

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1467
CALIBRATION DATE: 26-Mar-13

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

GHIJ COEFFICIENTS

g = -9.92063630e+000
h = 1.56789682e+000
i = -8.54169817e-004
j = 1.56237039e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.17990969e-005
b = 1.56596480e+000
c = -9.91718911e+000
d = -8.19194319e-005
m = 4.6
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	2.51635	0.00000	0.00000
-1.0000	34.9521	2.81449	4.92793	2.81450	0.00000
1.0000	34.9527	2.98651	5.03793	2.98651	-0.00000
15.0000	34.9528	4.28658	5.80188	4.28658	-0.00000
18.5000	34.9524	4.63447	5.98969	4.63447	-0.00000
29.0001	34.9509	5.72189	6.54178	5.72189	0.00000
32.5000	34.9457	6.09599	6.72113	6.09599	-0.00000

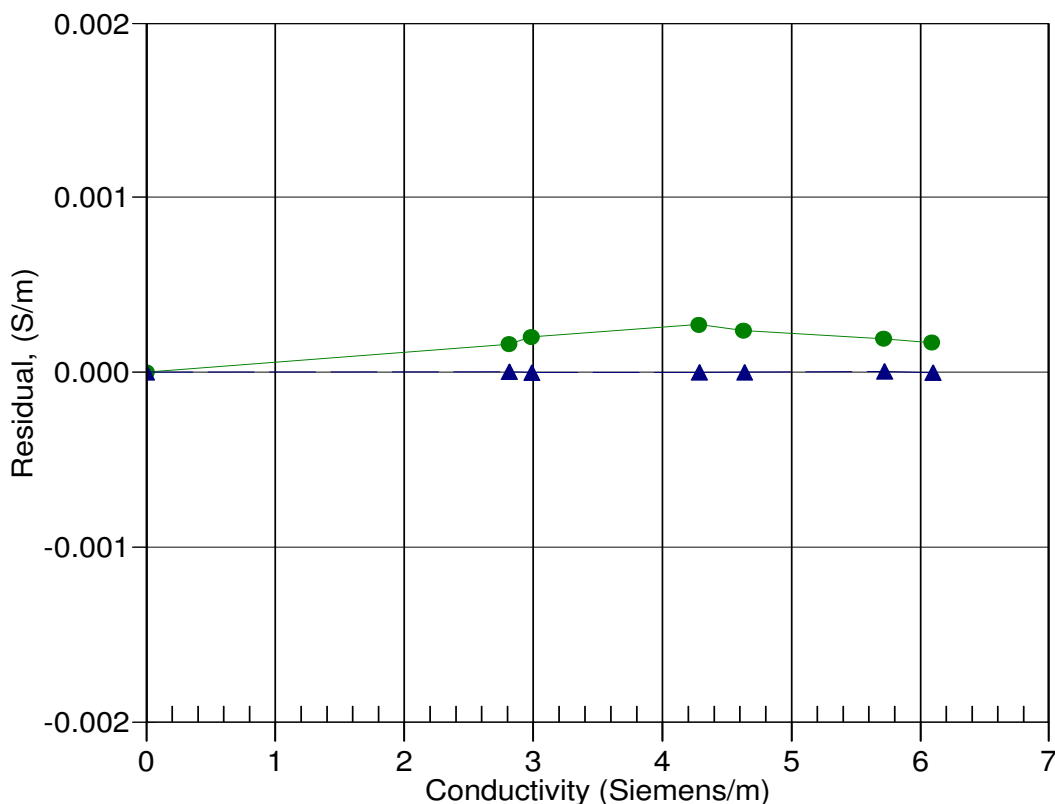
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



03-Nov-11 0.9999570
26-Mar-13 1.0000000