Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2490
CALIBRATION DATE: 05-Feb-14

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

GHIJ COEFFICIENTS

g = −9.93542395e+000
h = 1.51364263e+000
i = −7.07423162e−004
j = 1.39540080e−004
CPcor = −9.5700e−008 (nominal)
CTcor = 3.2500e−006 (nominal)

ABCDM COEFFICIENTS

a = 2.56943696e−005
b = 1.51204551e+000
c = −9.93253849e+000
d = −8.23103032e−005
m = 4.5
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	2.56277	0.00000	0.00000
−1.0000	34.7297	2.79825	5.00515	2.79826	0.00001
1.0000	34.7299	2.96928	5.11665	2.96927	−0.00001
15.0000	34.7289	4.26202	5.89128	4.26202	−0.00001
18.5000	34.7283	4.60795	6.08174	4.60796	0.00001
29.0001	34.7262	5.68923	6.64164	5.68923	0.00000
32.5000	34.7170	6.06063	6.82326	6.06063	−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
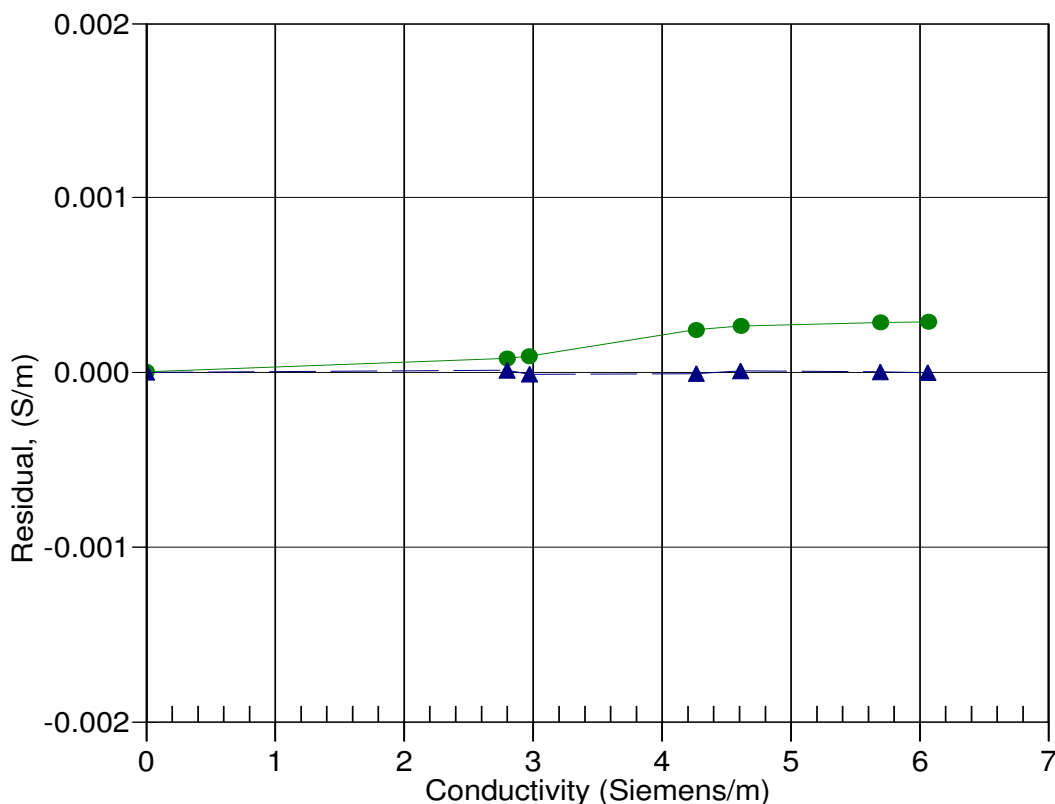
Legend:
- 14-Dec-12 0.9999512
- 05-Feb-14 1.0000000