

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1335
CALIBRATION DATE: 03-Apr-13

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

GHIJ COEFFICIENTS

g = -3.97048503e+000
h = 5.01616283e-001
i = 5.13497448e-005
j = 2.51963126e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 3.61140137e-005
b = 5.01774360e-001
c = -3.97119155e+000
d = -8.84078085e-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	2.81247	0.00000	0.00000
-1.0000	34.7127	2.79701	7.96374	2.79700	-0.00001
1.0000	34.7126	2.96794	8.17334	2.96796	0.00001
15.0000	34.7130	4.26028	9.60892	4.26028	-0.00001
18.5000	34.7129	4.60613	9.95749	4.60612	-0.00001
29.0001	34.7115	5.68709	10.97443	5.68713	0.00003
32.5000	34.7054	6.05884	11.30250	6.05881	-0.00002

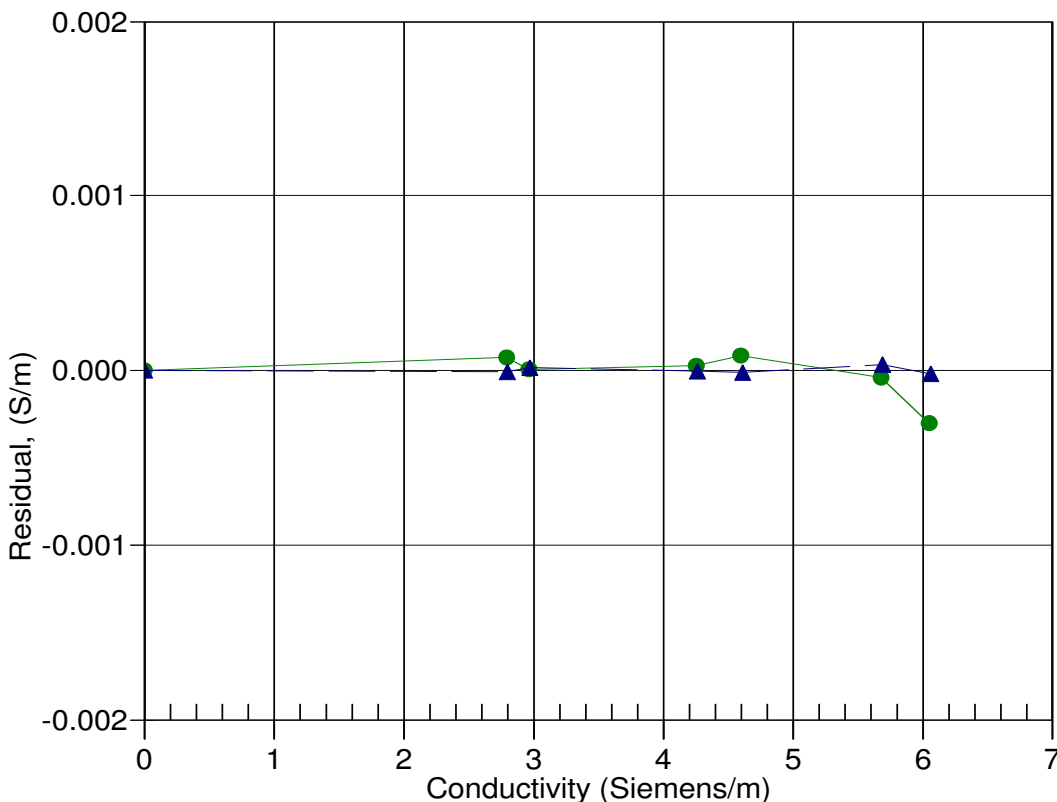
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



26-Oct-12 1.0000109
03-Apr-13 1.0000000