

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0334
CALIBRATION DATE: 05-Feb-14

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

GHIJ COEFFICIENTS

g = -4.22610014e+000
h = 4.71250165e-001
i = -3.89684115e-004
j = 4.32408089e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.67481479e-006
b = 4.69935627e-001
c = -4.22180033e+000
d = -8.74712149e-005
m = 4.8
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	2.99711	0.00000	0.00000
-1.0000	34.7297	2.79825	8.26959	2.79828	0.00003
1.0000	34.7299	2.96928	8.48562	2.96926	-0.00002
15.0000	34.7289	4.26202	9.96623	4.26199	-0.00003
18.5000	34.7283	4.60795	10.32583	4.60797	0.00002
29.0001	34.7262	5.68923	11.37486	5.68927	0.00004
32.5000	34.7170	6.06063	11.71282	6.06060	-0.00003

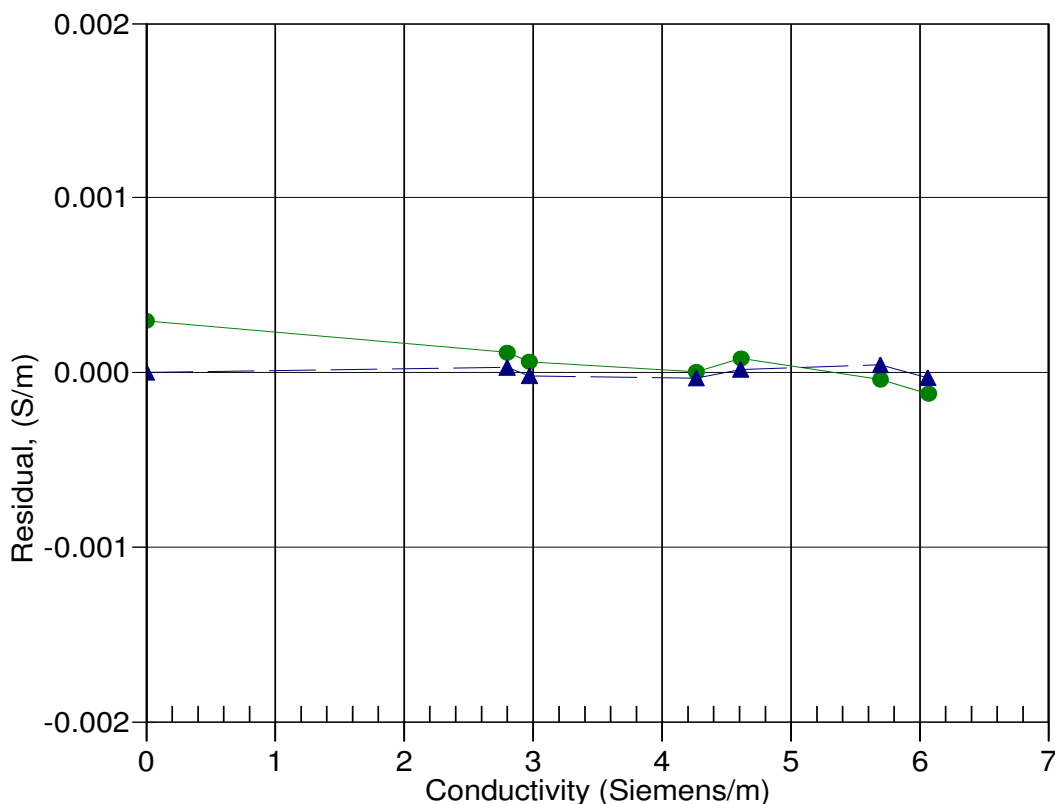
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



12-Dec-12 1.0000008
05-Feb-14 1.0000000