

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2973
CALIBRATION DATE: 26-Oct-12

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

GHIJ COEFFICIENTS

g = -9.96027889e+000
h = 1.34616352e+000
i = 5.85658920e-005
j = 6.74097241e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.11009383e-004
b = 1.34613082e+000
c = -9.96014973e+000
d = -8.34438120e-005
m = 3.8
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	2.71945	0.00000	0.00000
-1.0000	34.6190	2.79016	5.29906	2.79019	0.00003
1.0000	34.6202	2.96080	5.41693	2.96077	-0.00003
15.0000	34.6205	4.25013	6.23588	4.25010	-0.00003
18.5000	34.6199	4.59512	6.43727	4.59513	0.00002
29.0000	34.6164	5.67325	7.02921	5.67329	0.00003
32.5000	34.6080	6.04376	7.22130	6.04374	-0.00003

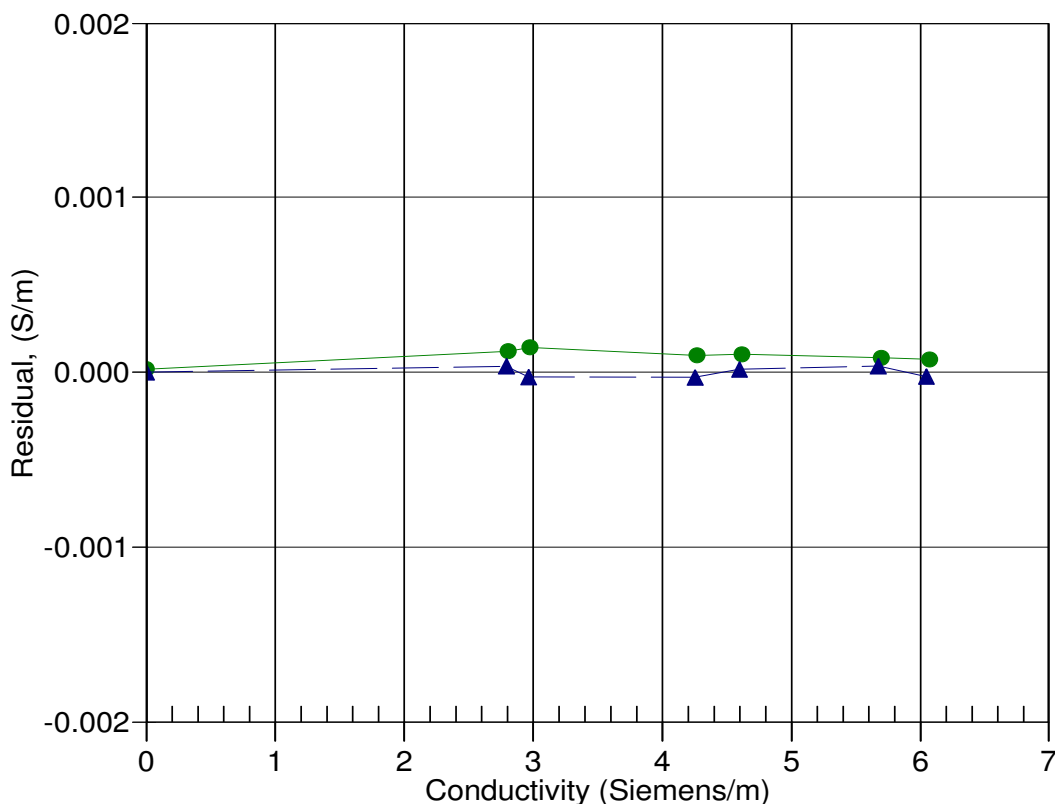
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



15-Aug-12 0.9999797
26-Oct-12 1.0000000