

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2645
CALIBRATION DATE: 25-Oct-07

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

GHIJ COEFFICIENTS

g = -1.02374143e+001
h = 1.41439052e+000
i = -1.27561930e-003
j = 1.71691149e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 3.89448632e-006
b = 1.41129752e+000
c = -1.02316705e+001
d = -8.74187023e-005
m = 5.3
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	2.69245	0.00000	0.00000
-1.0000	34.8025	2.80357	5.20555	2.80356	-0.00001
1.0000	34.8030	2.97494	5.32072	2.97494	0.00001
15.0000	34.8034	4.27020	6.12105	4.27023	0.00003
18.5000	34.8038	4.61689	6.31792	4.61686	-0.00003
29.0000	34.8000	5.69995	6.89658	5.69995	0.00000
32.5000	34.7918	6.07220	7.08442	6.07220	0.00000

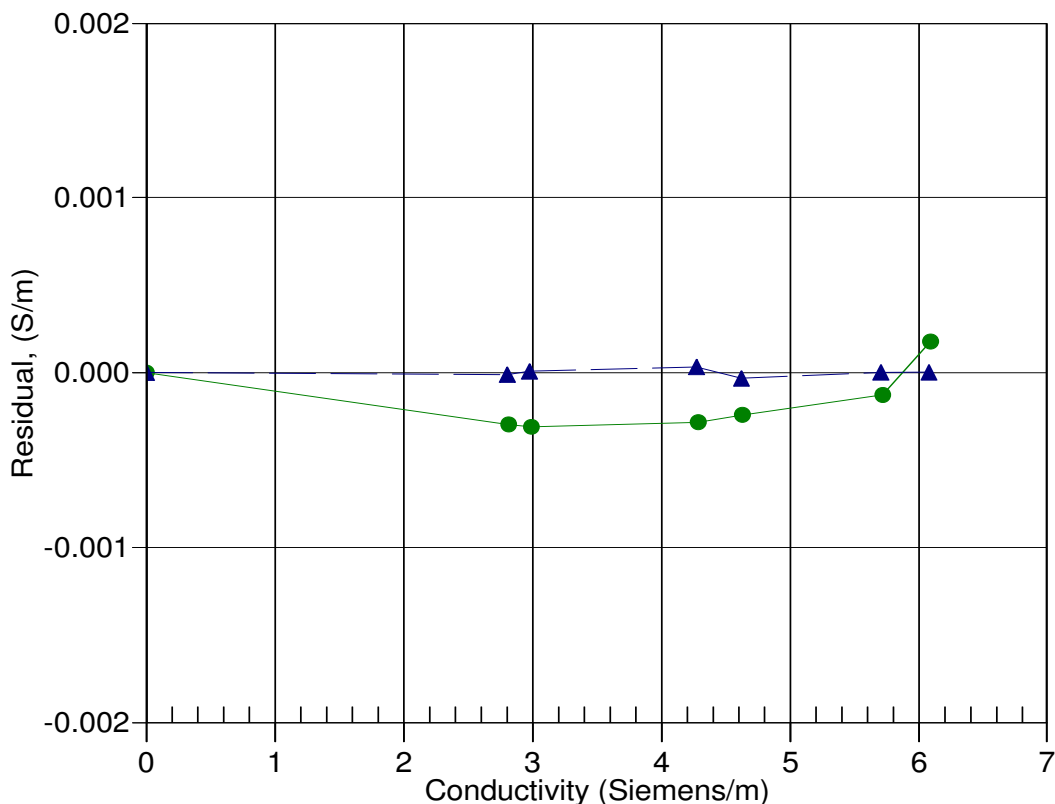
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



06-Oct-06 1.0000296
25-Oct-07 1.0000000