

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1346
CALIBRATION DATE: 06-Sep-06

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

GHIJ COEFFICIENTS

g = -4.02275926e+000
h = 5.29831484e-001
i = -1.75040575e-005
j = 3.14899546e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.99376399e-005
b = 5.29794983e-001
c = -4.02283589e+000
d = -9.61041325e-005
m = 4.0
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 | 2.75496 | 0.00000 | 0.00000 |
| -1.0000 | 34.8640 | 2.80806 | 7.77114 | 2.80808 | 0.00002 |
| 1.0000 | 34.8638 | 2.97964 | 7.97535 | 2.97962 | -0.00002 |
| 15.0000 | 34.8644 | 4.27689 | 9.37475 | 4.27687 | -0.00002 |
| 18.5000 | 34.8635 | 4.62395 | 9.71449 | 4.62398 | 0.00002 |
| 32.5000 | 34.8554 | 6.08204 | 11.02554 | 6.08203 | -0.00000 |

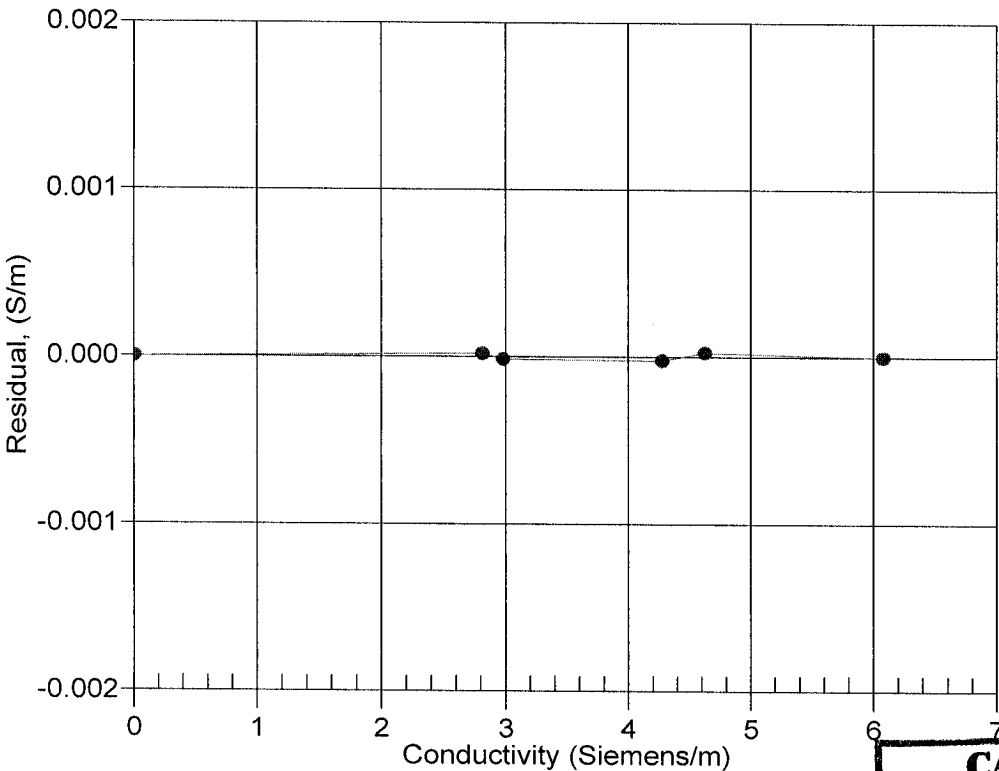
Conductivity = (g + hf² + if³ + jf⁴) / 10(1 + δt + εp) Siemens/meter

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



**CALIBRATION
AFTER
MODIFICATIONS**