

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1553
CALIBRATION DATE: 07-Feb-14

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

GHIJ COEFFICIENTS

g = -4.17709201e+000
h = 5.24623931e-001
i = 1.68653552e-004
j = 1.97467583e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 8.64182470e-005
b = 5.24830317e-001
c = -4.17719154e+000
d = -7.74191568e-005
m = 3.6
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	2.82001	0.00000	0.00000
-0.9999	34.6189	2.79016	7.80094	2.79020	0.00004
1.0000	34.6187	2.96068	8.00479	2.96066	-0.00002
15.0000	34.6174	4.24979	9.40265	4.24973	-0.00006
18.5000	34.6166	4.59473	9.74230	4.59473	0.00000
29.0001	34.6137	5.67287	10.73357	5.67299	0.00012
32.5000	34.6040	6.04314	11.05291	6.04306	-0.00009

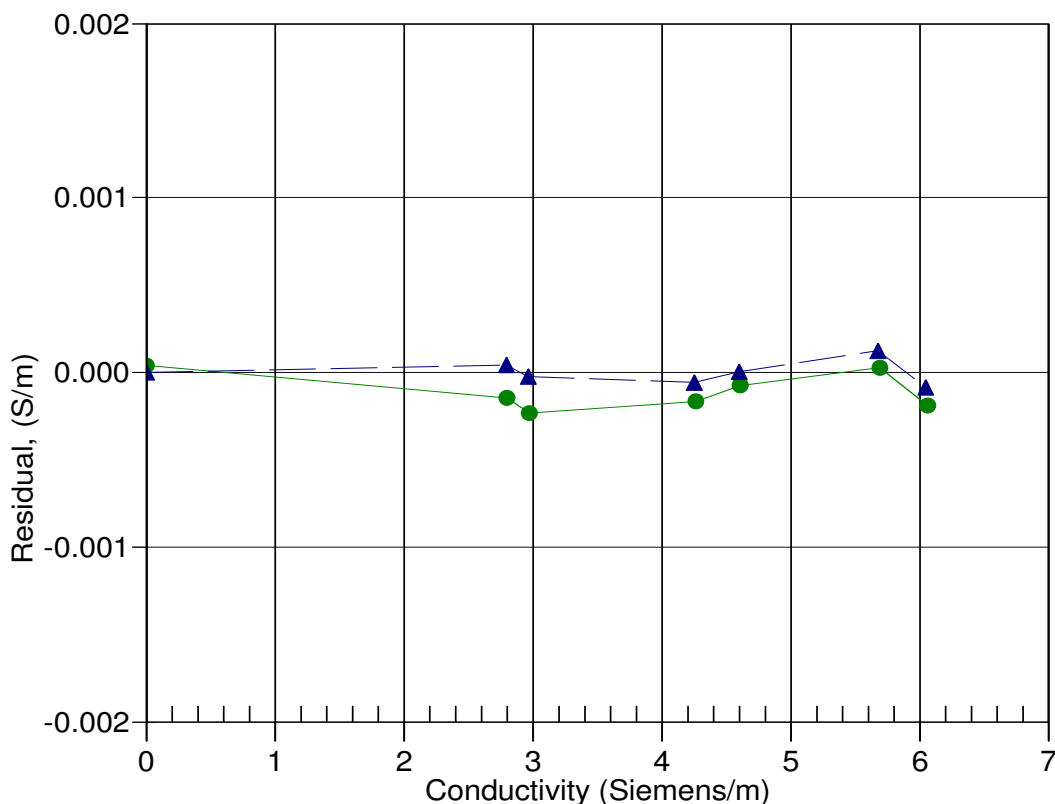
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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-Aug-12 1.0000253
▲ 07-Feb-14 1.0000000