

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1030
CALIBRATION DATE: 09-Feb-11

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

GHIJ COEFFICIENTS

g = -4.06554230e+000
h = 5.72342342e-001
i = 1.90032661e-004
j = 2.27551842e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 5.72166020e-005
b = 5.72915227e-001
c = -4.06716269e+000
d = -7.45739963e-005
m = 3.8
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 | 2.66366 | 0.00000 | 0.00000 |
| -1.0000 | 34.9765 | 2.81627 | 7.48633 | 2.81628 | 0.00000 |
| 1.0000 | 34.9766 | 2.98836 | 7.68291 | 2.98836 | -0.00000 |
| 15.0000 | 34.9755 | 4.28907 | 9.02979 | 4.28907 | -0.00000 |
| 18.5000 | 34.9741 | 4.63704 | 9.35682 | 4.63704 | 0.00000 |
| 29.0001 | 34.9665 | 5.72415 | 10.31078 | 5.72415 | -0.00000 |

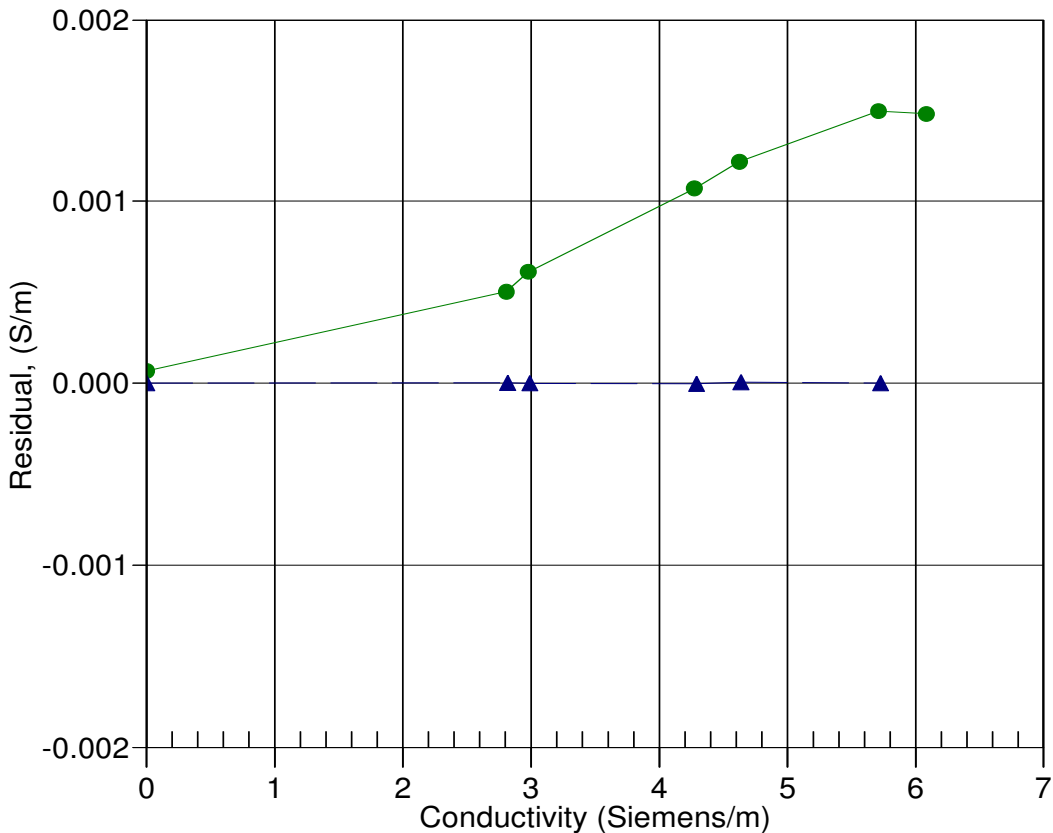
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

Conductivity = $(af^m + bf^2 + c + dt) / [10(1 + \epsilon p)]$ 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



● 03-Nov-09 0.9997546
▲ 09-Feb-11 1.0000000