

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 6353
 CALIBRATION DATE: 22-Aug-09

SBE19plus CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

| | |
|--------------------|----------------------|
| g = -1.012009e+000 | CPcor = -9.5700e-008 |
| h = 1.503931e-001 | CTcor = 3.2500e-006 |
| i = -2.225781e-004 | |
| j = 3.799765e-005 | |

| BATH TEMP (ITS-90) | BATH SAL (PSU) | BATH COND (Siemens/m) | INST FREQ (Hz) | INST COND (Siemens/m) | RESIDUAL (Siemens/m) |
|-----------------------|-------------------|--------------------------|-------------------|--------------------------|-------------------------|
| 22.0000 | 0.0000 | 0.00000 | 2596.83 | 0.0000 | 0.00000 |
| 1.0000 | 34.8497 | 2.97855 | 5153.50 | 2.9785 | -0.00000 |
| 4.5000 | 34.8296 | 3.28586 | 5347.67 | 3.2859 | 0.00000 |
| 15.0000 | 34.7863 | 4.26832 | 5925.20 | 4.2683 | -0.00001 |
| 18.5000 | 34.7770 | 4.61372 | 6115.05 | 4.6137 | 0.00000 |
| 24.0000 | 34.7667 | 5.17206 | 6409.79 | 5.1721 | 0.00001 |
| 29.0000 | 34.7609 | 5.69427 | 6673.38 | 5.6943 | 0.00001 |
| 32.5000 | 34.7575 | 6.06690 | 6855.10 | 6.0669 | -0.00001 |

f = INST FREQ / 1000.0
 Conductivity = (g + hf² + if³ + jf⁴) / (1 + δt + εp) Siemens/meter
 t = temperature[°C]; p = pressure[decibars]; δ = CTcor; ε = CPcor;
 Residual = instrument conductivity - bath conductivity

Date, Slope Correction

● 22-Aug-09 1.0000000

