

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0670
CALIBRATION DATE: 13-Mar-12

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

GHIJ COEFFICIENTS

g = -4.30985612e+000
h = 4.57206636e-001
i = 4.15364809e-004
j = 1.04071587e-006
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 4.28919293e-004
b = 4.57166544e-001
c = -4.30981255e+000
d = -8.53729810e-005
m = 3.0
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	3.06596	0.00000	0.00000
-0.9999	34.7866	2.80242	8.37706	2.80241	-0.00001
1.0001	34.7863	2.97365	8.59520	2.97367	0.00002
15.0001	34.7862	4.26832	10.09106	4.26828	-0.00004
18.5001	34.7854	4.61472	10.45470	4.61475	0.00003
29.0001	34.7843	5.69768	11.51652	5.69770	0.00002
32.5001	34.7789	6.07022	11.85948	6.07020	-0.00002

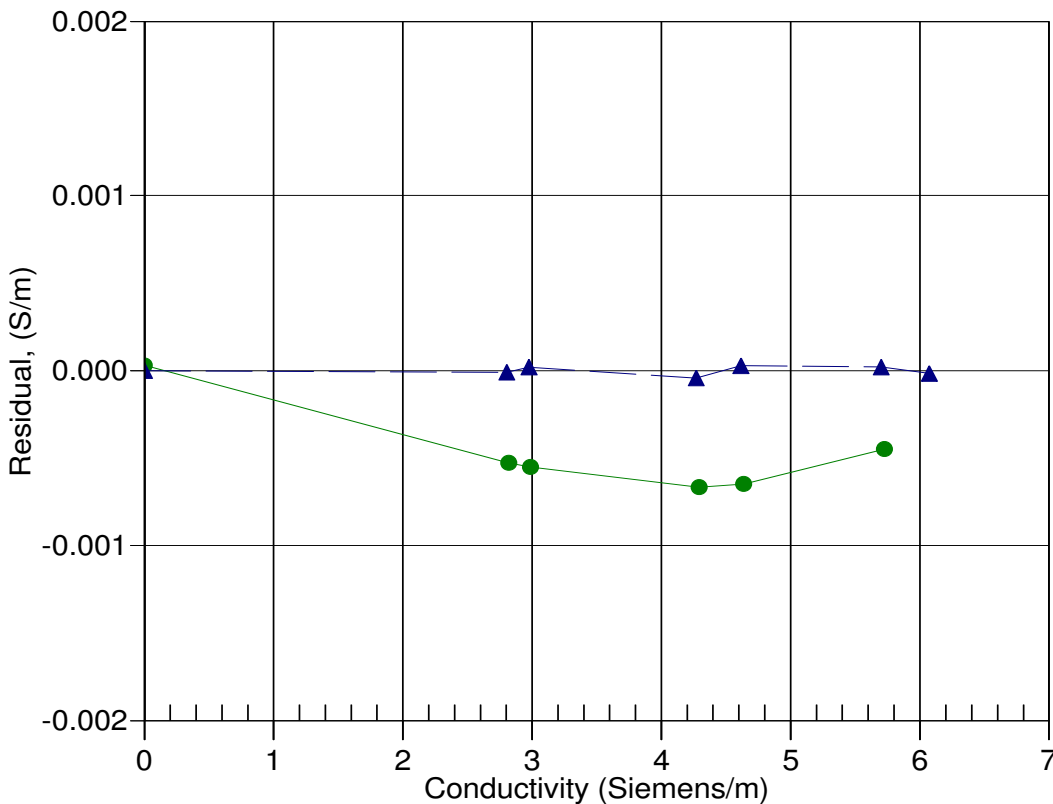
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 09-Feb-11 1.0001294
▲ 13-Mar-12 1.0000000