

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1335
 CALIBRATION DATE: 21-Aug-03

SBE4 CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHJ COEFFICIENTS

g = -4.23358901e+000
 h = 5.34929106e-001
 i = 2.96735122e-005
 j = 2.83594533e-005
 CPcor = -9.5700e-008 (nominal)
 CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 3.87455067e-005
 b = 5.34967717e-001
 c = -4.23363724e+000
 d = -8.29470979e-005
 m = 3.9
 CPcor = -9.5700e-008 (nominal)

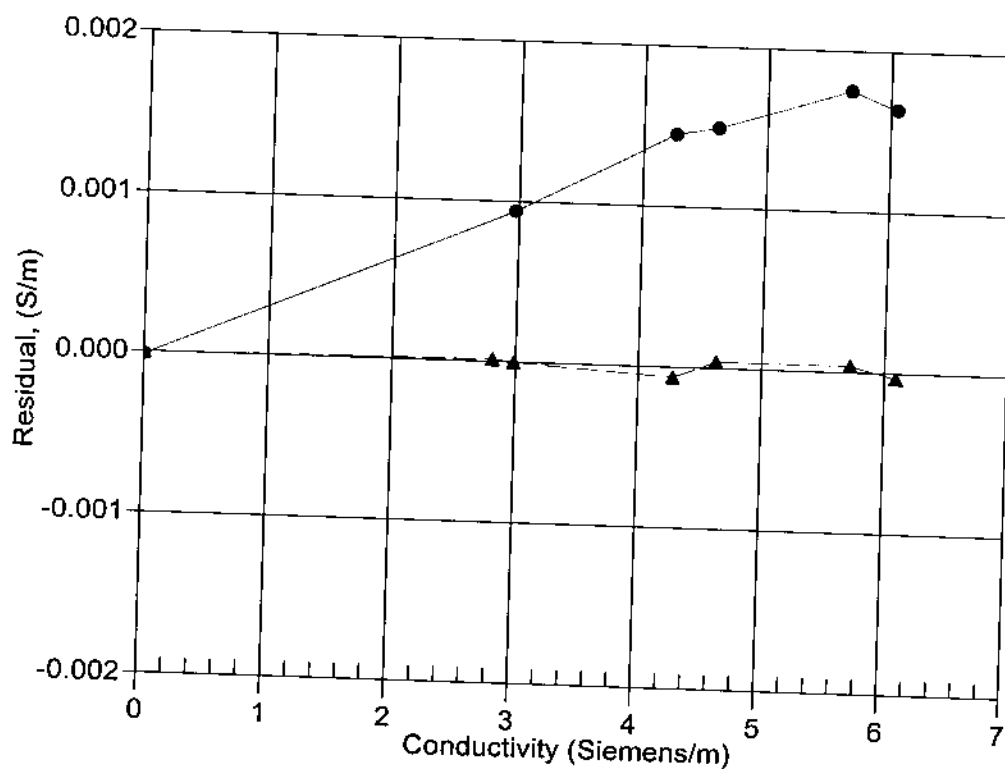
| BATH TEMP (ITS-90) | BATH SAL (PSU) | BATH COND (Siemens/m) | INST FREQ (kHz) | INST COND (Siemens/m) | RESIDUAL (Siemens/m) |
|-----------------------|-------------------|--------------------------|--------------------|--------------------------|-------------------------|
| 0.0000 | 0.0000 | 0.00000 | 2.81243 | -0.00000 | -0.00000 |
| -1.0004 | 34.8990 | 2.81058 | 7.76127 | 2.81060 | 0.00001 |
| 0.9996 | 34.8995 | 2.98236 | 7.96402 | 2.98236 | -0.00000 |
| 14.9996 | 34.9006 | 4.28082 | 9.35370 | 4.28076 | -0.00006 |
| 18.4996 | 34.8999 | 4.62822 | 9.69135 | 4.62826 | 0.00004 |
| 28.9996 | 34.8991 | 5.71431 | 10.67672 | 5.71435 | 0.00004 |
| 32.4996 | 34.8950 | 6.08811 | 10.99495 | 6.08808 | -0.00003 |

Conductivity = (g + hf² + if³ + jf⁴) / 10(1 + δt + εp) Siemens/meter

Conductivity = (af^m + bf² + c + dt) / [10 (1 + εp) Siemens/meter

t = temperature[°C]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients



Date, Slope Correction

● 09-May-02 0.9996959
 ▲ 21-Aug-03 1.0000000