

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1030
 CALIBRATION DATE: 04-Mar-14

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

GHIJ COEFFICIENTS

g = -4.06752972e+000
 h = 5.72922102e-001
 i = 5.37167072e-005
 j = 3.07048077e-005
 CPcor = -9.5700e-008 (nominal)
 CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 4.33301048e-005
 b = 5.73071231e-001
 c = -4.06811800e+000
 d = -8.77321135e-005
 m = 3.9
 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	2.66367	0.00000	0.00000
-1.0000	34.8618	2.80790	7.47684	2.80791	0.00001
1.0000	34.8628	2.97956	7.67319	2.97955	-0.00001
15.0000	34.8634	4.27678	9.01823	4.27677	-0.00000
18.5000	34.8630	4.62389	9.34487	4.62390	0.00000
29.0000	34.8616	5.70890	10.29802	5.70891	0.00001
32.5000	34.8541	6.08183	10.60545	6.08183	-0.00000

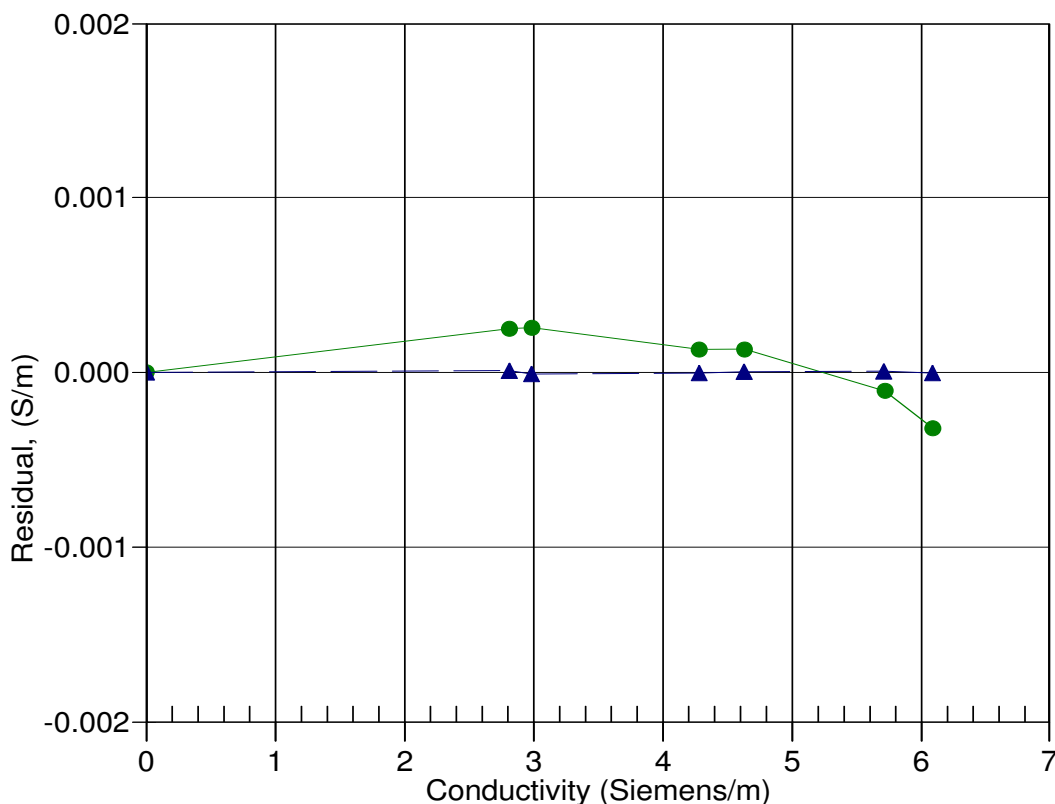
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 23-Jul-13 0.9999995
▲ 04-Mar-14 1.0000000