

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3089
 CALIBRATION DATE: 29-Nov-12

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

GHIJ COEFFICIENTS

g = -1.03631305e+001
 h = 1.39367075e+000
 i = 1.69743514e-004
 j = 4.96198739e-005
 CPcor = -9.5700e-008 (nominal)
 CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.56245460e-004
 b = 1.39370819e+000
 c = -1.03630026e+001
 d = -8.36288876e-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	2.72606	0.00000	0.00000
-0.9999	34.7985	2.80328	5.24458	2.80328	-0.00000
1.0001	34.7989	2.97463	5.36019	2.97463	-0.00000
15.0001	34.7999	4.26982	6.16399	4.26984	0.00002
18.5001	34.8002	4.61647	6.36181	4.61646	-0.00002
29.0001	34.7979	5.69965	6.94355	5.69966	0.00001
32.5002	34.7894	6.07185	7.13242	6.07185	-0.00000

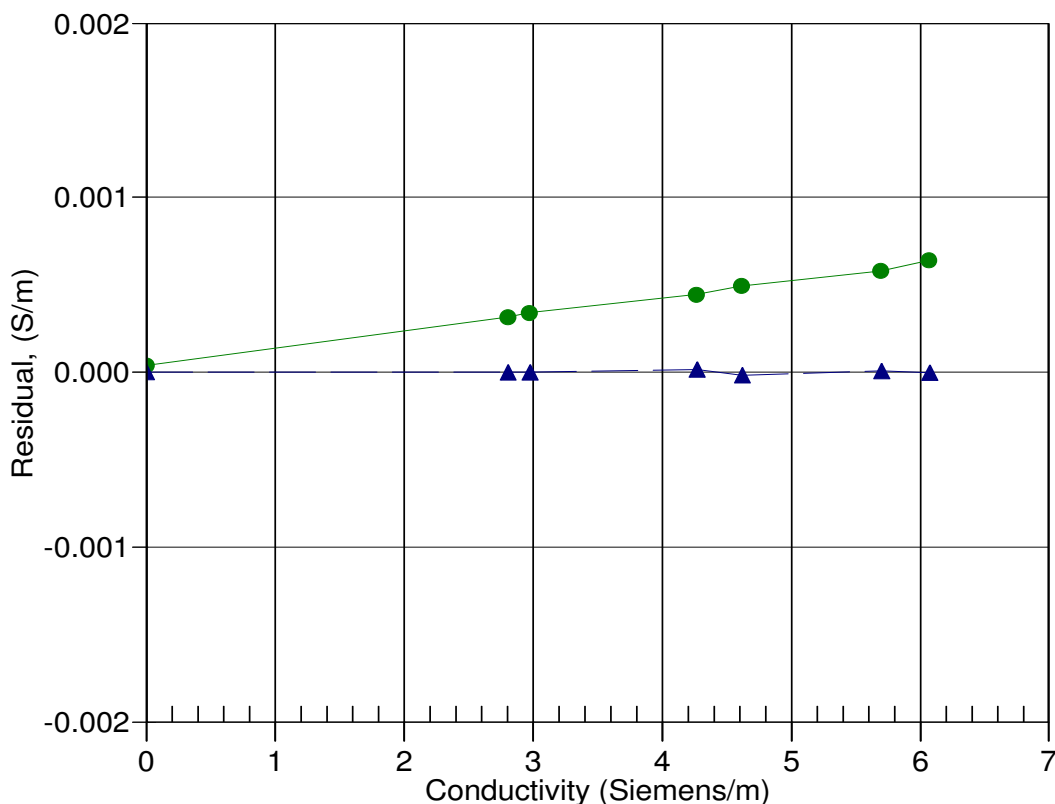
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 09-Mar-12 0.9998947
▲ 29-Nov-12 1.0000000