

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2768
CALIBRATION DATE: 10-Oct-13

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

GHIJ COEFFICIENTS

g = -1.06579210e+001
h = 1.52215584e+000
i = -1.41086542e-003
j = 2.16929308e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.10436612e-005
b = 1.51892640e+000
c = -1.06522745e+001
d = -8.61535789e-005
m = 5.0
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	2.64803	0.00000	0.00000
-1.0000	34.7544	2.80005	5.04219	2.80003	-0.00002
1.0001	34.7541	2.97116	5.15247	2.97119	0.00003
15.0000	34.7553	4.26492	5.91941	4.26492	-0.00000
18.5000	34.7549	4.61110	6.10817	4.61109	-0.00001
29.0001	34.7542	5.69330	6.66346	5.69332	0.00002
32.5001	34.7495	6.06567	6.84395	6.06566	-0.00001

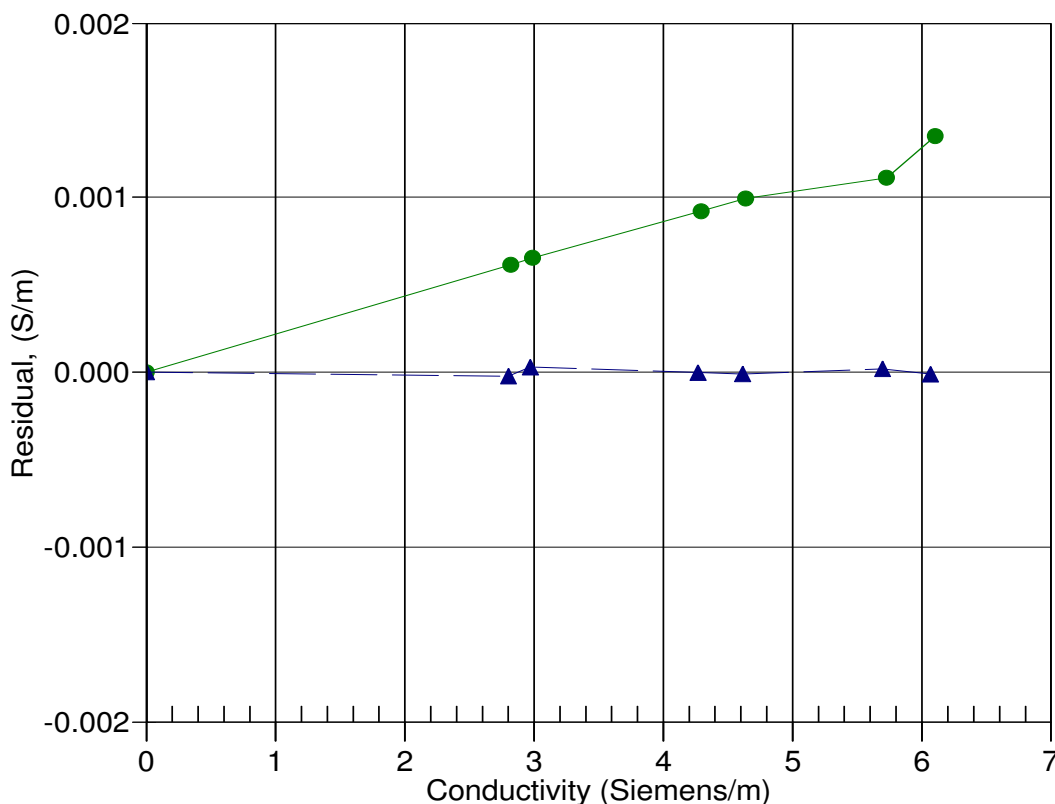
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



14-Feb-12 0.9997887
10-Oct-13 1.0000000