

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1346
CALIBRATION DATE: 22-Jun-12

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

GHIJ COEFFICIENTS

g = -4.06269747e+000
h = 5.34969238e-001
i = 6.29452658e-005
j = 2.84494169e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 4.10985090e-005
b = 5.35170370e-001
c = -4.06358410e+000
d = -8.93166190e-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	2.75476	0.00000	0.00000
-1.0000	34.7336	2.79853	7.72419	2.79856	0.00002
1.0000	34.7345	2.96964	7.92692	2.96963	-0.00001
15.0000	34.7353	4.26273	9.31576	4.26268	-0.00004
18.5000	34.7348	4.60872	9.65305	4.60874	0.00001
29.0000	34.7324	5.69012	10.63704	5.69019	0.00007
32.5000	34.7258	6.06199	10.95444	6.06194	-0.00005

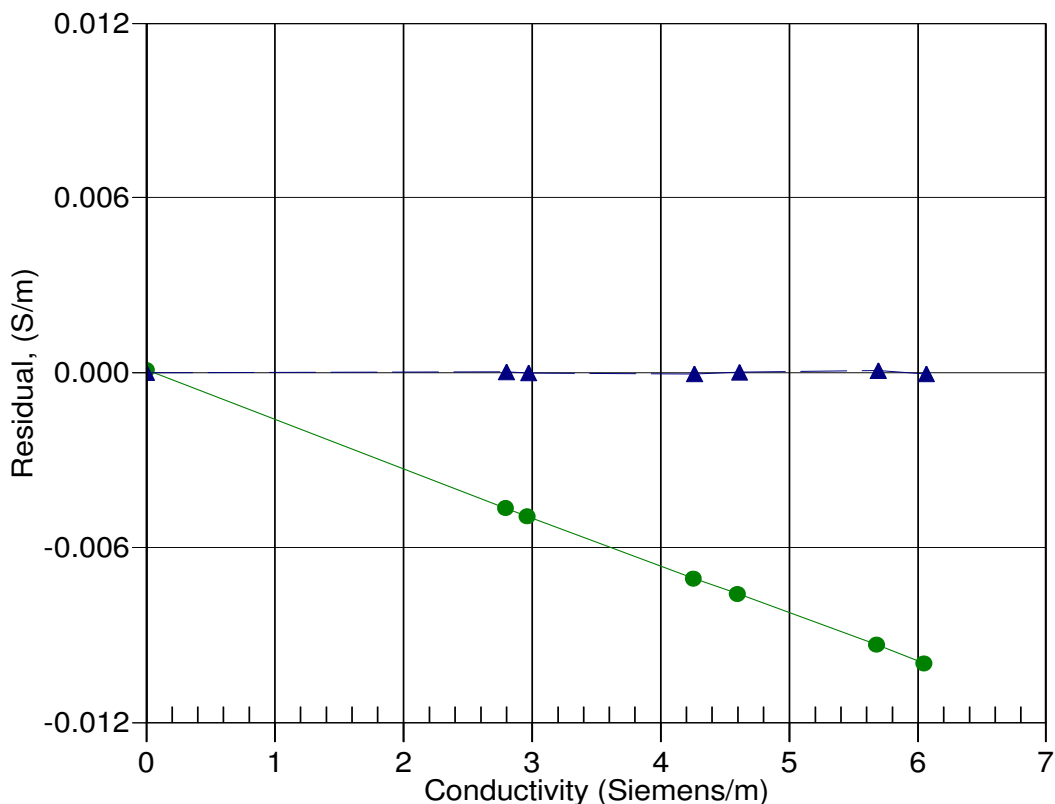
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



21-May-10 1.0016532
22-Jun-12 1.0000000