

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2356
CALIBRATION DATE: 07-Feb-14

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

GHIJ COEFFICIENTS

g = -1.00894116e+001
h = 1.47164172e+000
i = 2.15984980e-004
j = 6.93524387e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.68168096e-004
b = 1.47188543e+000
c = -1.00899136e+001
d = -8.53346312e-005
m = 3.7
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	2.61745	0.00000	0.00000
-0.9999	34.6189	2.79016	5.07591	2.79016	-0.00000
1.0000	34.6187	2.96068	5.18841	2.96069	0.00001
15.0000	34.6174	4.24979	5.97026	4.24978	-0.00001
18.5000	34.6166	4.59473	6.16257	4.59473	0.00000
29.0001	34.6137	5.67287	6.72802	5.67287	0.00000
32.5000	34.6040	6.04314	6.91145	6.04314	-0.00000

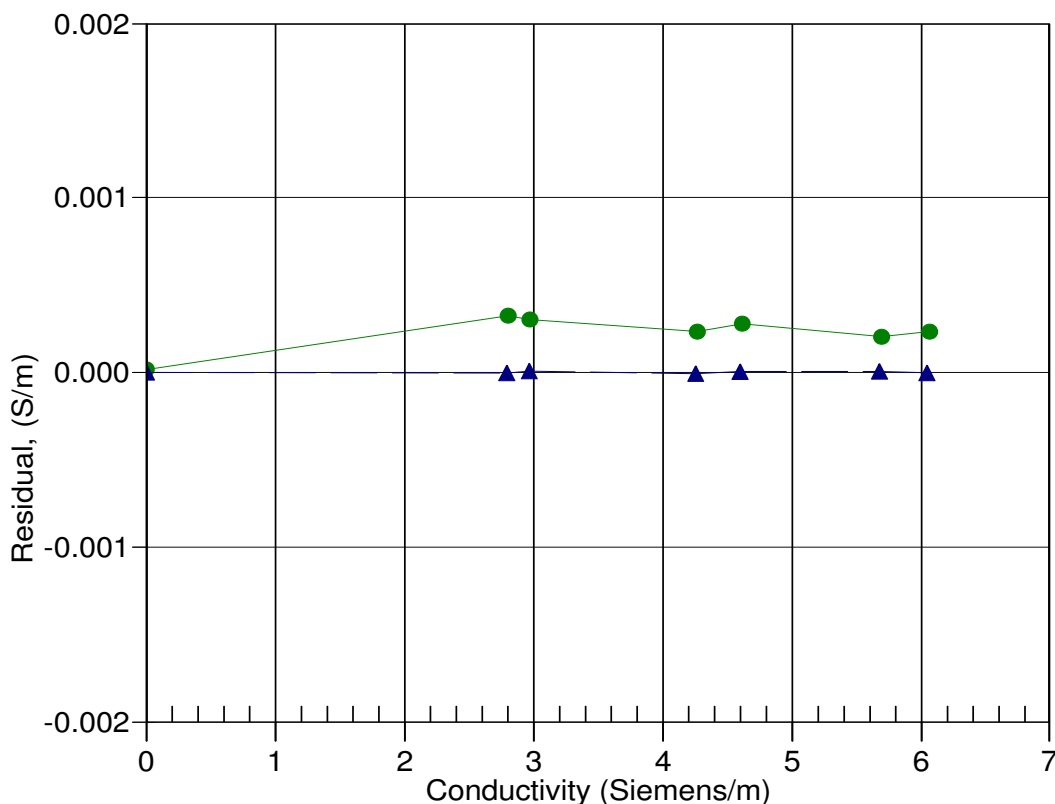
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 19-Jul-12 0.9999470
▲ 07-Feb-14 1.0000000