 4.4               | 2.38            | 100.9 |
| 731      | 12/30/2011 00:30:49 | 9.65   | 50.40           | 32.80        | 9.32            |    | 4.3               | 2.47            | 101.0 |
| 732      | 12/30/2011 00:45:49 | 9.64   | 50.47           | 32.86        | 9.34            |    | 4.7               | 2.58            | 101.2 |
| 733      | 12/30/2011 01:00:49 | 9.70   | 50.42           | 32.82        | 9.34            |    | 5.7               | 2.64            | 101.4 |
| 734      | 12/30/2011 01:15:49 | 9.75   | 50.36           | 32.78        | 9.34            |    | 6.2               | 2.73            | 101.4 |
| 735      | 12/30/2011 01:30:49 | 9.76   | 50.50           | 32.88        | 9.34            |    | 6.0               | 2.82            | 101.5 |
| 736      | 12/30/2011 01:45:49 | 9.81   | 50.44           | 32.85        | 9.34            |    | 6.5               | 2.90            | 101.7 |
| 737      | 12/30/2011 02:00:49 | 9.88   | 50.68           | 33.03        | 9.33            |    | 7.6               | 2.99            | 101.8 |
| 738      | 12/30/2011 02:15:49 | 9.92   | 50.77           | 33.09        | 9.34            |    | 7.6               | 3.08            | 102.1 |
| 739      | 12/30/2011 02:30:49 | 10.03  | 50.82           | 33.14        | 9.36            |    | 7.7               | 3.16            | 102.6 |
| 740      | 12/30/2011 02:45:49 | 10.10  | 50.92           | 33.21        | 9.36            |    | 7.1               | 3.25            | 102.7 |
| 741      | 12/30/2011 03:00:49 | 10.13  | 50.98           | 33.26        | 9.36            |    | 6.5               | 3.31            | 102.9 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 742      | 12/30/2011 03:15:49 | 10.16  | 50.96           | 33.24        | 9.37            |    | 6.3               | 3.37            | 103.0 |
| 743      | 12/30/2011 03:30:49 | 10.18  | 50.97           | 33.26        | 9.35            |    | 5.6               | 3.45            | 102.9 |
| 744      | 12/30/2011 03:45:49 | 10.18  | 51.00           | 33.28        | 9.34            |    | 5.3               | 3.47            | 102.7 |
| 745      | 12/30/2011 04:00:49 | 10.18  | 50.88           | 33.19        | 9.29            |    | 4.5               | 3.51            | 102.1 |
| 746      | 12/30/2011 04:15:49 | 10.09  | 50.83           | 33.15        | 9.24            |    | 4.4               | 3.52            | 101.4 |
| 747      | 12/30/2011 04:30:49 | 10.12  | 50.92           | 33.21        | 9.24            |    | 4.2               | 3.50            | 101.4 |
| 748      | 12/30/2011 04:45:49 | 10.18  | 50.99           | 33.27        | 9.27            |    | 4.9               | 3.48            | 102.0 |
| 749      | 12/30/2011 05:00:49 | 10.15  | 50.90           | 33.20        | 9.26            |    | 4.3               | 3.44            | 101.8 |
| 750      | 12/30/2011 05:15:49 | 10.05  | 50.58           | 32.96        | 9.24            |    | 4.1               | 3.39            | 101.1 |
| 751      | 12/30/2011 05:30:49 | 10.01  | 50.45           | 32.86        | 9.22            |    | 4.0               | 3.33            | 100.8 |
| 752      | 12/30/2011 05:45:49 | 10.04  | 50.55           | 32.95        | 9.21            |    | 4.9               | 3.27            | 100.8 |
| 753      | 12/30/2011 06:00:49 | 10.09  | 50.78           | 33.11        | 9.25            |    | 5.2               | 3.18            | 101.5 |
| 754      | 12/30/2011 06:15:49 | 10.08  | 50.46           | 32.88        | 9.23            |    | 5.0               | 3.10            | 101.0 |
| 755      | 12/30/2011 06:30:49 | 10.01  | 50.41           | 32.84        | 9.18            |    | 5.4               | 3.03            | 100.3 |
| 756      | 12/30/2011 06:45:49 | 10.00  | 50.36           | 32.80        | 9.17            |    | 5.4               | 2.94            | 100.2 |
| 757      | 12/30/2011 07:00:49 | 10.01  | 50.29           | 32.75        | 9.18            |    | 7.3               | 2.84            | 100.3 |
| 758      | 12/30/2011 07:15:49 | 10.00  | 50.27           | 32.74        | 9.15            |    | 7.6               | 2.80            | 99.9  |
| 759      | 12/30/2011 07:30:49 | 9.98   | 50.19           | 32.67        | 9.13            |    | 6.0               | 2.72            | 99.6  |
| 760      | 12/30/2011 07:45:49 | 9.98   | 50.20           | 32.69        | 9.10            |    | 5.6               | 2.64            | 99.3  |
| 761      | 12/30/2011 08:00:49 | 10.03  | 50.14           | 32.64        | 9.11            |    | 5.4               | 2.58            | 99.5  |
| 762      | 12/30/2011 08:15:49 | 9.96   | 50.17           | 32.66        | 9.17            |    | 4.7               | 2.52            | 100.0 |
| 763      | 12/30/2011 08:30:49 | 9.99   | 50.13           | 32.63        | 9.14            |    | 5.1               | 2.45            | 99.8  |
| 764      | 12/30/2011 08:45:49 | 9.95   | 50.05           | 32.58        | 9.14            |    | 5.1               | 2.36            | 99.6  |
| 765      | 12/30/2011 09:00:49 | 9.96   | 50.03           | 32.56        | 9.13            |    | 5.2               | 2.36            | 99.5  |
| 766      | 12/30/2011 09:15:49 | 9.96   | 49.97           | 32.52        | 9.09            |    | 4.9               | 2.30            | 99.1  |
| 767      | 12/30/2011 09:30:49 | 9.93   | 49.93           | 32.48        | 9.08            |    | 4.8               | 2.25            | 98.8  |
| 768      | 12/30/2011 09:45:49 | 10.09  | 50.02           | 32.56        | 9.05            |    | 4.6               | 2.21            | 98.9  |
| 769      | 12/30/2011 10:00:49 | 9.98   | 49.58           | 32.23        | 8.99            |    | 4.6               | 2.24            | 97.9  |
| 770      | 12/30/2011 10:15:49 | 10.01  | 49.64           | 32.28        | 9.02            |    | 5.2               | 2.17            | 98.3  |
| 771      | 12/30/2011 10:30:49 | 10.02  | 49.77           | 32.37        | 9.05            |    | 5.2               | 2.19            | 98.7  |
| 772      | 12/30/2011 10:45:49 | 10.00  | 49.70           | 32.32        | 9.08            |    | 5.1               | 2.22            | 98.9  |
| 773      | 12/30/2011 11:00:49 | 9.97   | 49.69           | 32.31        | 9.08            |    | 4.8               | 2.26            | 98.8  |
| 774      | 12/30/2011 11:15:49 | 9.96   | 49.66           | 32.29        | 9.09            |    | 4.2               | 2.30            | 98.9  |
| 775      | 12/30/2011 11:30:49 | 10.06  | 49.47           | 32.16        | 9.08            |    | 4.9               | 2.34            | 98.9  |
| 776      | 12/30/2011 11:45:49 | 10.04  | 49.65           | 32.29        | 9.07            |    | 5.1               | 2.38            | 98.9  |
| 777      | 12/30/2011 12:00:49 | 10.03  | 49.68           | 32.31        | 9.10            |    | 5.1               | 2.46            | 99.1  |
| 778      | 12/30/2011 12:15:49 | 10.03  | 49.72           | 32.34        | 9.09            |    | 4.9               | 2.52            | 99.1  |
| 779      | 12/30/2011 12:30:49 | 10.04  | 49.80           | 32.40        | 9.10            |    | 4.6               | 2.57            | 99.2  |
| 780      | 12/30/2011 12:45:49 | 10.05  | 49.89           | 32.47        | 9.09            |    | 4.6               | 2.62            | 99.2  |
| 781      | 12/30/2011 13:00:49 | 10.06  | 49.79           | 32.39        | 9.11            |    | 4.5               | 2.68            | 99.4  |
| 782      | 12/30/2011 13:15:49 | 10.09  | 49.95           | 32.51        | 9.14            |    | 4.5               | 2.72            | 99.9  |
| 783      | 12/30/2011 13:30:49 | 10.13  | 49.90           | 32.48        | 9.16            |    | 4.5               | 2.78            | 100.2 |
| 784      | 12/30/2011 13:45:49 | 10.13  | 50.06           | 32.59        | 9.18            |    | 4.3               | 2.81            | 100.4 |
| 785      | 12/30/2011 14:00:49 | 10.12  | 50.11           | 32.63        | 9.18            |    | 4.3               | 2.88            | 100.5 |
| 786      | 12/30/2011 14:15:49 | 10.13  | 50.20           | 32.70        | 9.19            |    | 4.1               | 2.93            | 100.6 |
| 787      | 12/30/2011 14:30:49 | 10.15  | 50.20           | 32.70        | 9.18            |    | 4.2               | 2.94            | 100.6 |
| 788      | 12/30/2011 14:45:49 | 10.18  | 50.19           | 32.69        | 9.17            |    | 4.1               | 2.98            | 100.5 |
| 789      | 12/30/2011 15:00:49 | 10.19  | 50.26           | 32.74        | 9.19            |    | 4.2               | 3.03            | 100.8 |
| 790      | 12/30/2011 15:15:49 | 10.19  | 50.33           | 32.79        | 9.18            |    | 3.7               | 3.05            | 100.7 |
| 791      | 12/30/2011 15:30:49 | 10.23  | 50.14           | 32.66        | 9.24            |    | 3.5               | 3.06            | 101.4 |
| 792      | 12/30/2011 15:45:49 | 10.20  | 50.20           | 32.70        | 9.15            |    | 3.4               | 3.07            | 100.4 |
| 793      | 12/30/2011 16:00:49 | 10.18  | 50.34           | 32.80        | 9.10            |    | 3.8               | 3.06            | 99.8  |
| 794      | 12/30/2011 16:15:49 | 10.18  | 50.34           | 32.80        | 9.11            |    | 3.7               | 3.03            | 99.9  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 795      | 12/30/2011 16:30:49 | 10.19  | 50.27           | 32.75        | 9.09            |    | 3.6               | 3.03            | 99.7  |
| 796      | 12/30/2011 16:45:49 | 10.19  | 50.29           | 32.77        | 9.11            |    | 5.1               | 2.98            | 99.9  |
| 797      | 12/30/2011 17:00:49 | 10.24  | 50.22           | 32.71        | 9.33            |    | 4.4               | 2.92            | 102.4 |
| 798      | 12/30/2011 17:15:49 | 10.22  | 50.20           | 32.70        | 9.25            |    | 4.4               | 2.89            | 101.5 |
| 799      | 12/30/2011 17:30:49 | 10.08  | 50.14           | 32.65        | 9.32            |    | 4.5               | 2.79            | 101.9 |
| 800      | 12/30/2011 17:45:49 | 9.99   | 50.06           | 32.58        | 9.32            |    | 4.6               | 2.73            | 101.6 |
| 801      | 12/30/2011 18:00:49 | 10.01  | 50.10           | 32.62        | 9.24            |    | 4.8               | 2.65            | 100.9 |
| 802      | 12/30/2011 18:15:49 | 10.01  | 49.95           | 32.51        | 9.24            |    | 5.1               | 2.58            | 100.8 |
| 803      | 12/30/2011 18:30:49 | 10.01  | 49.86           | 32.44        | 9.20            |    | 5.1               | 2.50            | 100.3 |
| 804      | 12/30/2011 18:45:49 | 9.87   | 49.90           | 32.46        | 9.13            |    | 4.9               | 2.41            | 99.3  |
| 805      | 12/30/2011 19:00:49 | 9.89   | 49.72           | 32.33        | 9.16            |    | 5.0               | 2.32            | 99.6  |
| 806      | 12/30/2011 19:15:49 | 9.97   | 49.81           | 32.40        | 9.15            |    | 5.2               | 2.25            | 99.7  |
| 807      | 12/30/2011 19:30:49 | 9.83   | 49.88           | 32.44        | 9.10            |    | 4.7               | 2.15            | 98.8  |
| 808      | 12/30/2011 19:45:49 | 9.92   | 49.78           | 32.38        | 9.17            |    | 5.2               | 2.05            | 99.8  |
| 809      | 12/30/2011 20:00:49 | 10.03  | 49.54           | 32.21        | 9.36            |    | 5.4               | 1.99            | 101.9 |
| 810      | 12/30/2011 20:15:49 | 10.03  | 49.34           | 32.07        | 9.46            |    | 4.6               | 1.92            | 102.9 |
| 811      | 12/30/2011 20:30:49 | 10.09  | 49.29           | 32.03        | 9.55            |    | 4.5               | 1.85            | 104.0 |
| 812      | 12/30/2011 20:45:49 | 10.09  | 49.20           | 31.97        | 9.60            |    | 4.6               | 1.77            | 104.6 |
| 813      | 12/30/2011 21:00:49 | 10.09  | 49.24           | 32.00        | 9.57            |    | 4.6               | 1.76            | 104.3 |
| 814      | 12/30/2011 21:15:49 | 10.13  | 49.20           | 31.97        | 9.60            |    | 4.4               | 1.72            | 104.6 |
| 815      | 12/30/2011 21:30:49 | 10.09  | 49.21           | 31.98        | 9.57            |    | 4.3               | 1.73            | 104.2 |
| 816      | 12/30/2011 21:45:49 | 10.08  | 49.22           | 31.98        | 9.54            |    | 4.3               | 1.71            | 103.9 |
| 817      | 12/30/2011 22:00:49 | 10.08  | 49.21           | 31.98        | 9.52            |    | 4.2               | 1.73            | 103.6 |
| 818      | 12/30/2011 22:15:49 | 10.07  | 49.29           | 32.03        | 9.48            |    | 4.5               | 1.80            | 103.2 |
| 819      | 12/30/2011 22:30:49 | 10.06  | 49.24           | 32.00        | 9.49            |    | 4.5               | 1.83            | 103.3 |
| 820      | 12/30/2011 22:45:49 | 10.08  | 49.25           | 32.00        | 9.50            |    | 4.4               | 1.86            | 103.4 |
| 821      | 12/30/2011 23:00:49 | 10.11  | 49.21           | 31.97        | 9.47            |    | 4.3               | 1.95            | 103.2 |
| 822      | 12/30/2011 23:15:49 | 10.13  | 48.95           | 31.79        | 9.39            |    | 4.8               | 2.01            | 102.2 |
| 823      | 12/30/2011 23:30:49 | 10.13  | 49.06           | 31.87        | 9.36            |    | 4.6               | 2.08            | 102.0 |
| 824      | 12/30/2011 23:45:49 | 10.11  | 49.05           | 31.87        | 9.33            |    | 4.6               | 2.14            | 101.5 |
| 825      | 12/31/2011 00:00:49 | 10.12  | 48.98           | 31.81        | 9.29            |    | 4.9               | 2.21            | 101.1 |
| 826      | 12/31/2011 00:15:49 | 10.12  | 49.08           | 31.88        | 9.28            |    | 4.5               | 2.30            | 101.0 |
| 827      | 12/31/2011 00:30:49 | 10.12  | 49.43           | 32.14        | 9.22            |    | 4.5               | 2.36            | 100.6 |
| 828      | 12/31/2011 00:45:49 | 10.09  | 49.61           | 32.26        | 9.16            |    | 4.6               | 2.44            | 99.9  |
| 829      | 12/31/2011 01:00:49 | 10.06  | 49.63           | 32.28        | 9.12            |    | 4.6               | 2.52            | 99.4  |
| 830      | 12/31/2011 01:15:49 | 10.05  | 49.78           | 32.38        | 9.12            |    | 4.7               | 2.60            | 99.5  |
| 831      | 12/31/2011 01:30:49 | 10.06  | 49.78           | 32.39        | 9.15            |    | 4.7               | 2.66            | 99.8  |
| 832      | 12/31/2011 01:45:49 | 10.03  | 49.86           | 32.44        | 9.15            |    | 4.8               | 2.76            | 99.8  |
| 833      | 12/31/2011 02:00:49 | 10.00  | 49.69           | 32.32        | 9.15            |    | 4.8               | 2.82            | 99.7  |
| 834      | 12/31/2011 02:15:49 | 10.02  | 49.64           | 32.28        | 9.15            |    | 5.3               | 2.90            | 99.6  |
| 835      | 12/31/2011 02:30:49 | 10.04  | 49.98           | 32.53        | 9.15            |    | 5.9               | 2.97            | 99.9  |
| 836      | 12/31/2011 02:45:49 | 10.05  | 50.04           | 32.58        | 9.15            |    | 5.6               | 3.06            | 99.9  |
| 837      | 12/31/2011 03:00:49 | 10.04  | 50.19           | 32.68        | 9.13            |    | 6.2               | 3.13            | 99.8  |
| 838      | 12/31/2011 03:15:49 | 10.04  | 50.30           | 32.76        | 9.12            |    | 6.3               | 3.20            | 99.7  |
| 839      | 12/31/2011 03:30:49 | 10.06  | 50.29           | 32.75        | 9.14            |    | 6.4               | 3.29            | 99.9  |
| 840      | 12/31/2011 03:45:49 | 10.10  | 50.48           | 32.89        | 9.18            |    | 5.8               | 3.33            | 100.6 |
| 841      | 12/31/2011 04:00:49 | 10.14  | 50.52           | 32.93        | 9.22            |    | 5.3               | 3.39            | 101.1 |
| 842      | 12/31/2011 04:15:49 | 10.16  | 50.65           | 33.02        | 9.23            |    | 5.5               | 3.44            | 101.3 |
| 843      | 12/31/2011 04:30:49 | 10.18  | 50.67           | 33.04        | 9.23            |    | 4.6               | 3.46            | 101.4 |
| 844      | 12/31/2011 04:45:49 | 10.19  | 50.71           | 33.07        | 9.23            |    | 4.1               | 3.50            | 101.4 |
| 845      | 12/31/2011 05:00:49 | 10.08  | 50.57           | 32.96        | 9.11            |    | 4.0               | 3.49            | 99.8  |
| 846      | 12/31/2011 05:15:49 | 10.16  | 50.65           | 33.02        | 9.15            |    | 4.6               | 3.49            | 100.4 |
| 847      | 12/31/2011 05:30:49 | 10.15  | 50.63           | 33.01        | 9.15            |    | 3.9               | 3.47            | 100.4 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 848      | 12/31/2011 05:45:49 | 10.08  | 50.61           | 32.99        | 9.17            |    | 4.8               | 3.40            | 100.5 |
| 849      | 12/31/2011 06:00:49 | 9.63   | 49.95           | 32.48        | 8.95            |    | 4.5               | 3.36            | 96.8  |
| 850      | 12/31/2011 06:15:49 | 9.50   | 49.88           | 32.42        | 8.92            |    | 4.2               | 3.29            | 96.1  |
| 851      | 12/31/2011 06:30:49 | 9.61   | 49.89           | 32.44        | 9.00            |    | 4.3               | 3.21            | 97.3  |
| 852      | 12/31/2011 06:45:49 | 9.66   | 49.90           | 32.45        | 8.98            |    | 4.1               | 3.15            | 97.2  |
| 853      | 12/31/2011 07:00:49 | 9.70   | 49.95           | 32.49        | 8.96            |    | 4.3               | 3.07            | 97.1  |
| 854      | 12/31/2011 07:15:49 | 9.67   | 49.91           | 32.45        | 8.96            |    | 4.9               | 3.00            | 97.0  |
| 855      | 12/31/2011 07:30:49 | 9.62   | 49.65           | 32.26        | 8.95            |    | 3.7               | 2.92            | 96.6  |
| 856      | 12/31/2011 07:45:49 | 9.62   | 49.84           | 32.40        | 8.95            |    | 4.0               | 2.85            | 96.7  |
| 857      | 12/31/2011 08:00:49 | 9.52   | 49.60           | 32.22        | 8.91            |    | 3.7               | 2.76            | 96.0  |
| 858      | 12/31/2011 08:15:49 | 9.52   | 49.40           | 32.07        | 8.92            |    | 4.0               | 2.70            | 96.0  |
| 859      | 12/31/2011 08:30:49 | 9.58   | 49.62           | 32.24        | 8.95            |    | 4.0               | 2.61            | 96.5  |
| 860      | 12/31/2011 08:45:49 | 9.63   | 49.50           | 32.15        | 8.99            |    | 4.5               | 2.54            | 97.0  |
| 861      | 12/31/2011 09:00:49 | 9.58   | 49.73           | 32.31        | 9.01            |    | 3.9               | 2.48            | 97.3  |
| 862      | 12/31/2011 09:15:49 | 9.58   | 49.53           | 32.17        | 9.04            |    | 3.7               | 2.41            | 97.5  |
| 863      | 12/31/2011 09:30:49 | 9.54   | 49.13           | 31.88        | 9.09            |    | 4.0               | 2.34            | 97.7  |
| 864      | 12/31/2011 09:45:49 | 9.43   | 48.92           | 31.73        | 9.09            |    | 3.7               | 2.28            | 97.5  |
| 865      | 12/31/2011 10:00:49 | 9.38   | 48.84           | 31.66        | 9.10            |    | 3.7               | 2.24            | 97.3  |
| 866      | 12/31/2011 10:15:49 | 9.37   | 48.72           | 31.57        | 9.13            |    | 3.8               | 2.19            | 97.6  |
| 867      | 12/31/2011 10:30:49 | 9.39   | 48.59           | 31.48        | 9.15            |    | 3.7               | 2.15            | 97.8  |
| 868      | 12/31/2011 10:45:49 | 9.40   | 48.62           | 31.50        | 9.11            |    | 3.9               | 2.13            | 97.4  |
| 869      | 12/31/2011 11:00:49 | 9.42   | 48.61           | 31.50        | 9.11            |    | 3.5               | 2.11            | 97.4  |
| 870      | 12/31/2011 11:15:49 | 9.52   | 48.79           | 31.63        | 9.03            |    | 3.9               | 2.12            | 96.9  |
| 871      | 12/31/2011 11:30:49 | 9.52   | 48.97           | 31.76        | 9.02            |    | 3.8               | 2.12            | 96.9  |
| 872      | 12/31/2011 11:45:49 | 9.50   | 48.90           | 31.71        | 9.04            |    | 3.8               | 2.16            | 97.0  |
| 873      | 12/31/2011 12:00:49 | 9.50   | 48.88           | 31.70        | 9.04            |    | 3.7               | 2.19            | 97.0  |
| 874      | 12/31/2011 12:15:49 | 9.51   | 48.80           | 31.64        | 9.03            |    | 3.9               | 2.23            | 96.9  |
| 875      | 12/31/2011 12:30:49 | 9.52   | 48.80           | 31.64        | 9.00            |    | 4.0               | 2.29            | 96.6  |
| 876      | 12/31/2011 12:45:49 | 9.53   | 48.80           | 31.64        | 8.99            |    | 4.0               | 2.33            | 96.5  |
| 877      | 12/31/2011 13:00:49 | 9.54   | 48.77           | 31.62        | 8.98            |    | 4.0               | 2.38            | 96.4  |
| 878      | 12/31/2011 13:15:49 | 9.55   | 48.77           | 31.62        | 8.97            |    | 4.0               | 2.42            | 96.3  |
| 879      | 12/31/2011 13:30:49 | 9.56   | 49.00           | 31.79        | 8.96            |    | 4.0               | 2.47            | 96.3  |
| 880      | 12/31/2011 13:45:49 | 9.56   | 49.03           | 31.81        | 8.95            |    | 4.0               | 2.51            | 96.2  |
| 881      | 12/31/2011 14:00:49 | 9.59   | 49.11           | 31.87        | 8.93            |    | 4.0               | 2.55            | 96.1  |
| 882      | 12/31/2011 14:15:49 | 9.61   | 49.11           | 31.87        | 8.91            |    | 4.0               | 2.58            | 95.9  |
| 883      | 12/31/2011 14:30:49 | 9.65   | 49.50           | 32.15        | 8.90            |    | 3.8               | 2.63            | 96.1  |
| 884      | 12/31/2011 14:45:49 | 9.71   | 49.67           | 32.29        | 8.91            |    | 3.9               | 2.66            | 96.4  |
| 885      | 12/31/2011 15:00:49 | 9.76   | 49.57           | 32.21        | 8.95            |    | 3.7               | 2.70            | 96.9  |
| 886      | 12/31/2011 15:15:49 | 9.80   | 49.71           | 32.32        | 8.96            |    | 3.8               | 2.73            | 97.2  |
| 887      | 12/31/2011 15:30:49 | 9.82   | 49.68           | 32.30        | 8.98            |    | 3.5               | 2.77            | 97.4  |
| 888      | 12/31/2011 15:45:49 | 9.83   | 49.81           | 32.39        | 8.98            |    | 3.6               | 2.82            | 97.5  |
| 889      | 12/31/2011 16:00:49 | 9.84   | 49.66           | 32.28        | 8.98            |    | 3.5               | 2.84            | 97.5  |
| 890      | 12/31/2011 16:15:49 | 9.85   | 49.77           | 32.36        | 8.97            |    | 3.5               | 2.86            | 97.4  |
| 891      | 12/31/2011 16:30:49 | 9.84   | 49.83           | 32.40        | 8.96            |    | 3.6               | 2.90            | 97.4  |
| 892      | 12/31/2011 16:45:49 | 9.84   | 49.66           | 32.28        | 8.92            |    | 3.4               | 2.90            | 96.8  |
| 893      | 12/31/2011 17:00:49 | 9.84   | 49.80           | 32.38        | 8.92            |    | 3.5               | 2.89            | 96.9  |
| 894      | 12/31/2011 17:15:49 | 9.84   | 49.75           | 32.35        | 8.88            |    | 3.3               | 2.90            | 96.3  |
| 895      | 12/31/2011 17:30:49 | 9.83   | 49.82           | 32.40        | 8.91            |    | 3.4               | 2.88            | 96.8  |
| 896      | 12/31/2011 17:45:49 | 9.83   | 49.83           | 32.41        | 8.90            |    | 3.5               | 2.85            | 96.7  |
| 897      | 12/31/2011 18:00:49 | 9.83   | 49.58           | 32.22        | 8.88            |    | 3.8               | 2.82            | 96.3  |
| 898      | 12/31/2011 18:15:49 | 9.84   | 49.33           | 32.05        | 8.95            |    | 4.1               | 2.74            | 97.0  |
| 899      | 12/31/2011 18:30:49 | 9.87   | 49.19           | 31.95        | 9.13            |    | 4.4               | 2.70            | 98.9  |
| 900      | 12/31/2011 18:45:49 | 9.86   | 48.83           | 31.69        | 9.41            |    | 4.5               | 2.62            | 101.8 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time         | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|---------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 901      | 12/31/2011 19:00:49 | 9.80   | 48.76           | 31.63        | 9.27            |    | 4.7               | 2.55            | 100.1 |
| 902      | 12/31/2011 19:15:49 | 9.77   | 48.81           | 31.67        | 9.29            |    | 4.2               | 2.49            | 100.3 |
| 903      | 12/31/2011 19:30:49 | 9.76   | 48.73           | 31.61        | 9.24            |    | 4.2               | 2.41            | 99.6  |
| 904      | 12/31/2011 19:45:49 | 9.69   | 48.80           | 31.65        | 9.05            |    | 4.3               | 2.35            | 97.5  |
| 905      | 12/31/2011 20:00:49 | 9.65   | 48.78           | 31.64        | 8.98            |    | 4.2               | 2.29            | 96.7  |
| 906      | 12/31/2011 20:15:49 | 9.72   | 48.87           | 31.71        | 9.12            |    | 4.3               | 2.22            | 98.3  |
| 907      | 12/31/2011 20:30:49 | 9.65   | 48.66           | 31.55        | 9.15            |    | 4.2               | 2.17            | 98.4  |
| 908      | 12/31/2011 20:45:49 | 9.64   | 48.67           | 31.56        | 9.15            |    | 4.0               | 2.11            | 98.4  |
| 909      | 12/31/2011 21:00:49 | 9.67   | 48.43           | 31.38        | 9.33            |    | 3.8               | 2.07            | 100.3 |
| 910      | 12/31/2011 21:15:49 | 9.65   | 48.59           | 31.50        | 9.38            |    | 3.8               | 2.03            | 100.8 |
| 911      | 12/31/2011 21:30:49 | 9.65   | 48.37           | 31.34        | 9.40            |    | 3.8               | 2.01            | 100.9 |
| 912      | 12/31/2011 21:45:49 | 9.64   | 48.55           | 31.47        | 9.41            |    | 3.9               | 2.00            | 101.2 |
| 913      | 12/31/2011 22:00:49 | 9.63   | 48.54           | 31.46        | 9.36            |    | 3.6               | 1.97            | 100.5 |
| 914      | 12/31/2011 22:15:49 | 9.67   | 48.67           | 31.56        | 9.14            |    | 3.7               | 1.98            | 98.3  |
| 915      | 12/31/2011 22:30:49 | 9.66   | 48.64           | 31.54        | 9.09            |    | 3.6               | 1.98            | 97.8  |
| 916      | 12/31/2011 22:45:49 | 9.65   | 48.72           | 31.59        | 9.05            |    | 3.9               | 2.01            | 97.4  |
| 917      | 12/31/2011 23:00:49 | 9.65   | 48.54           | 31.46        | 9.05            |    | 4.1               | 2.03            | 97.3  |
| 918      | 12/31/2011 23:15:49 | 9.64   | 48.75           | 31.62        | 9.00            |    | 3.9               | 2.06            | 96.8  |
| 919      | 12/31/2011 23:30:49 | 9.64   | 48.58           | 31.49        | 8.97            |    | 3.9               | 2.10            | 96.5  |
| 920      | 12/31/2011 23:45:49 | 9.64   | 48.62           | 31.52        | 8.97            |    | 4.2               | 2.16            | 96.5  |
| 921      | 1/1/2012 00:00:49   | 9.65   | 48.66           | 31.55        | 8.97            |    | 3.9               | 2.21            | 96.5  |
| 922      | 1/1/2012 00:15:49   | 9.65   | 48.62           | 31.52        | 8.98            |    | 4.0               | 2.27            | 96.6  |
| 923      | 1/1/2012 00:30:49   | 9.67   | 48.71           | 31.58        | 8.98            |    | 4.1               | 2.33            | 96.6  |
| 924      | 1/1/2012 00:45:49   | 9.71   | 48.90           | 31.73        | 8.97            |    | 3.8               | 2.39            | 96.7  |
| 925      | 1/1/2012 01:00:49   | 9.74   | 48.85           | 31.70        | 8.95            |    | 3.7               | 2.44            | 96.5  |
| 926      | 1/1/2012 01:15:49   | 9.76   | 49.13           | 31.90        | 8.92            |    | 3.7               | 2.50            | 96.4  |
| 927      | 1/1/2012 01:30:49   | 9.78   | 49.35           | 32.05        | 8.89            |    | 4.2               | 2.57            | 96.2  |
| 928      | 1/1/2012 01:45:49   | 9.79   | 49.45           | 32.13        | 8.91            |    | 3.7               | 2.65            | 96.5  |
| 929      | 1/1/2012 02:00:49   | 9.79   | 49.47           | 32.15        | 8.92            |    | 4.6               | 2.71            | 96.6  |
| 930      | 1/1/2012 02:15:49   | 9.78   | 49.48           | 32.15        | 8.95            |    | 4.4               | 2.77            | 96.8  |
| 931      | 1/1/2012 02:30:49   | 9.76   | 49.52           | 32.18        | 8.98            |    | 4.3               | 2.87            | 97.2  |
| 932      | 1/1/2012 02:45:49   | 9.77   | 49.56           | 32.21        | 8.96            |    | 4.6               | 2.93            | 97.1  |
| 933      | 1/1/2012 03:00:49   | 9.79   | 49.60           | 32.24        | 8.94            |    | 4.4               | 3.00            | 96.8  |
| 934      | 1/1/2012 03:15:49   | 9.81   | 49.72           | 32.33        | 8.92            |    | 5.4               | 3.07            | 96.8  |
| 935      | 1/1/2012 03:30:49   | 9.88   | 49.93           | 32.48        | 8.95            |    | 5.1               | 3.15            | 97.3  |
| 936      | 1/1/2012 03:45:49   | 9.91   | 49.84           | 32.42        | 8.99            |    | 4.9               | 3.22            | 97.8  |
| 937      | 1/1/2012 04:00:49   | 9.92   | 50.07           | 32.59        | 9.00            |    | 5.3               | 3.28            | 98.0  |
| 938      | 1/1/2012 04:15:49   | 9.92   | 50.12           | 32.63        | 9.03            |    | 5.2               | 3.35            | 98.3  |
| 939      | 1/1/2012 04:30:49   | 9.95   | 50.21           | 32.69        | 9.03            |    | 4.5               | 3.40            | 98.5  |
| 940      | 1/1/2012 04:45:49   | 9.96   | 50.31           | 32.77        | 9.05            |    | 4.5               | 3.43            | 98.8  |
| 941      | 1/1/2012 05:00:49   | 9.98   | 50.37           | 32.80        | 9.08            |    | 4.2               | 3.48            | 99.2  |
| 942      | 1/1/2012 05:15:49   | 10.01  | 50.43           | 32.85        | 9.13            |    | 4.0               | 3.51            | 99.8  |
| 943      | 1/1/2012 05:30:49   | 10.01  | 50.40           | 32.83        | 9.09            |    | 3.7               | 3.51            | 99.3  |
| 944      | 1/1/2012 05:45:49   | 9.98   | 50.43           | 32.85        | 9.04            |    | 3.8               | 3.51            | 98.7  |
| 945      | 1/1/2012 06:00:49   | 10.00  | 50.42           | 32.85        | 9.05            |    | 4.2               | 3.49            | 98.8  |
| 946      | 1/1/2012 06:15:49   | 9.97   | 50.31           | 32.77        | 9.03            |    | 3.8               | 3.47            | 98.6  |
| 947      | 1/1/2012 06:30:49   | 9.83   | 50.16           | 32.65        | 8.93            |    | 4.6               | 3.40            | 97.1  |
| 948      | 1/1/2012 06:45:49   | 9.54   | 49.65           | 32.26        | 8.79            |    | 4.0               | 3.34            | 94.7  |
| 949      | 1/1/2012 07:00:49   | 9.54   | 49.54           | 32.17        | 8.81            |    | 4.1               | 3.29            | 94.9  |
| 950      | 1/1/2012 07:15:49   | 9.53   | 49.57           | 32.20        | 8.87            |    | 3.8               | 3.20            | 95.6  |
| 951      | 1/1/2012 07:30:49   | 9.58   | 49.68           | 32.28        | 8.84            |    | 3.7               | 3.14            | 95.4  |
| 952      | 1/1/2012 07:45:49   | 9.55   | 49.61           | 32.23        | 8.79            |    | 3.5               | 3.07            | 94.7  |
| 953      | 1/1/2012 08:00:49   | 9.48   | 49.48           | 32.13        | 8.74            |    | 3.5               | 2.99            | 94.0  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|------|
| 954      | 1/1/2012 08:15:49 | 9.43   | 49.29           | 31.99        | 8.75            |    | 3.7               | 2.92            | 93.9 |
| 955      | 1/1/2012 08:30:49 | 9.41   | 49.23           | 31.94        | 8.74            |    | 3.5               | 2.85            | 93.7 |
| 956      | 1/1/2012 08:45:49 | 9.41   | 49.26           | 31.97        | 8.74            |    | 3.4               | 2.78            | 93.8 |
| 957      | 1/1/2012 09:00:49 | 9.41   | 49.34           | 32.02        | 8.75            |    | 3.3               | 2.70            | 93.9 |
| 958      | 1/1/2012 09:15:49 | 9.31   | 48.76           | 31.60        | 8.85            |    | 4.2               | 2.62            | 94.5 |
| 959      | 1/1/2012 09:30:49 | 9.35   | 49.10           | 31.85        | 8.90            |    | 3.8               | 2.55            | 95.3 |
| 960      | 1/1/2012 09:45:49 | 9.27   | 48.70           | 31.55        | 8.93            |    | 4.1               | 2.47            | 95.3 |
| 961      | 1/1/2012 10:00:49 | 9.19   | 48.36           | 31.31        | 8.98            |    | 3.8               | 2.41            | 95.5 |
| 962      | 1/1/2012 10:15:49 | 9.22   | 48.36           | 31.31        | 9.04            |    | 3.8               | 2.33            | 96.2 |
| 963      | 1/1/2012 10:30:49 | 9.22   | 48.26           | 31.23        | 9.10            |    | 3.8               | 2.26            | 96.7 |
| 964      | 1/1/2012 10:45:49 | 9.27   | 48.41           | 31.35        | 9.19            |    | 3.7               | 2.20            | 97.8 |
| 965      | 1/1/2012 11:00:49 | 9.27   | 48.12           | 31.14        | 9.20            |    | 3.7               | 2.15            | 97.9 |
| 966      | 1/1/2012 11:15:49 | 9.31   | 48.23           | 31.22        | 9.21            |    | 3.8               | 2.09            | 98.2 |
| 967      | 1/1/2012 11:30:49 | 9.31   | 48.34           | 31.30        | 9.09            |    | 3.5               | 2.04            | 96.9 |
| 968      | 1/1/2012 11:45:49 | 9.30   | 48.16           | 31.17        | 9.07            |    | 3.2               | 2.03            | 96.6 |
| 969      | 1/1/2012 12:00:49 | 9.33   | 48.22           | 31.21        | 9.09            |    | 3.6               | 2.01            | 96.9 |
| 970      | 1/1/2012 12:15:49 | 9.31   | 48.55           | 31.45        | 8.89            |    | 3.6               | 1.98            | 94.9 |
| 971      | 1/1/2012 12:30:49 | 9.31   | 48.53           | 31.43        | 8.90            |    | 3.3               | 2.01            | 94.9 |
| 972      | 1/1/2012 12:45:49 | 9.48   | 48.29           | 31.28        | 9.01            |    | 6.3               | 2.05            | 96.3 |
| 973      | 1/1/2012 13:00:49 | 9.39   | 48.27           | 31.25        | 8.98            |    | 3.6               | 2.05            | 95.8 |
| 974      | 1/1/2012 13:15:49 | 9.38   | 48.28           | 31.26        | 8.96            |    | 3.5               | 2.08            | 95.6 |
| 975      | 1/1/2012 13:30:49 | 9.39   | 48.18           | 31.19        | 8.95            |    | 3.5               | 2.14            | 95.5 |
| 976      | 1/1/2012 13:45:49 | 9.39   | 48.10           | 31.13        | 8.94            |    | 3.8               | 2.18            | 95.4 |
| 977      | 1/1/2012 14:00:49 | 9.34   | 47.91           | 30.99        | 8.92            |    | 4.0               | 2.22            | 95.0 |
| 978      | 1/1/2012 14:15:49 | 9.32   | 48.11           | 31.14        | 8.92            |    | 3.7               | 2.26            | 95.0 |
| 979      | 1/1/2012 14:30:49 | 9.32   | 48.10           | 31.12        | 8.91            |    | 3.7               | 2.32            | 94.9 |
| 980      | 1/1/2012 14:45:49 | 9.31   | 48.16           | 31.17        | 8.88            |    | 3.7               | 2.36            | 94.6 |
| 981      | 1/1/2012 15:00:49 | 9.32   | 48.22           | 31.21        | 8.83            |    | 3.8               | 2.40            | 94.1 |
| 982      | 1/1/2012 15:15:49 | 9.37   | 48.44           | 31.37        | 8.81            |    | 3.9               | 2.44            | 94.1 |
| 983      | 1/1/2012 15:30:49 | 9.42   | 48.61           | 31.50        | 8.78            |    | 3.5               | 2.48            | 93.9 |
| 984      | 1/1/2012 15:45:49 | 9.47   | 48.94           | 31.74        | 8.77            |    | 3.5               | 2.52            | 94.1 |
| 985      | 1/1/2012 16:00:49 | 9.52   | 48.91           | 31.72        | 8.77            |    | 3.6               | 2.55            | 94.1 |
| 986      | 1/1/2012 16:15:49 | 9.56   | 49.07           | 31.84        | 8.77            |    | 3.5               | 2.59            | 94.3 |
| 987      | 1/1/2012 16:30:49 | 9.60   | 49.21           | 31.95        | 8.77            |    | 3.8               | 2.62            | 94.5 |
| 988      | 1/1/2012 16:45:49 | 9.63   | 49.37           | 32.06        | 8.78            |    | 3.4               | 2.65            | 94.7 |
| 989      | 1/1/2012 17:00:49 | 9.64   | 49.27           | 31.99        | 8.77            |    | 3.4               | 2.68            | 94.6 |
| 990      | 1/1/2012 17:15:49 | 9.64   | 49.39           | 32.07        | 8.75            |    | 3.4               | 2.70            | 94.4 |
| 991      | 1/1/2012 17:30:49 | 9.65   | 49.23           | 31.96        | 8.78            |    | 3.4               | 2.74            | 94.7 |
| 992      | 1/1/2012 17:45:49 | 9.65   | 49.33           | 32.03        | 8.76            |    | 3.2               | 2.74            | 94.5 |
| 993      | 1/1/2012 18:00:49 | 9.65   | 49.35           | 32.05        | 8.72            |    | 3.2               | 2.74            | 94.0 |
| 994      | 1/1/2012 18:15:49 | 9.64   | 49.39           | 32.08        | 8.69            |    | 3.2               | 2.75            | 93.7 |
| 995      | 1/1/2012 18:30:49 | 9.65   | 49.42           | 32.10        | 8.71            |    | 3.2               | 2.75            | 94.0 |
| 996      | 1/1/2012 18:45:49 | 9.64   | 49.36           | 32.05        | 8.71            |    | 3.5               | 2.72            | 94.0 |
| 997      | 1/1/2012 19:00:49 | 9.65   | 49.39           | 32.08        | 8.70            |    | 3.4               | 2.69            | 93.9 |
| 998      | 1/1/2012 19:15:49 | 9.63   | 49.33           | 32.03        | 8.67            |    | 3.5               | 2.67            | 93.5 |
| 999      | 1/1/2012 19:30:49 | 9.60   | 49.17           | 31.91        | 8.67            |    | 3.4               | 2.62            | 93.3 |
| 1000     | 1/1/2012 19:45:49 | 9.63   | 49.06           | 31.84        | 8.73            |    | 3.6               | 2.58            | 94.0 |
| 1001     | 1/1/2012 20:00:49 | 9.61   | 48.95           | 31.76        | 8.74            |    | 3.6               | 2.54            | 94.1 |
| 1002     | 1/1/2012 20:15:49 | 9.59   | 48.63           | 31.52        | 8.91            |    | 3.9               | 2.48            | 95.7 |
| 1003     | 1/1/2012 20:30:49 | 9.54   | 48.28           | 31.27        | 9.01            |    | 3.8               | 2.43            | 96.5 |
| 1004     | 1/1/2012 20:45:49 | 9.48   | 48.28           | 31.26        | 8.94            |    | 3.7               | 2.39            | 95.6 |
| 1005     | 1/1/2012 21:00:49 | 9.42   | 48.22           | 31.22        | 8.90            |    | 3.6               | 2.35            | 95.1 |
| 1006     | 1/1/2012 21:15:49 | 9.37   | 48.21           | 31.21        | 8.92            |    | 3.6               | 2.30            | 95.1 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|------|
| 1007     | 1/1/2012 21:30:49 | 9.32   | 48.13           | 31.15        | 8.88            |    | 3.4               | 2.27            | 94.6 |
| 1008     | 1/1/2012 21:45:49 | 9.32   | 48.09           | 31.12        | 8.88            |    | 3.5               | 2.24            | 94.5 |
| 1009     | 1/1/2012 22:00:49 | 9.32   | 48.20           | 31.20        | 8.85            |    | 3.5               | 2.20            | 94.3 |
| 1010     | 1/1/2012 22:15:49 | 9.34   | 48.22           | 31.21        | 8.80            |    | 3.2               | 2.18            | 93.8 |
| 1011     | 1/1/2012 22:30:49 | 9.35   | 48.27           | 31.25        | 8.78            |    | 3.4               | 2.18            | 93.7 |
| 1012     | 1/1/2012 22:45:49 | 9.46   | 48.46           | 31.39        | 8.82            |    | 3.3               | 2.16            | 94.4 |
| 1013     | 1/1/2012 23:00:49 | 9.46   | 48.46           | 31.39        | 8.83            |    | 3.2               | 2.16            | 94.5 |
| 1014     | 1/1/2012 23:15:49 | 9.46   | 48.41           | 31.36        | 8.84            |    | 3.2               | 2.17            | 94.5 |
| 1015     | 1/1/2012 23:30:49 | 9.39   | 48.36           | 31.31        | 8.85            |    | 3.5               | 2.19            | 94.5 |
| 1016     | 1/1/2012 23:45:49 | 9.41   | 48.34           | 31.30        | 8.86            |    | 4.1               | 2.20            | 94.6 |
| 1017     | 1/2/2012 00:00:49 | 9.43   | 48.37           | 31.33        | 8.84            |    | 3.9               | 2.22            | 94.5 |
| 1018     | 1/2/2012 00:15:49 | 9.38   | 48.41           | 31.36        | 8.84            |    | 4.0               | 2.26            | 94.4 |
| 1019     | 1/2/2012 00:30:49 | 9.31   | 48.24           | 31.22        | 8.91            |    | 3.6               | 2.30            | 94.9 |
| 1020     | 1/2/2012 00:45:49 | 9.35   | 48.24           | 31.22        | 8.90            |    | 3.8               | 2.34            | 94.9 |
| 1021     | 1/2/2012 01:00:49 | 9.49   | 48.42           | 31.36        | 8.82            |    | 3.6               | 2.38            | 94.4 |
| 1022     | 1/2/2012 01:15:49 | 9.53   | 48.55           | 31.47        | 8.75            |    | 3.5               | 2.43            | 93.9 |
| 1023     | 1/2/2012 01:30:49 | 9.55   | 48.63           | 31.52        | 8.76            |    | 3.5               | 2.49            | 94.0 |
| 1024     | 1/2/2012 01:45:49 | 9.58   | 48.87           | 31.70        | 8.71            |    | 3.5               | 2.55            | 93.6 |
| 1025     | 1/2/2012 02:00:49 | 9.58   | 48.93           | 31.74        | 8.71            |    | 3.3               | 2.60            | 93.6 |
| 1026     | 1/2/2012 02:15:49 | 9.60   | 49.15           | 31.90        | 8.69            |    | 3.3               | 2.65            | 93.5 |
| 1027     | 1/2/2012 02:30:49 | 9.61   | 49.14           | 31.89        | 8.70            |    | 3.3               | 2.73            | 93.7 |
| 1028     | 1/2/2012 02:45:49 | 9.64   | 49.35           | 32.05        | 8.71            |    | 3.5               | 2.79            | 94.0 |
| 1029     | 1/2/2012 03:00:49 | 9.63   | 49.42           | 32.10        | 8.72            |    | 3.8               | 2.86            | 94.1 |
| 1030     | 1/2/2012 03:15:49 | 9.62   | 49.28           | 32.00        | 8.74            |    | 3.7               | 2.93            | 94.3 |
| 1031     | 1/2/2012 03:30:49 | 9.68   | 49.59           | 32.22        | 8.75            |    | 3.7               | 3.00            | 94.6 |
| 1032     | 1/2/2012 03:45:49 | 9.71   | 49.61           | 32.24        | 8.76            |    | 4.0               | 3.08            | 94.7 |
| 1033     | 1/2/2012 04:00:49 | 9.78   | 49.76           | 32.35        | 8.80            |    | 4.2               | 3.14            | 95.4 |
| 1034     | 1/2/2012 04:15:49 | 9.83   | 49.78           | 32.37        | 8.82            |    | 4.2               | 3.22            | 95.7 |
| 1035     | 1/2/2012 04:30:49 | 9.87   | 49.82           | 32.40        | 8.87            |    | 4.3               | 3.28            | 96.3 |
| 1036     | 1/2/2012 04:45:49 | 9.89   | 49.97           | 32.51        | 8.87            |    | 4.1               | 3.33            | 96.5 |
| 1037     | 1/2/2012 05:00:49 | 9.90   | 50.09           | 32.60        | 8.88            |    | 3.9               | 3.40            | 96.7 |
| 1038     | 1/2/2012 05:15:49 | 9.89   | 50.16           | 32.65        | 8.89            |    | 3.7               | 3.43            | 96.7 |
| 1039     | 1/2/2012 05:30:49 | 9.88   | 50.17           | 32.66        | 8.88            |    | 3.3               | 3.48            | 96.7 |
| 1040     | 1/2/2012 05:45:49 | 9.88   | 50.13           | 32.63        | 8.87            |    | 3.5               | 3.51            | 96.5 |
| 1041     | 1/2/2012 06:00:49 | 9.87   | 50.20           | 32.68        | 8.85            |    | 3.4               | 3.53            | 96.4 |
| 1042     | 1/2/2012 06:15:49 | 9.87   | 50.13           | 32.63        | 8.82            |    | 3.9               | 3.52            | 96.0 |
| 1043     | 1/2/2012 06:30:49 | 9.87   | 50.17           | 32.65        | 8.80            |    | 3.4               | 3.51            | 95.8 |
| 1044     | 1/2/2012 06:45:49 | 9.88   | 50.21           | 32.68        | 8.83            |    | 3.5               | 3.51            | 96.1 |
| 1045     | 1/2/2012 07:00:49 | 9.83   | 50.02           | 32.54        | 8.81            |    | 3.2               | 3.47            | 95.7 |
| 1046     | 1/2/2012 07:15:49 | 9.64   | 49.62           | 32.24        | 8.83            |    | 3.4               | 3.43            | 95.4 |
| 1047     | 1/2/2012 07:30:49 | 9.66   | 49.68           | 32.28        | 8.84            |    | 3.4               | 3.39            | 95.5 |
| 1048     | 1/2/2012 07:45:49 | 9.68   | 49.71           | 32.31        | 8.82            |    | 3.2               | 3.33            | 95.4 |
| 1049     | 1/2/2012 08:00:49 | 9.63   | 49.63           | 32.25        | 8.78            |    | 3.4               | 3.27            | 94.8 |
| 1050     | 1/2/2012 08:15:49 | 9.61   | 49.53           | 32.18        | 8.74            |    | 3.3               | 3.20            | 94.3 |
| 1051     | 1/2/2012 08:30:49 | 9.62   | 49.52           | 32.17        | 8.72            |    | 3.4               | 3.13            | 94.1 |
| 1052     | 1/2/2012 08:45:49 | 9.56   | 49.29           | 32.00        | 8.71            |    | 3.4               | 3.07            | 93.7 |
| 1053     | 1/2/2012 09:00:49 | 9.56   | 49.22           | 31.95        | 8.70            |    | 3.7               | 2.99            | 93.6 |
| 1054     | 1/2/2012 09:15:49 | 9.56   | 49.20           | 31.93        | 8.70            |    | 3.7               | 2.92            | 93.6 |
| 1055     | 1/2/2012 09:30:49 | 9.48   | 48.96           | 31.76        | 8.69            |    | 3.7               | 2.83            | 93.2 |
| 1056     | 1/2/2012 09:45:49 | 9.41   | 48.71           | 31.57        | 8.67            |    | 3.9               | 2.75            | 92.8 |
| 1057     | 1/2/2012 10:00:49 | 9.45   | 48.84           | 31.66        | 8.70            |    | 3.7               | 2.70            | 93.2 |
| 1058     | 1/2/2012 10:15:49 | 9.52   | 48.89           | 31.70        | 8.75            |    | 4.0               | 2.61            | 93.9 |
| 1059     | 1/2/2012 10:30:49 | 9.49   | 48.70           | 31.57        | 8.85            |    | 4.0               | 2.52            | 94.8 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 1060     | 1/2/2012 10:45:49 | 9.55   | 48.66           | 31.54        | 8.92            |    | 3.7               | 2.45            | 95.7  |
| 1061     | 1/2/2012 11:00:49 | 9.52   | 48.43           | 31.38        | 9.00            |    | 3.5               | 2.37            | 96.4  |
| 1062     | 1/2/2012 11:15:49 | 9.66   | 48.61           | 31.52        | 9.09            |    | 3.6               | 2.28            | 97.8  |
| 1063     | 1/2/2012 11:30:49 | 9.68   | 48.51           | 31.45        | 9.20            |    | 3.5               | 2.20            | 99.0  |
| 1064     | 1/2/2012 11:45:49 | 9.69   | 48.53           | 31.46        | 9.24            |    | 3.6               | 2.14            | 99.4  |
| 1065     | 1/2/2012 12:00:49 | 9.67   | 48.38           | 31.35        | 9.31            |    | 3.6               | 2.07            | 100.0 |
| 1066     | 1/2/2012 12:15:49 | 9.70   | 48.33           | 31.32        | 9.35            |    | 3.5               | 2.01            | 100.6 |
| 1067     | 1/2/2012 12:30:49 | 9.64   | 48.19           | 31.21        | 9.32            |    | 3.3               | 1.98            | 100.1 |
| 1068     | 1/2/2012 12:45:49 | 9.65   | 48.16           | 31.19        | 9.32            |    | 3.2               | 1.94            | 100.0 |
| 1069     | 1/2/2012 13:00:49 | 9.68   | 48.16           | 31.19        | 9.29            |    | 3.2               | 1.92            | 99.7  |
| 1070     | 1/2/2012 13:15:49 | 9.64   | 48.26           | 31.27        | 9.18            |    | 3.6               | 1.92            | 98.6  |
| 1071     | 1/2/2012 13:30:49 | 9.62   | 48.33           | 31.31        | 9.11            |    | 3.4               | 1.93            | 97.8  |
| 1072     | 1/2/2012 13:45:49 | 9.66   | 48.35           | 31.33        | 9.12            |    | 3.4               | 1.94            | 98.0  |
| 1073     | 1/2/2012 14:00:49 | 9.60   | 48.31           | 31.30        | 9.05            |    | 3.3               | 1.97            | 97.1  |
| 1074     | 1/2/2012 14:15:49 | 9.64   | 48.35           | 31.33        | 8.99            |    | 3.6               | 2.01            | 96.6  |
| 1075     | 1/2/2012 14:30:49 | 9.63   | 48.01           | 31.08        | 8.99            |    | 4.0               | 2.04            | 96.4  |
| 1076     | 1/2/2012 14:45:49 | 9.61   | 48.12           | 31.16        | 8.97            |    | 3.9               | 2.10            | 96.1  |
| 1077     | 1/2/2012 15:00:49 | 9.56   | 47.96           | 31.04        | 8.93            |    | 3.9               | 2.14            | 95.6  |
| 1078     | 1/2/2012 15:15:49 | 9.55   | 47.93           | 31.02        | 8.92            |    | 4.0               | 2.19            | 95.4  |
| 1079     | 1/2/2012 15:30:49 | 9.55   | 48.09           | 31.13        | 8.90            |    | 3.6               | 2.24            | 95.2  |
| 1080     | 1/2/2012 15:45:49 | 9.55   | 48.05           | 31.11        | 8.89            |    | 3.6               | 2.28            | 95.2  |
| 1081     | 1/2/2012 16:00:49 | 9.54   | 48.06           | 31.11        | 8.87            |    | 3.5               | 2.33            | 94.9  |
| 1082     | 1/2/2012 16:15:49 | 9.52   | 48.28           | 31.27        | 8.82            |    | 3.7               | 2.38            | 94.4  |
| 1083     | 1/2/2012 16:30:49 | 9.53   | 48.32           | 31.30        | 8.74            |    | 3.7               | 2.43            | 93.5  |
| 1084     | 1/2/2012 16:45:49 | 9.54   | 48.59           | 31.49        | 8.69            |    | 4.1               | 2.46            | 93.2  |
| 1085     | 1/2/2012 17:00:49 | 9.57   | 48.70           | 31.57        | 8.67            |    | 3.5               | 2.50            | 93.1  |
| 1086     | 1/2/2012 17:15:49 | 9.61   | 48.89           | 31.71        | 8.66            |    | 3.8               | 2.54            | 93.1  |
| 1087     | 1/2/2012 17:30:49 | 9.64   | 48.98           | 31.78        | 8.68            |    | 3.5               | 2.58            | 93.5  |
| 1088     | 1/2/2012 17:45:49 | 9.66   | 49.01           | 31.80        | 8.69            |    | 3.5               | 2.62            | 93.6  |
| 1089     | 1/2/2012 18:00:49 | 9.65   | 49.05           | 31.83        | 8.70            |    | 3.6               | 2.65            | 93.7  |
| 1090     | 1/2/2012 18:15:49 | 9.63   | 49.12           | 31.88        | 8.70            |    | 3.5               | 2.69            | 93.8  |
| 1091     | 1/2/2012 18:30:49 | 9.63   | 48.97           | 31.77        | 8.70            |    | 3.5               | 2.72            | 93.7  |
| 1092     | 1/2/2012 18:45:49 | 9.63   | 49.05           | 31.83        | 8.70            |    | 3.5               | 2.75            | 93.7  |
| 1093     | 1/2/2012 19:00:49 | 9.63   | 49.16           | 31.91        | 8.69            |    | 3.4               | 2.77            | 93.7  |
| 1094     | 1/2/2012 19:15:49 | 9.64   | 49.03           | 31.81        | 8.67            |    | 3.2               | 2.77            | 93.4  |
| 1095     | 1/2/2012 19:30:49 | 9.63   | 49.13           | 31.89        | 8.62            |    | 3.1               | 2.80            | 92.9  |
| 1096     | 1/2/2012 19:45:49 | 9.63   | 49.12           | 31.88        | 8.60            |    | 3.0               | 2.82            | 92.6  |
| 1097     | 1/2/2012 20:00:49 | 9.64   | 48.99           | 31.79        | 8.59            |    | 3.1               | 2.80            | 92.5  |
| 1098     | 1/2/2012 20:15:49 | 9.64   | 49.13           | 31.89        | 8.61            |    | 3.3               | 2.78            | 92.8  |
| 1099     | 1/2/2012 20:30:49 | 9.64   | 49.13           | 31.89        | 8.62            |    | 3.4               | 2.78            | 92.9  |
| 1100     | 1/2/2012 20:45:49 | 9.63   | 49.10           | 31.87        | 8.58            |    | 3.2               | 2.74            | 92.4  |
| 1101     | 1/2/2012 21:00:49 | 9.59   | 48.91           | 31.73        | 8.61            |    | 3.4               | 2.68            | 92.6  |
| 1102     | 1/2/2012 21:15:49 | 9.59   | 48.74           | 31.60        | 8.63            |    | 3.4               | 2.64            | 92.7  |
| 1103     | 1/2/2012 21:30:49 | 9.62   | 48.74           | 31.60        | 8.63            |    | 3.5               | 2.63            | 92.8  |
| 1104     | 1/2/2012 21:45:49 | 9.65   | 48.40           | 31.37        | 8.68            |    | 3.6               | 2.59            | 93.2  |
| 1105     | 1/2/2012 22:00:49 | 9.63   | 48.28           | 31.27        | 8.70            |    | 3.7               | 2.52            | 93.4  |
| 1106     | 1/2/2012 22:15:49 | 9.62   | 48.23           | 31.24        | 8.69            |    | 3.8               | 2.49            | 93.2  |
| 1107     | 1/2/2012 22:30:49 | 9.55   | 48.21           | 31.22        | 8.69            |    | 3.4               | 2.47            | 93.1  |
| 1108     | 1/2/2012 22:45:49 | 9.58   | 48.20           | 31.21        | 8.71            |    | 3.6               | 2.42            | 93.4  |
| 1109     | 1/2/2012 23:00:49 | 9.58   | 48.10           | 31.14        | 8.66            |    | 3.7               | 2.40            | 92.8  |
| 1110     | 1/2/2012 23:15:49 | 9.54   | 48.10           | 31.14        | 8.67            |    | 3.6               | 2.36            | 92.7  |
| 1111     | 1/2/2012 23:30:49 | 9.58   | 48.30           | 31.29        | 8.62            |    | 3.3               | 2.37            | 92.5  |
| 1112     | 1/2/2012 23:45:49 | 9.62   | 48.34           | 31.32        | 8.59            |    | 3.7               | 2.35            | 92.2  |



sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 1113     | 1/3/2012 00:00:49 | 9.62   | 48.56           | 31.48        | 8.62            |    | 3.4               | 2.36            | 92.6  |
| 1114     | 1/3/2012 00:15:49 | 9.45   | 48.05           | 31.10        | 8.65            |    | 3.5               | 2.36            | 92.3  |
| 1115     | 1/3/2012 00:30:49 | 9.45   | 48.06           | 31.11        | 8.70            |    | 3.6               | 2.39            | 92.9  |
| 1116     | 1/3/2012 00:45:49 | 9.55   | 48.29           | 31.28        | 8.61            |    | 3.8               | 2.43            | 92.2  |
| 1117     | 1/3/2012 01:00:49 | 9.60   | 48.48           | 31.42        | 8.61            |    | 3.6               | 2.42            | 92.4  |
| 1118     | 1/3/2012 01:15:49 | 9.57   | 48.55           | 31.46        | 8.60            |    | 3.7               | 2.44            | 92.3  |
| 1119     | 1/3/2012 01:30:49 | 9.57   | 48.52           | 31.44        | 8.61            |    | 3.4               | 2.48            | 92.3  |
| 1120     | 1/3/2012 01:45:49 | 9.44   | 48.25           | 31.24        | 8.66            |    | 3.4               | 2.52            | 92.6  |
| 1121     | 1/3/2012 02:00:49 | 9.47   | 48.27           | 31.26        | 8.66            |    | 3.2               | 2.56            | 92.6  |
| 1122     | 1/3/2012 02:15:49 | 9.58   | 48.65           | 31.54        | 8.60            |    | 3.3               | 2.61            | 92.4  |
| 1123     | 1/3/2012 02:30:49 | 9.60   | 48.85           | 31.68        | 8.58            |    | 3.2               | 2.66            | 92.3  |
| 1124     | 1/3/2012 02:45:49 | 9.58   | 48.90           | 31.72        | 8.56            |    | 3.6               | 2.71            | 92.0  |
| 1125     | 1/3/2012 03:00:49 | 9.58   | 48.92           | 31.73        | 8.56            |    | 3.4               | 2.74            | 92.0  |
| 1126     | 1/3/2012 03:15:49 | 9.60   | 48.93           | 31.74        | 8.57            |    | 3.2               | 2.81            | 92.2  |
| 1127     | 1/3/2012 03:30:49 | 9.64   | 49.12           | 31.88        | 8.58            |    | 3.5               | 2.86            | 92.4  |
| 1128     | 1/3/2012 03:45:49 | 9.64   | 49.27           | 31.99        | 8.59            |    | 3.4               | 2.93            | 92.6  |
| 1129     | 1/3/2012 04:00:49 | 9.68   | 49.33           | 32.04        | 8.59            |    | 3.5               | 2.99            | 92.8  |
| 1130     | 1/3/2012 04:15:49 | 9.69   | 49.43           | 32.11        | 8.60            |    | 3.6               | 3.07            | 92.9  |
| 1131     | 1/3/2012 04:30:49 | 9.68   | 49.37           | 32.07        | 8.61            |    | 3.7               | 3.10            | 92.9  |
| 1132     | 1/3/2012 04:45:49 | 9.73   | 49.56           | 32.20        | 8.61            |    | 3.4               | 3.20            | 93.2  |
| 1133     | 1/3/2012 05:00:49 | 9.75   | 49.58           | 32.22        | 8.63            |    | 3.7               | 3.24            | 93.4  |
| 1134     | 1/3/2012 05:15:49 | 9.81   | 49.72           | 32.32        | 8.66            |    | 3.5               | 3.32            | 94.0  |
| 1135     | 1/3/2012 05:30:49 | 9.86   | 49.78           | 32.37        | 8.69            |    | 4.0               | 3.39            | 94.4  |
| 1136     | 1/3/2012 05:45:49 | 9.89   | 49.93           | 32.48        | 8.71            |    | 3.7               | 3.43            | 94.8  |
| 1137     | 1/3/2012 06:00:49 | 9.88   | 49.92           | 32.48        | 8.71            |    | 3.7               | 3.48            | 94.7  |
| 1138     | 1/3/2012 06:15:49 | 9.87   | 50.00           | 32.53        | 8.72            |    | 3.4               | 3.50            | 94.8  |
| 1139     | 1/3/2012 06:30:49 | 9.86   | 49.80           | 32.38        | 8.70            |    | 3.4               | 3.55            | 94.5  |
| 1140     | 1/3/2012 06:45:49 | 9.87   | 50.02           | 32.55        | 8.70            |    | 3.4               | 3.56            | 94.6  |
| 1141     | 1/3/2012 07:00:49 | 9.85   | 49.97           | 32.51        | 8.66            |    | 2.9               | 3.58            | 94.1  |
| 1142     | 1/3/2012 07:15:49 | 9.86   | 49.99           | 32.52        | 8.62            |    | 3.1               | 3.58            | 93.8  |
| 1143     | 1/3/2012 07:30:49 | 9.86   | 50.07           | 32.58        | 8.65            |    | 3.2               | 3.56            | 94.1  |
| 1144     | 1/3/2012 07:45:49 | 9.85   | 50.04           | 32.56        | 8.66            |    | 4.4               | 3.53            | 94.1  |
| 1145     | 1/3/2012 08:00:49 | 9.81   | 49.89           | 32.45        | 8.63            |    | 3.5               | 3.50            | 93.7  |
| 1146     | 1/3/2012 08:15:49 | 9.50   | 49.51           | 32.15        | 8.46            |    | 3.7               | 3.43            | 91.1  |
| 1147     | 1/3/2012 08:30:49 | 9.49   | 49.27           | 31.98        | 8.42            |    | 3.3               | 3.38            | 90.5  |
| 1148     | 1/3/2012 08:45:49 | 9.51   | 49.38           | 32.06        | 8.47            |    | 3.3               | 3.32            | 91.2  |
| 1149     | 1/3/2012 09:00:49 | 9.54   | 49.38           | 32.07        | 8.50            |    | 3.0               | 3.27            | 91.5  |
| 1150     | 1/3/2012 09:15:49 | 9.55   | 49.36           | 32.05        | 8.50            |    | 3.7               | 3.18            | 91.5  |
| 1151     | 1/3/2012 09:30:49 | 9.55   | 49.36           | 32.05        | 8.51            |    | 3.6               | 3.11            | 91.6  |
| 1152     | 1/3/2012 09:45:49 | 9.52   | 49.29           | 32.00        | 8.48            |    | 4.0               | 3.03            | 91.2  |
| 1153     | 1/3/2012 10:00:49 | 9.49   | 49.14           | 31.89        | 8.49            |    | 3.5               | 2.95            | 91.2  |
| 1154     | 1/3/2012 10:15:49 | 9.51   | 49.10           | 31.86        | 8.54            |    | 3.2               | 2.85            | 91.8  |
| 1155     | 1/3/2012 10:30:49 | 9.54   | 49.03           | 31.81        | 8.59            |    | 3.5               | 2.76            | 92.4  |
| 1156     | 1/3/2012 10:45:49 | 9.61   | 49.08           | 31.85        | 8.69            |    | 3.2               | 2.68            | 93.6  |
| 1157     | 1/3/2012 11:00:49 | 9.48   | 48.62           | 31.51        | 8.72            |    | 4.9               | 2.57            | 93.3  |
| 1158     | 1/3/2012 11:15:49 | 9.68   | 48.70           | 31.58        | 8.85            |    | 3.2               | 2.50            | 95.3  |
| 1159     | 1/3/2012 11:30:49 | 9.57   | 48.53           | 31.45        | 8.85            |    | 3.4               | 2.42            | 94.9  |
| 1160     | 1/3/2012 11:45:49 | 9.84   | 48.64           | 31.55        | 9.06            |    | 3.4               | 2.32            | 97.9  |
| 1161     | 1/3/2012 12:00:49 | 9.86   | 48.49           | 31.44        | 9.15            |    | 3.2               | 2.22            | 98.7  |
| 1162     | 1/3/2012 12:15:49 | 9.92   | 48.38           | 31.37        | 9.24            |    | 3.1               | 2.16            | 99.8  |
| 1163     | 1/3/2012 12:30:49 | 10.09  | 48.44           | 31.42        | 9.49            |    | 3.1               | 2.04            | 103.0 |
| 1164     | 1/3/2012 12:45:49 | 9.89   | 48.21           | 31.24        | 9.37            |    | 3.1               | 1.99            | 101.1 |
| 1165     | 1/3/2012 13:00:49 | 10.11  | 48.16           | 31.22        | 9.58            |    | 3.2               | 1.91            | 103.9 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 1166     | 1/3/2012 13:15:49 | 10.08  | 48.30           | 31.32        | 9.59            |    | 3.3               | 1.86            | 104.0 |
| 1167     | 1/3/2012 13:30:49 | 10.14  | 48.18           | 31.24        | 9.66            |    | 3.2               | 1.83            | 104.8 |
| 1168     | 1/3/2012 13:45:49 | 10.04  | 48.21           | 31.25        | 9.55            |    | 3.1               | 1.79            | 103.4 |
| 1169     | 1/3/2012 14:00:49 | 10.26  | 48.16           | 31.23        | 9.62            |    | 3.4               | 1.77            | 104.6 |
| 1170     | 1/3/2012 14:15:49 | 9.78   | 48.28           | 31.29        | 9.29            |    | 2.8               | 1.77            | 100.0 |
| 1171     | 1/3/2012 14:30:49 | 9.75   | 48.25           | 31.26        | 9.16            |    | 3.0               | 1.78            | 98.5  |
| 1172     | 1/3/2012 14:45:49 | 9.81   | 48.25           | 31.27        | 9.17            |    | 2.9               | 1.79            | 98.8  |
| 1173     | 1/3/2012 15:00:49 | 9.79   | 48.18           | 31.22        | 9.13            |    | 3.0               | 1.84            | 98.3  |
| 1174     | 1/3/2012 15:15:49 | 9.84   | 48.16           | 31.20        | 9.11            |    | 3.2               | 1.88            | 98.2  |
| 1175     | 1/3/2012 15:30:49 | 9.84   | 48.03           | 31.11        | 9.07            |    | 3.5               | 1.93            | 97.7  |
| 1176     | 1/3/2012 15:45:49 | 9.84   | 47.65           | 30.84        | 9.01            |    | 4.3               | 1.97            | 96.8  |
| 1177     | 1/3/2012 16:00:49 | 9.77   | 47.56           | 30.77        | 8.94            |    | 4.3               | 2.04            | 95.9  |
| 1178     | 1/3/2012 16:15:49 | 9.69   | 47.57           | 30.77        | 8.88            |    | 4.1               | 2.09            | 95.1  |
| 1179     | 1/3/2012 16:30:49 | 9.70   | 47.78           | 30.92        | 8.86            |    | 4.0               | 2.15            | 95.0  |
| 1180     | 1/3/2012 16:45:49 | 9.72   | 47.77           | 30.91        | 8.85            |    | 4.1               | 2.19            | 95.0  |
| 1181     | 1/3/2012 17:00:49 | 9.69   | 47.66           | 30.83        | 8.82            |    | 3.9               | 2.24            | 94.5  |
| 1182     | 1/3/2012 17:15:49 | 9.65   | 47.88           | 30.99        | 8.78            |    | 3.6               | 2.31            | 94.1  |
| 1183     | 1/3/2012 17:30:49 | 9.62   | 48.04           | 31.10        | 8.68            |    | 3.6               | 2.35            | 93.0  |
| 1184     | 1/3/2012 17:45:49 | 9.64   | 48.17           | 31.20        | 8.67            |    | 3.5               | 2.39            | 93.0  |
| 1185     | 1/3/2012 18:00:49 | 9.66   | 48.19           | 31.21        | 8.63            |    | 3.7               | 2.45            | 92.6  |
| 1186     | 1/3/2012 18:15:49 | 9.64   | 48.64           | 31.53        | 8.57            |    | 3.5               | 2.49            | 92.1  |
| 1187     | 1/3/2012 18:30:49 | 9.63   | 48.69           | 31.57        | 8.53            |    | 3.7               | 2.55            | 91.8  |
| 1188     | 1/3/2012 18:45:49 | 9.61   | 48.79           | 31.64        | 8.51            |    | 3.5               | 2.59            | 91.5  |
| 1189     | 1/3/2012 19:00:49 | 9.60   | 48.84           | 31.67        | 8.52            |    | 3.2               | 2.63            | 91.6  |
| 1190     | 1/3/2012 19:15:49 | 9.60   | 48.86           | 31.69        | 8.52            |    | 3.1               | 2.68            | 91.6  |
| 1191     | 1/3/2012 19:30:49 | 9.59   | 48.91           | 31.72        | 8.51            |    | 3.2               | 2.72            | 91.5  |
| 1192     | 1/3/2012 19:45:49 | 9.59   | 48.83           | 31.67        | 8.50            |    | 3.2               | 2.76            | 91.4  |
| 1193     | 1/3/2012 20:00:49 | 9.59   | 48.92           | 31.74        | 8.49            |    | 3.2               | 2.79            | 91.3  |
| 1194     | 1/3/2012 20:15:49 | 9.60   | 48.93           | 31.74        | 8.48            |    | 3.2               | 2.82            | 91.2  |
| 1195     | 1/3/2012 20:30:49 | 9.60   | 48.97           | 31.77        | 8.46            |    | 3.2               | 2.85            | 91.1  |
| 1196     | 1/3/2012 20:45:49 | 9.59   | 49.01           | 31.80        | 8.45            |    | 3.1               | 2.85            | 90.9  |
| 1197     | 1/3/2012 21:00:49 | 9.60   | 48.94           | 31.75        | 8.40            |    | 3.0               | 2.84            | 90.3  |
| 1198     | 1/3/2012 21:15:49 | 9.60   | 48.99           | 31.78        | 8.41            |    | 2.8               | 2.88            | 90.5  |
| 1199     | 1/3/2012 21:30:49 | 9.60   | 49.02           | 31.80        | 8.35            |    | 2.9               | 2.86            | 89.9  |
| 1200     | 1/3/2012 21:45:49 | 9.61   | 48.97           | 31.77        | 8.38            |    | 2.8               | 2.82            | 90.2  |
| 1201     | 1/3/2012 22:00:49 | 9.60   | 48.96           | 31.76        | 8.39            |    | 3.1               | 2.80            | 90.2  |
| 1202     | 1/3/2012 22:15:49 | 9.59   | 48.95           | 31.75        | 8.36            |    | 3.2               | 2.78            | 89.9  |
| 1203     | 1/3/2012 22:30:49 | 9.55   | 48.85           | 31.68        | 8.36            |    | 3.4               | 2.74            | 89.8  |
| 1204     | 1/3/2012 22:45:49 | 9.51   | 48.45           | 31.39        | 8.45            |    | 3.2               | 2.69            | 90.5  |
| 1205     | 1/3/2012 23:00:49 | 9.56   | 48.71           | 31.58        | 8.45            |    | 3.4               | 2.67            | 90.7  |
| 1206     | 1/3/2012 23:15:49 | 9.55   | 48.69           | 31.56        | 8.45            |    | 3.0               | 2.62            | 90.6  |
| 1207     | 1/3/2012 23:30:49 | 9.55   | 48.64           | 31.53        | 8.44            |    | 3.4               | 2.59            | 90.5  |
| 1208     | 1/3/2012 23:45:49 | 9.55   | 48.60           | 31.50        | 8.46            |    | 2.9               | 2.55            | 90.8  |
| 1209     | 1/4/2012 00:00:49 | 9.50   | 48.45           | 31.39        | 8.46            |    | 3.5               | 2.52            | 90.6  |
| 1210     | 1/4/2012 00:15:49 | 9.41   | 48.33           | 31.30        | 8.46            |    | 3.6               | 2.50            | 90.3  |
| 1211     | 1/4/2012 00:30:49 | 9.36   | 48.21           | 31.20        | 8.46            |    | 3.5               | 2.48            | 90.2  |
| 1212     | 1/4/2012 00:45:49 | 9.34   | 48.24           | 31.23        | 8.40            |    | 3.3               | 2.46            | 89.5  |
| 1213     | 1/4/2012 01:00:49 | 9.42   | 48.32           | 31.29        | 8.36            |    | 3.4               | 2.44            | 89.3  |
| 1214     | 1/4/2012 01:15:49 | 9.43   | 48.30           | 31.27        | 8.39            |    | 3.9               | 2.45            | 89.7  |
| 1215     | 1/4/2012 01:30:49 | 9.31   | 48.29           | 31.26        | 8.42            |    | 3.3               | 2.46            | 89.8  |
| 1216     | 1/4/2012 01:45:49 | 9.34   | 48.16           | 31.17        | 8.52            |    | 3.3               | 2.47            | 90.8  |
| 1217     | 1/4/2012 02:00:49 | 9.44   | 48.41           | 31.35        | 8.41            |    | 3.5               | 2.50            | 90.0  |
| 1218     | 1/4/2012 02:15:49 | 9.53   | 48.53           | 31.45        | 8.47            |    | 3.2               | 2.53            | 90.8  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%   |
|----------|-------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|-------|
| 1219     | 1/4/2012 02:30:49 | 9.53   | 48.59           | 31.49        | 8.44            |    | 3.4               | 2.57            | 90.5  |
| 1220     | 1/4/2012 02:45:49 | 9.41   | 48.54           | 31.45        | 8.46            |    | 3.9               | 2.61            | 90.5  |
| 1221     | 1/4/2012 03:00:49 | 9.45   | 48.50           | 31.42        | 8.47            |    | 3.3               | 2.67            | 90.6  |
| 1222     | 1/4/2012 03:15:49 | 9.51   | 48.67           | 31.55        | 8.40            |    | 3.3               | 2.73            | 90.1  |
| 1223     | 1/4/2012 03:30:49 | 9.45   | 48.85           | 31.68        | 8.39            |    | 3.4               | 2.78            | 89.9  |
| 1224     | 1/4/2012 03:45:49 | 9.50   | 48.88           | 31.70        | 8.37            |    | 3.3               | 2.84            | 89.8  |
| 1225     | 1/4/2012 04:00:49 | 9.56   | 48.88           | 31.70        | 8.37            |    | 3.6               | 2.89            | 90.0  |
| 1226     | 1/4/2012 04:15:49 | 9.61   | 49.15           | 31.90        | 8.38            |    | 3.1               | 2.96            | 90.3  |
| 1227     | 1/4/2012 04:30:49 | 9.68   | 49.33           | 32.04        | 8.42            |    | 3.1               | 3.02            | 90.9  |
| 1228     | 1/4/2012 04:45:49 | 9.69   | 49.39           | 32.08        | 8.43            |    | 2.9               | 3.08            | 91.0  |
| 1229     | 1/4/2012 05:00:49 | 9.70   | 49.48           | 32.15        | 8.43            |    | 3.1               | 3.14            | 91.2  |
| 1230     | 1/4/2012 05:15:49 | 9.73   | 49.46           | 32.13        | 8.45            |    | 2.9               | 3.20            | 91.4  |
| 1231     | 1/4/2012 05:30:49 | 9.76   | 49.57           | 32.22        | 8.48            |    | 3.1               | 3.27            | 91.8  |
| 1232     | 1/4/2012 05:45:49 | 9.78   | 49.66           | 32.28        | 8.52            |    | 3.2               | 3.32            | 92.3  |
| 1233     | 1/4/2012 06:00:49 | 9.82   | 49.73           | 32.33        | 8.55            |    | 3.4               | 3.38            | 92.7  |
| 1234     | 1/4/2012 06:15:49 | 9.85   | 49.81           | 32.39        | 8.60            |    | 3.7               | 3.44            | 93.4  |
| 1235     | 1/4/2012 06:30:49 | 9.85   | 49.96           | 32.50        | 8.61            |    | 3.6               | 3.50            | 93.6  |
| 1236     | 1/4/2012 06:45:49 | 9.86   | 49.96           | 32.50        | 8.62            |    | 3.6               | 3.53            | 93.7  |
| 1237     | 1/4/2012 07:00:49 | 9.89   | 50.10           | 32.61        | 8.64            |    | 3.8               | 3.57            | 94.1  |
| 1238     | 1/4/2012 07:15:49 | 9.90   | 50.13           | 32.63        | 8.65            |    | 3.4               | 3.62            | 94.2  |
| 1239     | 1/4/2012 07:30:49 | 9.93   | 50.14           | 32.64        | 8.67            |    | 3.7               | 3.63            | 94.4  |
| 1240     | 1/4/2012 07:45:49 | 9.82   | 49.88           | 32.44        | 8.51            |    | 3.1               | 3.66            | 92.4  |
| 1241     | 1/4/2012 08:00:49 | 9.90   | 49.97           | 32.51        | 8.58            |    | 3.1               | 3.67            | 93.4  |
| 1242     | 1/4/2012 08:15:49 | 9.91   | 50.12           | 32.62        | 8.60            |    | 3.7               | 3.63            | 93.7  |
| 1243     | 1/4/2012 08:30:49 | 9.91   | 50.16           | 32.65        | 8.62            |    | 3.1               | 3.62            | 93.9  |
| 1244     | 1/4/2012 08:45:49 | 9.74   | 49.85           | 32.42        | 8.41            |    | 3.8               | 3.57            | 91.1  |
| 1245     | 1/4/2012 09:00:49 | 9.53   | 49.46           | 32.12        | 8.33            |    | 2.9               | 3.52            | 89.7  |
| 1246     | 1/4/2012 09:15:49 | 9.45   | 49.21           | 31.93        | 8.35            |    | 2.9               | 3.45            | 89.6  |
| 1247     | 1/4/2012 09:30:49 | 9.53   | 49.35           | 32.04        | 8.40            |    | 2.9               | 3.38            | 90.4  |
| 1248     | 1/4/2012 09:45:49 | 9.55   | 49.32           | 32.02        | 8.42            |    | 3.0               | 3.29            | 90.6  |
| 1249     | 1/4/2012 10:00:49 | 9.59   | 49.43           | 32.10        | 8.43            |    | 3.6               | 3.21            | 90.9  |
| 1250     | 1/4/2012 10:15:49 | 9.59   | 49.21           | 31.94        | 8.44            |    | 3.5               | 3.14            | 90.9  |
| 1251     | 1/4/2012 10:30:49 | 9.60   | 49.36           | 32.05        | 8.44            |    | 3.3               | 3.05            | 91.0  |
| 1252     | 1/4/2012 10:45:49 | 9.58   | 49.21           | 31.94        | 8.50            |    | 3.4               | 2.96            | 91.5  |
| 1253     | 1/4/2012 11:00:49 | 9.61   | 49.25           | 31.97        | 8.57            |    | 3.5               | 2.86            | 92.4  |
| 1254     | 1/4/2012 11:15:49 | 9.68   | 49.07           | 31.85        | 8.65            |    | 3.4               | 2.76            | 93.2  |
| 1255     | 1/4/2012 11:30:49 | 9.71   | 49.21           | 31.95        | 8.71            |    | 3.5               | 2.68            | 94.0  |
| 1256     | 1/4/2012 11:45:49 | 9.70   | 49.07           | 31.85        | 8.73            |    | 3.5               | 2.56            | 94.2  |
| 1257     | 1/4/2012 12:00:49 | 9.66   | 48.79           | 31.64        | 8.84            |    | 3.4               | 2.46            | 95.1  |
| 1258     | 1/4/2012 12:15:49 | 9.74   | 48.68           | 31.57        | 8.95            |    | 3.9               | 2.35            | 96.4  |
| 1259     | 1/4/2012 12:30:49 | 9.81   | 48.55           | 31.48        | 9.10            |    | 3.6               | 2.24            | 98.1  |
| 1260     | 1/4/2012 12:45:49 | 9.79   | 48.54           | 31.47        | 9.19            |    | 3.6               | 2.14            | 99.1  |
| 1261     | 1/4/2012 13:00:49 | 9.95   | 48.56           | 31.50        | 9.31            |    | 3.2               | 2.03            | 100.7 |
| 1262     | 1/4/2012 13:15:49 | 10.03  | 48.60           | 31.53        | 9.31            |    | 3.3               | 1.94            | 100.9 |
| 1263     | 1/4/2012 13:30:49 | 9.89   | 48.45           | 31.42        | 9.24            |    | 3.4               | 1.85            | 99.8  |
| 1264     | 1/4/2012 13:45:49 | 10.01  | 48.48           | 31.45        | 9.38            |    | 3.4               | 1.77            | 101.6 |
| 1265     | 1/4/2012 14:00:49 | 10.18  | 48.42           | 31.41        | 9.48            |    | 3.7               | 1.69            | 103.1 |
| 1266     | 1/4/2012 14:15:49 | 10.03  | 48.34           | 31.35        | 9.42            |    | 3.4               | 1.64            | 102.1 |
| 1267     | 1/4/2012 14:30:49 | 9.98   | 48.31           | 31.32        | 9.45            |    | 3.5               | 1.63            | 102.2 |
| 1268     | 1/4/2012 14:45:49 | 10.16  | 48.36           | 31.36        | 9.47            |    | 3.5               | 1.59            | 102.8 |
| 1269     | 1/4/2012 15:00:49 | 9.99   | 48.29           | 31.31        | 9.40            |    | 3.2               | 1.60            | 101.7 |
| 1270     | 1/4/2012 15:15:49 | 9.85   | 48.26           | 31.28        | 9.32            |    | 3.4               | 1.62            | 100.5 |
| 1271     | 1/4/2012 15:30:49 | 9.82   | 48.26           | 31.27        | 9.26            |    | 3.7               | 1.64            | 99.8  |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|------|
| 1272     | 1/4/2012 15:45:49 | 9.75   | 48.21           | 31.24        | 9.18            |    | 4.0               | 1.68            | 98.8 |
| 1273     | 1/4/2012 16:00:49 | 9.74   | 47.97           | 31.06        | 9.14            |    | 4.5               | 1.72            | 98.1 |
| 1274     | 1/4/2012 16:15:49 | 9.72   | 47.86           | 30.98        | 9.09            |    | 4.2               | 1.77            | 97.5 |
| 1275     | 1/4/2012 16:30:49 | 9.71   | 47.60           | 30.79        | 9.05            |    | 4.5               | 1.84            | 97.1 |
| 1276     | 1/4/2012 16:45:49 | 9.64   | 47.44           | 30.67        | 8.97            |    | 4.5               | 1.89            | 96.0 |
| 1277     | 1/4/2012 17:00:49 | 9.63   | 47.39           | 30.64        | 8.94            |    | 4.8               | 1.94            | 95.6 |
| 1278     | 1/4/2012 17:15:49 | 9.66   | 47.66           | 30.83        | 8.91            |    | 4.5               | 1.99            | 95.4 |
| 1279     | 1/4/2012 17:30:49 | 9.67   | 47.60           | 30.79        | 8.90            |    | 4.3               | 2.07            | 95.3 |
| 1280     | 1/4/2012 17:45:49 | 9.66   | 47.90           | 31.01        | 8.88            |    | 4.0               | 2.12            | 95.2 |
| 1281     | 1/4/2012 18:00:49 | 9.65   | 48.05           | 31.11        | 8.83            |    | 3.9               | 2.19            | 94.7 |
| 1282     | 1/4/2012 18:15:49 | 9.61   | 48.28           | 31.27        | 8.69            |    | 3.5               | 2.26            | 93.2 |
| 1283     | 1/4/2012 18:30:49 | 9.62   | 48.27           | 31.27        | 8.65            |    | 3.7               | 2.31            | 92.8 |
| 1284     | 1/4/2012 18:45:49 | 9.61   | 48.52           | 31.45        | 8.53            |    | 3.7               | 2.38            | 91.6 |
| 1285     | 1/4/2012 19:00:49 | 9.60   | 48.59           | 31.50        | 8.48            |    | 3.4               | 2.44            | 91.1 |
| 1286     | 1/4/2012 19:15:49 | 9.58   | 48.67           | 31.55        | 8.45            |    | 3.4               | 2.51            | 90.7 |
| 1287     | 1/4/2012 19:30:49 | 9.57   | 48.76           | 31.62        | 8.43            |    | 3.5               | 2.55            | 90.6 |
| 1288     | 1/4/2012 19:45:49 | 9.58   | 48.79           | 31.64        | 8.43            |    | 3.3               | 2.62            | 90.6 |
| 1289     | 1/4/2012 20:00:49 | 9.58   | 48.73           | 31.60        | 8.43            |    | 3.1               | 2.67            | 90.6 |
| 1290     | 1/4/2012 20:15:49 | 9.59   | 48.79           | 31.64        | 8.42            |    | 3.1               | 2.72            | 90.5 |
| 1291     | 1/4/2012 20:30:49 | 9.60   | 48.85           | 31.69        | 8.40            |    | 3.2               | 2.77            | 90.4 |
| 1292     | 1/4/2012 20:45:49 | 9.63   | 48.88           | 31.71        | 8.39            |    | 3.3               | 2.81            | 90.3 |
| 1293     | 1/4/2012 21:00:49 | 9.64   | 48.92           | 31.74        | 8.37            |    | 3.2               | 2.85            | 90.1 |
| 1294     | 1/4/2012 21:15:49 | 9.66   | 48.76           | 31.63        | 8.37            |    | 3.2               | 2.89            | 90.1 |
| 1295     | 1/4/2012 21:30:49 | 9.66   | 49.00           | 31.80        | 8.35            |    | 3.2               | 2.91            | 90.0 |
| 1296     | 1/4/2012 21:45:49 | 9.67   | 49.04           | 31.83        | 8.33            |    | 3.1               | 2.93            | 89.8 |
| 1297     | 1/4/2012 22:00:49 | 9.65   | 48.89           | 31.72        | 8.32            |    | 3.1               | 2.93            | 89.6 |
| 1298     | 1/4/2012 22:15:49 | 9.66   | 48.93           | 31.75        | 8.29            |    | 3.1               | 2.94            | 89.3 |
| 1299     | 1/4/2012 22:30:49 | 9.67   | 49.01           | 31.81        | 8.29            |    | 2.9               | 2.93            | 89.3 |
| 1300     | 1/4/2012 22:45:49 | 9.68   | 49.06           | 31.84        | 8.29            |    | 3.1               | 2.90            | 89.4 |
| 1301     | 1/4/2012 23:00:49 | 9.66   | 48.95           | 31.76        | 8.27            |    | 3.1               | 2.87            | 89.1 |
| 1302     | 1/4/2012 23:15:49 | 9.67   | 48.85           | 31.69        | 8.23            |    | 3.1               | 2.85            | 88.7 |
| 1303     | 1/4/2012 23:30:49 | 9.66   | 48.88           | 31.71        | 8.26            |    | 3.1               | 2.80            | 88.9 |
| 1304     | 1/4/2012 23:45:49 | 9.67   | 48.82           | 31.67        | 8.24            |    | 3.1               | 2.75            | 88.7 |
| 1305     | 1/5/2012 00:00:49 | 9.69   | 48.64           | 31.54        | 8.24            |    | 3.4               | 2.70            | 88.7 |
| 1306     | 1/5/2012 00:15:49 | 9.67   | 48.75           | 31.62        | 8.27            |    | 3.2               | 2.66            | 89.0 |
| 1307     | 1/5/2012 00:30:49 | 9.67   | 48.69           | 31.57        | 8.24            |    | 3.2               | 2.63            | 88.6 |
| 1308     | 1/5/2012 00:45:49 | 9.67   | 48.63           | 31.53        | 8.25            |    | 3.4               | 2.58            | 88.7 |
| 1309     | 1/5/2012 01:00:49 | 9.70   | 48.48           | 31.43        | 8.24            |    | 3.3               | 2.55            | 88.6 |
| 1310     | 1/5/2012 01:15:49 | 9.71   | 48.51           | 31.45        | 8.26            |    | 3.2               | 2.52            | 88.9 |
| 1311     | 1/5/2012 01:30:49 | 9.68   | 48.42           | 31.38        | 8.30            |    | 3.1               | 2.49            | 89.2 |
| 1312     | 1/5/2012 01:45:49 | 9.67   | 48.36           | 31.34        | 8.31            |    | 3.1               | 2.48            | 89.3 |
| 1313     | 1/5/2012 02:00:49 | 9.76   | 48.32           | 31.31        | 8.12            |    | 3.3               | 2.46            | 87.5 |
| 1314     | 1/5/2012 02:15:49 | 9.76   | 48.40           | 31.37        | 8.15            |    | 3.4               | 2.46            | 87.8 |
| 1315     | 1/5/2012 02:30:49 | 9.69   | 48.54           | 31.47        | 8.23            |    | 3.4               | 2.49            | 88.5 |
| 1316     | 1/5/2012 02:45:49 | 9.73   | 48.50           | 31.44        | 8.19            |    | 3.4               | 2.51            | 88.2 |
| 1317     | 1/5/2012 03:00:49 | 9.69   | 48.52           | 31.45        | 8.27            |    | 3.4               | 2.53            | 88.9 |
| 1318     | 1/5/2012 03:15:49 | 9.68   | 48.52           | 31.45        | 8.26            |    | 3.5               | 2.59            | 88.8 |
| 1319     | 1/5/2012 03:30:49 | 9.68   | 48.48           | 31.42        | 8.27            |    | 3.5               | 2.62            | 89.0 |
| 1320     | 1/5/2012 03:45:49 | 9.68   | 48.47           | 31.42        | 8.27            |    | 3.3               | 2.67            | 89.0 |
| 1321     | 1/5/2012 04:00:49 | 9.69   | 48.52           | 31.45        | 8.26            |    | 3.4               | 2.71            | 88.9 |
| 1322     | 1/5/2012 04:15:49 | 9.69   | 48.67           | 31.56        | 8.26            |    | 3.4               | 2.76            | 89.0 |
| 1323     | 1/5/2012 04:30:49 | 9.69   | 48.73           | 31.60        | 8.27            |    | 3.1               | 2.81            | 89.1 |
| 1324     | 1/5/2012 04:45:49 | 9.71   | 48.94           | 31.76        | 8.25            |    | 3.3               | 2.87            | 89.0 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|------|
| 1325     | 1/5/2012 05:00:49 | 9.74   | 49.04           | 31.83        | 8.27            |    | 3.2               | 2.92            | 89.3 |
| 1326     | 1/5/2012 05:15:49 | 9.75   | 49.17           | 31.92        | 8.28            |    | 3.1               | 2.99            | 89.5 |
| 1327     | 1/5/2012 05:30:49 | 9.78   | 49.29           | 32.01        | 8.32            |    | 3.2               | 3.05            | 90.0 |
| 1328     | 1/5/2012 05:45:49 | 9.81   | 49.38           | 32.08        | 8.34            |    | 3.1               | 3.10            | 90.3 |
| 1329     | 1/5/2012 06:00:49 | 9.82   | 49.47           | 32.14        | 8.35            |    | 3.2               | 3.19            | 90.4 |
| 1330     | 1/5/2012 06:15:49 | 9.83   | 49.44           | 32.12        | 8.36            |    | 3.2               | 3.24            | 90.6 |
| 1331     | 1/5/2012 06:30:49 | 9.91   | 49.66           | 32.29        | 8.42            |    | 3.3               | 3.31            | 91.5 |
| 1332     | 1/5/2012 06:45:49 | 9.93   | 49.71           | 32.33        | 8.43            |    | 3.4               | 3.35            | 91.6 |
| 1333     | 1/5/2012 07:00:49 | 9.99   | 49.73           | 32.34        | 8.45            |    | 3.8               | 3.44            | 92.0 |
| 1334     | 1/5/2012 07:15:49 | 10.05  | 49.87           | 32.45        | 8.51            |    | 3.7               | 3.48            | 92.9 |
| 1335     | 1/5/2012 07:30:49 | 10.09  | 50.00           | 32.54        | 8.56            |    | 4.1               | 3.51            | 93.5 |
| 1336     | 1/5/2012 07:45:49 | 10.11  | 49.99           | 32.54        | 8.56            |    | 3.6               | 3.58            | 93.6 |
| 1337     | 1/5/2012 08:00:49 | 10.14  | 50.04           | 32.58        | 8.59            |    | 3.8               | 3.59            | 94.0 |
| 1338     | 1/5/2012 08:15:49 | 10.15  | 50.11           | 32.63        | 8.58            |    | 3.4               | 3.63            | 94.0 |
| 1339     | 1/5/2012 08:30:49 | 10.16  | 50.06           | 32.60        | 8.57            |    | 3.0               | 3.65            | 93.8 |
| 1340     | 1/5/2012 08:45:49 | 10.10  | 50.01           | 32.55        | 8.49            |    | 3.4               | 3.64            | 92.9 |
| 1341     | 1/5/2012 09:00:49 | 10.15  | 50.07           | 32.60        | 8.52            |    | 3.2               | 3.65            | 93.3 |
| 1342     | 1/5/2012 09:15:49 | 10.16  | 50.09           | 32.61        | 8.54            |    | 3.1               | 3.61            | 93.5 |
| 1343     | 1/5/2012 09:30:49 | 10.14  | 50.11           | 32.63        | 8.52            |    | 3.7               | 3.61            | 93.2 |
| 1344     | 1/5/2012 09:45:49 | 9.92   | 49.58           | 32.23        | 8.35            |    | 3.2               | 3.55            | 90.7 |
| 1345     | 1/5/2012 10:00:49 | 9.90   | 49.48           | 32.16        | 8.35            |    | 3.2               | 3.48            | 90.6 |
| 1346     | 1/5/2012 10:15:49 | 9.94   | 49.46           | 32.14        | 8.36            |    | 3.2               | 3.41            | 90.8 |
| 1347     | 1/5/2012 10:30:49 | 9.96   | 49.47           | 32.15        | 8.41            |    | 2.9               | 3.32            | 91.4 |
| 1348     | 1/5/2012 10:45:49 | 9.89   | 49.33           | 32.05        | 8.34            |    | 3.9               | 3.23            | 90.5 |
| 1349     | 1/5/2012 11:00:49 | 9.89   | 49.30           | 32.03        | 8.31            |    | 3.9               | 3.12            | 90.2 |
| 1350     | 1/5/2012 11:15:49 | 9.89   | 49.15           | 31.92        | 8.34            |    | 3.6               | 3.02            | 90.4 |
| 1351     | 1/5/2012 11:30:49 | 9.88   | 49.18           | 31.94        | 8.38            |    | 4.5               | 2.92            | 90.8 |
| 1352     | 1/5/2012 11:45:49 | 9.92   | 49.20           | 31.96        | 8.39            |    | 3.5               | 2.84            | 91.0 |
| 1353     | 1/5/2012 12:00:49 | 9.97   | 49.10           | 31.89        | 8.52            |    | 3.6               | 2.71            | 92.5 |
| 1354     | 1/5/2012 12:15:49 | 9.95   | 49.02           | 31.83        | 8.58            |    | 4.2               | 2.61            | 93.0 |
| 1355     | 1/5/2012 12:30:49 | 10.08  | 49.15           | 31.94        | 8.67            |    | 4.3               | 2.49            | 94.4 |
| 1356     | 1/5/2012 12:45:49 | 10.09  | 48.98           | 31.81        | 8.64            |    | 5.4               | 2.37            | 94.0 |
| 1357     | 1/5/2012 13:00:49 | 10.11  | 48.82           | 31.70        | 8.72            |    | 6.2               | 2.25            | 94.8 |
| 1358     | 1/5/2012 13:15:49 | 10.19  | 48.81           | 31.70        | 8.66            |    | 6.2               | 2.15            | 94.4 |
| 1359     | 1/5/2012 13:30:49 | 10.12  | 48.66           | 31.58        | 8.69            |    | 7.3               | 2.02            | 94.4 |
| 1360     | 1/5/2012 13:45:49 | 10.12  | 48.53           | 31.48        | 8.69            |    | 7.9               | 1.92            | 94.4 |
| 1361     | 1/5/2012 14:00:49 | 10.14  | 48.54           | 31.50        | 8.67            |    | 8.4               | 1.79            | 94.3 |
| 1362     | 1/5/2012 14:15:49 | 10.17  | 48.53           | 31.49        | 8.68            |    | 9.2               | 1.73            | 94.4 |
| 1363     | 1/5/2012 14:30:49 | 10.11  | 48.42           | 31.41        | 8.63            |    | 8.8               | 1.61            | 93.7 |
| 1364     | 1/5/2012 14:45:49 | 10.13  | 48.46           | 31.44        | 8.64            |    | 9.3               | 1.52            | 93.8 |
| 1365     | 1/5/2012 15:00:49 | 10.13  | 48.37           | 31.37        | 8.63            |    | 9.4               | 1.46            | 93.6 |
| 1366     | 1/5/2012 15:15:49 | 10.13  | 48.45           | 31.43        | 8.59            |    | 8.7               | 1.42            | 93.3 |
| 1367     | 1/5/2012 15:30:49 | 10.15  | 48.36           | 31.37        | 8.61            |    | 8.5               | 1.44            | 93.5 |
| 1368     | 1/5/2012 15:45:49 | 10.21  | 48.47           | 31.45        | 8.66            |    | 8.4               | 1.45            | 94.2 |
| 1369     | 1/5/2012 16:00:49 | 10.18  | 48.45           | 31.43        | 8.69            |    | 7.9               | 1.45            | 94.4 |
| 1370     | 1/5/2012 16:15:49 | 10.35  | 47.99           | 31.11        | 8.90            |    | 11.2              | 1.48            | 97.0 |
| 1371     | 1/5/2012 16:30:49 | 10.34  | 47.94           | 31.08        | 8.90            |    | 10.5              | 1.53            | 96.9 |
| 1372     | 1/5/2012 16:45:49 | 10.24  | 48.08           | 31.17        | 8.82            |    | 8.5               | 1.61            | 95.9 |
| 1373     | 1/5/2012 17:00:49 | 10.22  | 48.10           | 31.18        | 8.78            |    | 7.8               | 1.67            | 95.4 |
| 1374     | 1/5/2012 17:15:49 | 10.20  | 48.17           | 31.23        | 8.72            |    | 6.7               | 1.72            | 94.7 |
| 1375     | 1/5/2012 17:30:49 | 10.20  | 47.76           | 30.94        | 8.68            |    | 6.9               | 1.77            | 94.1 |
| 1376     | 1/5/2012 17:45:49 | 10.20  | 47.76           | 30.94        | 8.65            |    | 6.4               | 1.82            | 93.8 |
| 1377     | 1/5/2012 18:00:49 | 10.19  | 47.83           | 30.99        | 8.64            |    | 6.1               | 1.90            | 93.7 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%  |
|----------|-------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|------|
| 1378     | 1/5/2012 18:15:49 | 10.18  | 47.80           | 30.97        | 8.60            |    | 6.0               | 1.95            | 93.2 |
| 1379     | 1/5/2012 18:30:49 | 10.17  | 47.79           | 30.96        | 8.60            |    | 5.7               | 2.00            | 93.2 |
| 1380     | 1/5/2012 18:45:49 | 10.17  | 47.90           | 31.04        | 8.59            |    | 5.4               | 2.07            | 93.1 |
| 1381     | 1/5/2012 19:00:49 | 10.15  | 47.76           | 30.93        | 8.54            |    | 5.9               | 2.18            | 92.5 |
| 1382     | 1/5/2012 19:15:49 | 10.12  | 47.88           | 31.02        | 8.48            |    | 6.2               | 2.23            | 91.9 |
| 1383     | 1/5/2012 19:30:49 | 10.06  | 47.73           | 30.91        | 8.44            |    | 6.2               | 2.29            | 91.3 |
| 1384     | 1/5/2012 19:45:49 | 9.98   | 48.45           | 31.42        | 8.32            |    | 4.4               | 2.38            | 90.1 |
| 1385     | 1/5/2012 20:00:49 | 9.94   | 48.53           | 31.48        | 8.30            |    | 4.8               | 2.45            | 89.9 |
| 1386     | 1/5/2012 20:15:49 | 9.93   | 48.45           | 31.42        | 8.31            |    | 4.5               | 2.52            | 89.8 |
| 1387     | 1/5/2012 20:30:49 | 9.91   | 48.64           | 31.55        | 8.31            |    | 4.6               | 2.61            | 89.9 |
| 1388     | 1/5/2012 20:45:49 | 9.91   | 48.55           | 31.49        | 8.32            |    | 4.6               | 2.68            | 89.9 |
| 1389     | 1/5/2012 21:00:49 | 9.90   | 48.83           | 31.69        | 8.30            |    | 4.8               | 2.73            | 89.8 |
| 1390     | 1/5/2012 21:15:49 | 9.90   | 48.87           | 31.72        | 8.29            |    | 4.6               | 2.77            | 89.8 |
| 1391     | 1/5/2012 21:30:49 | 9.91   | 49.00           | 31.81        | 8.27            |    | 4.3               | 2.83            | 89.6 |
| 1392     | 1/5/2012 21:45:49 | 9.91   | 48.96           | 31.78        | 8.26            |    | 4.0               | 2.88            | 89.5 |
| 1393     | 1/5/2012 22:00:49 | 9.94   | 49.04           | 31.84        | 8.25            |    | 4.2               | 2.91            | 89.5 |
| 1394     | 1/5/2012 22:15:49 | 9.95   | 49.07           | 31.87        | 8.27            |    | 3.9               | 2.95            | 89.7 |
| 1395     | 1/5/2012 22:30:49 | 9.96   | 49.08           | 31.87        | 8.27            |    | 3.8               | 2.98            | 89.7 |
| 1396     | 1/5/2012 22:45:49 | 9.93   | 48.97           | 31.79        | 8.21            |    | 3.7               | 3.00            | 88.9 |
| 1397     | 1/5/2012 23:00:49 | 9.93   | 48.91           | 31.75        | 8.17            |    | 3.6               | 3.00            | 88.5 |
| 1398     | 1/5/2012 23:15:49 | 9.94   | 49.01           | 31.82        | 8.19            |    | 3.5               | 3.00            | 88.9 |
| 1399     | 1/5/2012 23:30:49 | 9.96   | 48.98           | 31.80        | 8.22            |    | 3.9               | 2.97            | 89.1 |
| 1400     | 1/5/2012 23:45:49 | 9.92   | 48.91           | 31.75        | 8.19            |    | 5.3               | 2.92            | 88.7 |
| 1401     | 1/6/2012 00:00:49 | 9.79   | 48.36           | 31.34        | 8.12            |    | 4.2               | 2.91            | 87.5 |
| 1402     | 1/6/2012 00:15:49 | 9.80   | 48.51           | 31.46        | 8.10            |    | 4.0               | 2.82            | 87.4 |
| 1403     | 1/6/2012 00:30:49 | 9.80   | 48.51           | 31.45        | 8.08            |    | 4.9               | 2.80            | 87.1 |
| 1404     | 1/6/2012 00:45:49 | 9.83   | 48.68           | 31.58        | 8.14            |    | 4.9               | 2.74            | 87.9 |
| 1405     | 1/6/2012 01:00:49 | 9.81   | 48.71           | 31.60        | 8.09            |    | 4.4               | 2.68            | 87.4 |
| 1406     | 1/6/2012 01:15:49 | 9.79   | 48.64           | 31.55        | 8.08            |    | 4.4               | 2.65            | 87.1 |
| 1407     | 1/6/2012 01:30:49 | 9.79   | 48.57           | 31.49        | 8.07            |    | 4.3               | 2.61            | 87.1 |
| 1408     | 1/6/2012 01:45:49 | 9.81   | 48.51           | 31.45        | 8.11            |    | 4.6               | 2.58            | 87.4 |
| 1409     | 1/6/2012 02:00:49 | 9.80   | 48.50           | 31.45        | 8.10            |    | 4.4               | 2.55            | 87.3 |
| 1410     | 1/6/2012 02:15:49 | 9.80   | 48.43           | 31.39        | 8.06            |    | 4.1               | 2.54            | 86.9 |
| 1411     | 1/6/2012 02:30:49 | 9.84   | 48.29           | 31.30        | 8.12            |    | 4.3               | 2.50            | 87.5 |
| 1412     | 1/6/2012 02:45:49 | 9.83   | 48.19           | 31.23        | 8.10            |    | 4.2               | 2.48            | 87.2 |
| 1413     | 1/6/2012 03:00:49 | 9.81   | 48.24           | 31.26        | 8.04            |    | 4.3               | 2.47            | 86.6 |
| 1414     | 1/6/2012 03:15:49 | 9.81   | 48.30           | 31.30        | 8.06            |    | 5.3               | 2.47            | 86.9 |
| 1415     | 1/6/2012 03:30:49 | 9.78   | 48.34           | 31.33        | 7.99            |    | 4.5               | 2.49            | 86.1 |
| 1416     | 1/6/2012 03:45:49 | 9.81   | 48.49           | 31.44        | 8.05            |    | 4.6               | 2.48            | 86.8 |
| 1417     | 1/6/2012 04:00:49 | 9.82   | 48.51           | 31.45        | 8.08            |    | 4.4               | 2.57            | 87.1 |
| 1418     | 1/6/2012 04:15:49 | 9.83   | 48.48           | 31.43        | 8.08            |    | 4.7               | 2.61            | 87.2 |
| 1419     | 1/6/2012 04:30:49 | 9.84   | 48.51           | 31.45        | 8.13            |    | 4.2               | 2.64            | 87.7 |
| 1420     | 1/6/2012 04:45:49 | 9.84   | 48.38           | 31.36        | 8.13            |    | 4.8               | 2.71            | 87.7 |
| 1421     | 1/6/2012 05:00:49 | 9.84   | 48.48           | 31.43        | 8.12            |    | 4.7               | 2.71            | 87.6 |
| 1422     | 1/6/2012 05:15:49 | 9.90   | 48.74           | 31.62        | 8.15            |    | 4.6               | 2.81            | 88.2 |
| 1423     | 1/6/2012 05:30:49 | 9.94   | 48.91           | 31.75        | 8.19            |    | 4.0               | 2.86            | 88.8 |
| 1424     | 1/6/2012 05:45:49 | 9.99   | 49.11           | 31.90        | 8.24            |    | 4.3               | 2.91            | 89.4 |
| 1425     | 1/6/2012 06:00:49 | 10.02  | 49.20           | 31.97        | 8.29            |    | 4.6               | 3.00            | 90.2 |
| 1426     | 1/6/2012 06:15:49 | 10.06  | 49.41           | 32.12        | 8.35            |    | 4.7               | 3.06            | 91.0 |
| 1427     | 1/6/2012 06:30:49 | 10.10  | 49.51           | 32.19        | 8.42            |    | 4.5               | 3.17            | 91.8 |
| 1428     | 1/6/2012 06:45:49 | 10.14  | 49.70           | 32.33        | 8.45            |    | 4.3               | 3.22            | 92.3 |
| 1429     | 1/6/2012 07:00:49 | 10.22  | 49.90           | 32.48        | 8.55            |    | 4.9               | 3.31            | 93.7 |
| 1430     | 1/6/2012 07:15:49 | 10.27  | 49.97           | 32.53        | 8.64            |    | 5.3               | 3.37            | 94.8 |

sonde #3

## Indian Island Long-Term Deployment Water Quality Data

| Sample # | Date & Time       | Temp C | SpCond<br>mS/cm | Salinity ppt | DO Conc<br>mg/L | pH | Turbidity+<br>NTU | Depth<br>meters | DO%    |
|----------|-------------------|--------|-----------------|--------------|-----------------|----|-------------------|-----------------|--------|
| 1431     | 1/6/2012 07:30:49 | 10.30  | 50.07           | 32.61        | 8.68            |    | 6.0               | 3.42            | 95.4   |
| 1432     | 1/6/2012 07:45:49 | 10.36  | 50.25           | 32.75        | 8.76            |    | 6.5               | 3.50            | 96.5   |
| 1433     | 1/6/2012 08:00:49 | 10.39  | 50.35           | 32.82        | 8.80            |    | 6.2               | 3.55            | 97.0   |
| 1434     | 1/6/2012 08:15:49 | 10.41  | 50.37           | 32.84        | 8.81            |    | 5.6               | 3.61            | 97.2   |
| 1435     | 1/6/2012 08:30:49 | 10.42  | 50.47           | 32.91        | 8.82            |    | 5.7               | 3.66            | 97.3   |
| 1436     | 1/6/2012 08:45:49 | 10.43  | 50.47           | 32.91        | 8.83            |    | 5.7               | 3.69            | 97.5   |
| 1437     | 1/6/2012 09:00:49 | 10.44  | 50.52           | 32.95        | 8.83            |    | 5.1               | 3.71            | 97.5   |
| 1438     | 1/6/2012 09:15:49 | 10.39  | 50.35           | 32.82        | 8.73            |    | 5.0               | 3.71            | 96.2   |
| 1439     | 1/6/2012 09:30:49 | 10.44  | 50.45           | 32.90        | 8.77            |    | 4.9               | 3.71            | 96.8   |
| 1440     | 1/6/2012 09:45:49 | 10.44  | 50.53           | 32.95        | 8.78            |    | 4.7               | 3.71            | 97.0   |
| 1441     | 1/6/2012 10:00:49 | 10.42  | 50.47           | 32.91        | 8.77            |    | 5.1               | 3.64            | 96.8   |
| 1442     | 1/6/2012 10:15:49 | 10.30  | 50.20           | 32.70        | 8.67            |    | 4.7               | 3.59            | 95.3   |
| 1443     | 1/6/2012 10:30:49 | 10.33  | 50.17           | 32.68        | 8.72            |    | 5.7               | 3.49            | 95.8   |
| 1444     | 1/6/2012 10:45:49 | 10.30  | 50.00           | 32.56        | 8.71            |    | 4.3               | 3.44            | 95.6   |
| 1445     | 1/6/2012 11:00:49 | 10.33  | 49.97           | 32.54        | 8.69            |    | 3.8               | 3.38            | 95.5   |
| 1446     | 1/6/2012 11:15:49 | 10.27  | 49.66           | 32.31        | 8.54            |    | 3.7               | 3.27            | 93.5   |
| 1447     | 1/6/2012 11:30:49 | 10.21  | 49.54           | 32.23        | 8.38            |    | 6.7               | 3.14            | 91.6   |
| 1448     | 1/6/2012 11:45:49 | 10.25  | 49.42           | 32.14        | 8.41            |    | 4.7               | 3.05            | 92.0   |
| 1449     | 1/6/2012 12:00:49 | 10.26  | 49.44           | 32.15        | 8.45            |    | 4.2               | 2.99            | 92.5   |
| 1450     | 1/6/2012 12:15:49 | 10.27  | 49.42           | 32.14        | 8.43            |    | 4.5               | 2.86            | 92.3   |
| 1451     | 1/6/2012 12:30:49 | 10.30  | 49.40           | 32.13        | 8.53            |    | 4.2               | 2.75            | 93.4   |
|          | Mean              | 9.31   | 50.00           | 32.49        | 9.35            |    | 5.12              | 2.62            | 100.33 |
|          | Minimum           | 7.74   | 47.39           | 30.64        | 7.99            |    | 2.80              | 0.72            | 86.10  |
|          | Maximum           | 10.44  | 51.74           | 33.76        | 11.12           |    | 19.10             | 4.12            | 116.90 |

| Parameter        | Criteria          | Source                                                                       |
|------------------|-------------------|------------------------------------------------------------------------------|
| Dissolved Oxygen | 6.0 mg/L (min)    | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |
| pH               | 7.0 - 8.5 (range) | NCRQCB Basin Plan, Objectives for Inland Waters, Enclosed Bays and Estuaries |

pH probe malfunctioned during deployment