

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3040
CALIBRATION DATE: 07-Jul-12

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

GHIJ COEFFICIENTS

g = -1.08203246e+001
h = 1.51200578e+000
i = 3.84640198e-005
j = 7.85082330e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.24393891e-004
b = 1.51189870e+000
c = -1.08200318e+001
d = -8.41983097e-005
m = 3.8
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	2.67453	0.00000	0.00000
-0.9999	34.9530	2.81457	5.07278	2.81454	-0.00003
1.0001	34.9529	2.98653	5.18340	2.98657	0.00003
15.0001	34.9547	4.28680	5.95304	4.28678	-0.00002
18.5001	34.9542	4.63469	6.14257	4.63473	0.00003
29.0001	34.9503	5.72180	6.69998	5.72175	-0.00005
32.5001	34.9372	6.09469	6.88075	6.09472	0.00003

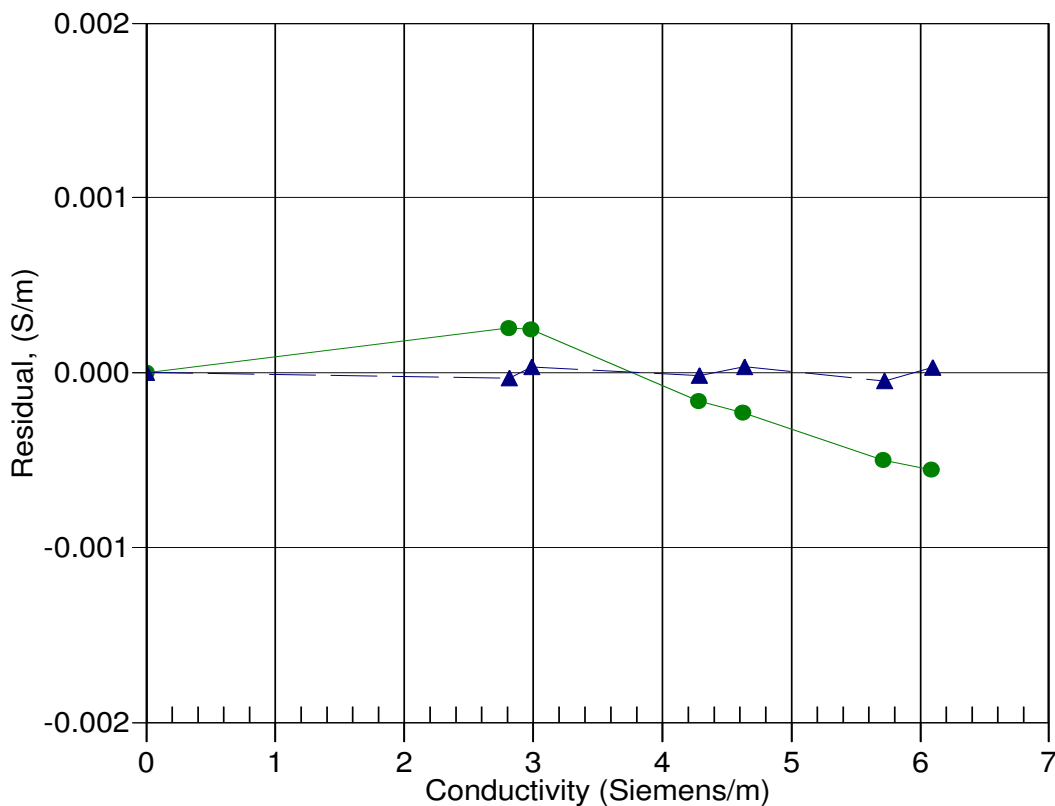
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 15-Dec-10 1.0000519
▲ 07-Jul-12 1.0000000