

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1335
CALIBRATION DATE: 26-Oct-12

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

GHIJ COEFFICIENTS

g = -3.97297527e+000
h = 5.02261978e-001
i = -8.00323481e-005
j = 3.20697633e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.08979828e-005
b = 5.02016714e-001
c = -3.97221755e+000
d = -8.20305232e-005
m = 4.1
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	2.81242	0.00000	0.00000
-1.0000	34.6190	2.79016	7.95533	2.79021	0.00005
1.0000	34.6202	2.96080	8.16467	2.96076	-0.00004
15.0000	34.6205	4.25013	9.59853	4.25007	-0.00006
18.5000	34.6199	4.59512	9.94668	4.59514	0.00002
29.0000	34.6164	5.67325	10.96196	5.67334	0.00009
32.5000	34.6080	6.04376	11.28914	6.04370	-0.00006

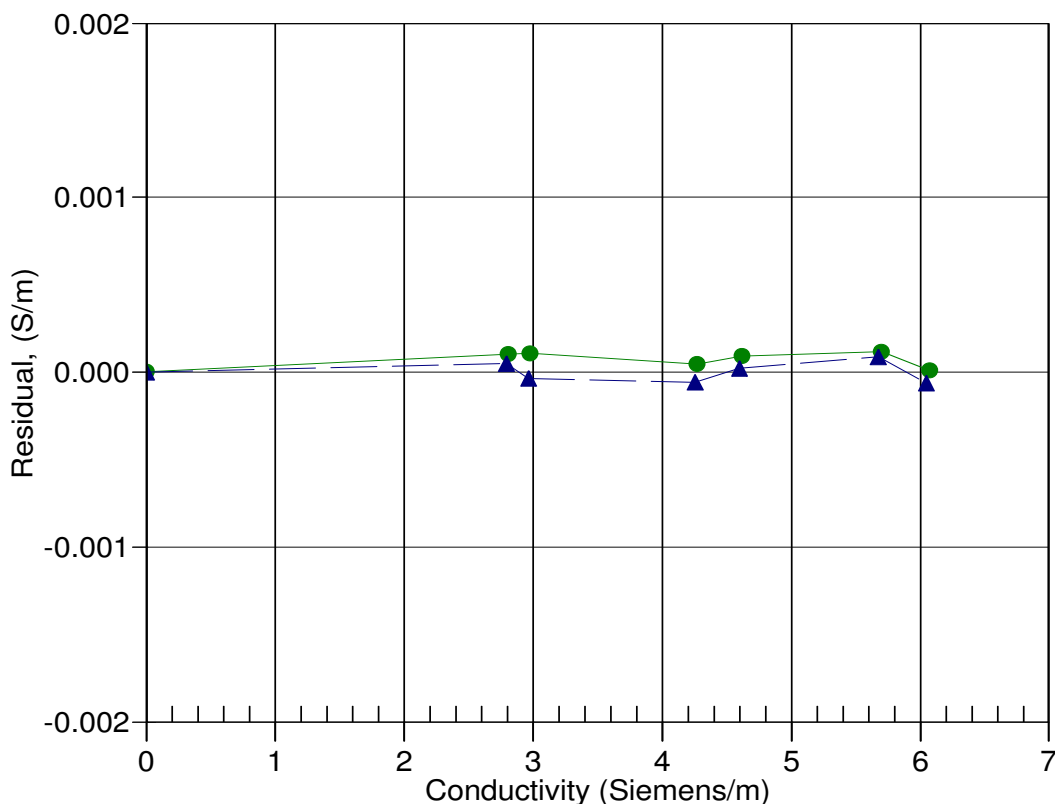
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



15-Aug-12 0.9999845
26-Oct-12 1.0000000