

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2356
CALIBRATION DATE: 16-Jan-14

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

GHIJ COEFFICIENTS

g = -1.00872828e+001
h = 1.47099245e+000
i = 3.53360155e-004
j = 6.65026398e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.35635547e-004
b = 1.47135485e+000
c = -1.00878714e+001
d = -8.52688906e-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	2.61745	0.00000	0.00000
-1.0000	34.7821	2.80208	5.08375	2.80208	-0.00000
1.0000	34.7826	2.97336	5.19655	2.97336	-0.00000
15.0000	34.7825	4.26791	5.98026	4.26792	0.00001
18.5000	34.7822	4.61433	6.17301	4.61433	-0.00001
29.0001	34.7803	5.69710	6.73972	5.69708	-0.00002
32.5001	34.7729	6.06929	6.92373	6.06930	0.00001

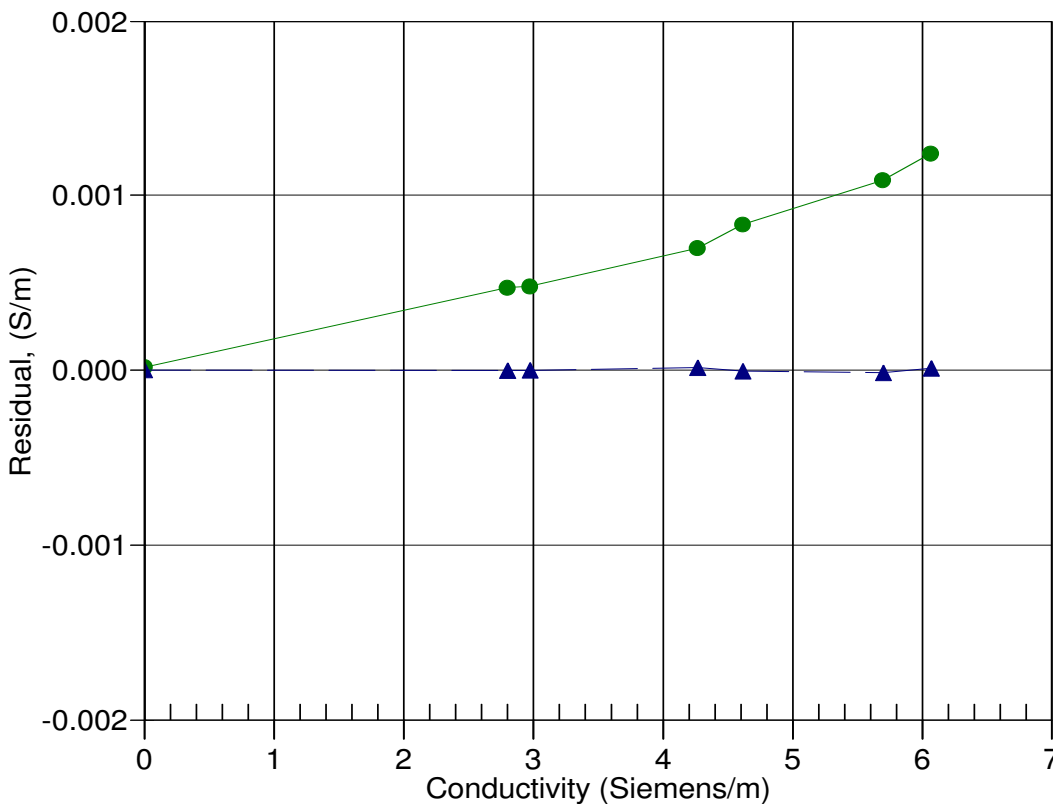
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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 0.9998146
▲ 16-Jan-14 1.0000000