

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1568
CALIBRATION DATE: 14-Feb-14

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

GHIJ COEFFICIENTS

g = -4.00443330e+000
h = 5.18931070e-001
i = -1.36643440e-004
j = 3.12666033e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.04653759e-005
b = 5.18580384e-001
c = -4.00376481e+000
d = -8.93778036e-005
m = 4.3
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	2.77826	0.00000	0.00000
-1.0000	34.7849	2.80228	7.84959	2.80228	-0.00000
1.0000	34.7851	2.97355	8.05620	2.97356	0.00000
15.0000	34.7843	4.26810	9.47140	4.26810	-0.00001
18.5000	34.7832	4.61445	9.81501	4.61447	0.00002
29.0001	34.7816	5.69728	10.81775	5.69726	-0.00003
32.5001	34.7724	6.06921	11.14097	6.06923	0.00002

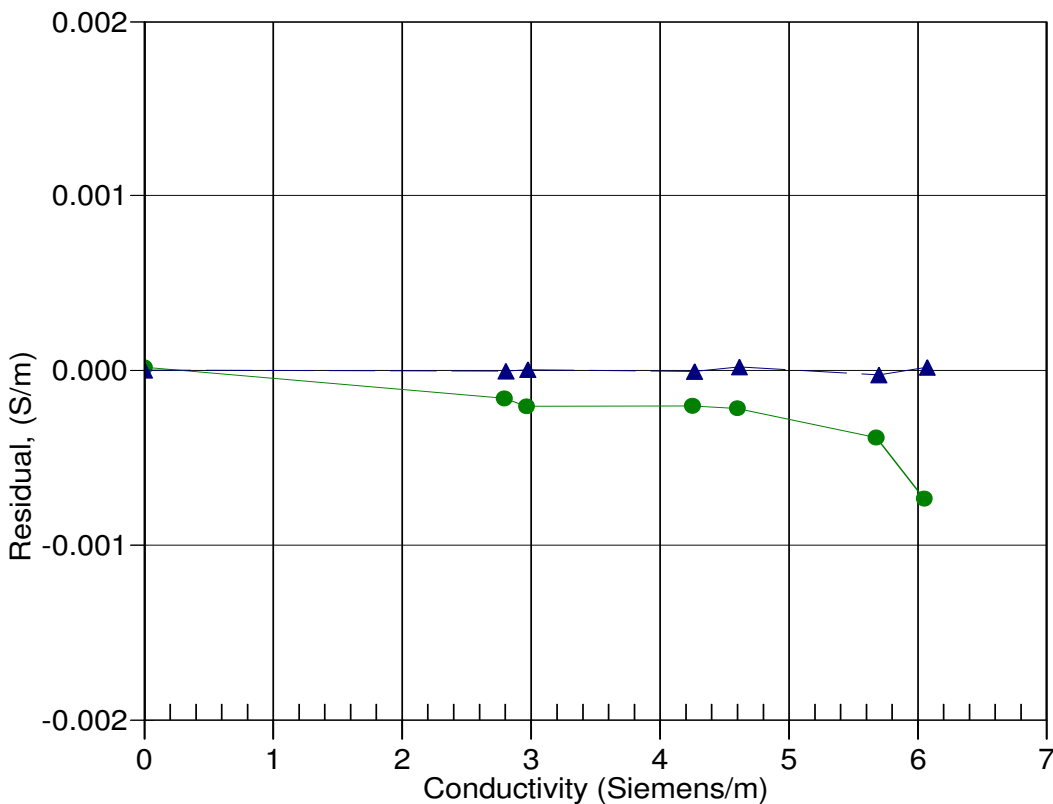
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 28-Nov-12 1.0000768
▲ 14-Feb-14 1.0000000