

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3093
CALIBRATION DATE: 09-Oct-13

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

GHIJ COEFFICIENTS

g = -9.79629167e+000
h = 1.37656533e+000
i = -2.10798871e-005
j = 7.04990222e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 8.31233769e-005
b = 1.37645487e+000
c = -9.79617797e+000
d = -8.49469229e-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	2.66724	0.00000	0.00000
-0.9999	34.7585	2.80036	5.23670	2.80034	-0.00002
1.0000	34.7584	2.97149	5.35381	2.97151	0.00002
15.0000	34.7598	4.26542	6.16711	4.26539	-0.00002
18.5000	34.7590	4.61159	6.36704	4.61162	0.00003
29.0001	34.7584	5.69391	6.95476	5.69389	-0.00003
32.5001	34.7518	6.06602	7.14561	6.06604	0.00002

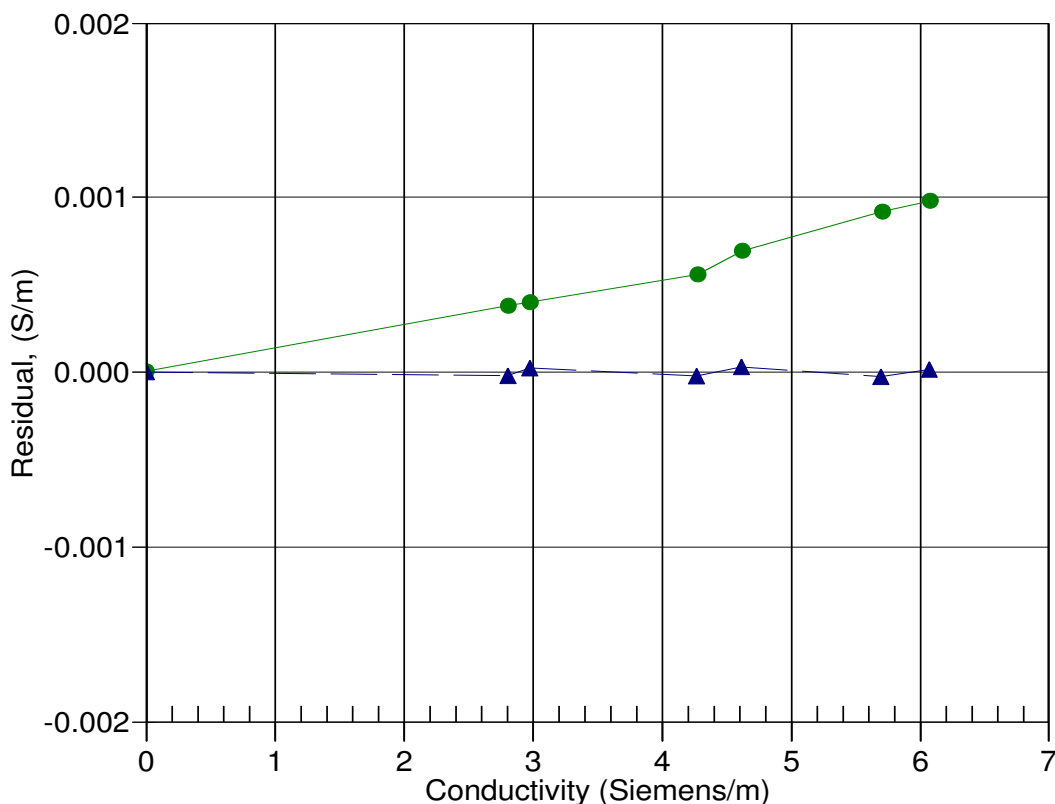
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



16-Aug-13 0.9998488
09-Oct-13 1.0000000