

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2768
CALIBRATION DATE: 14-Feb-12

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

GHIJ COEFFICIENTS

g = -1.06520999e+001
h = 1.52085530e+000
i = -1.15627547e-003
j = 1.99006871e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.73347420e-005
b = 1.51831851e+000
c = -1.06479057e+001
d = -8.73089651e-005
m = 4.8
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	2.64796	0.00000	0.00000
-0.9999	34.9847	2.81688	5.05355	2.81687	-0.00001
1.0001	34.9849	2.98901	5.16422	2.98900	-0.00000
15.0001	34.9849	4.29011	5.93386	4.29013	0.00002
18.5001	34.9845	4.63827	6.12327	4.63830	0.00002
29.0001	34.9824	5.72646	6.68026	5.72637	-0.00009
32.5001	34.9712	6.09995	6.86097	6.10001	0.00006

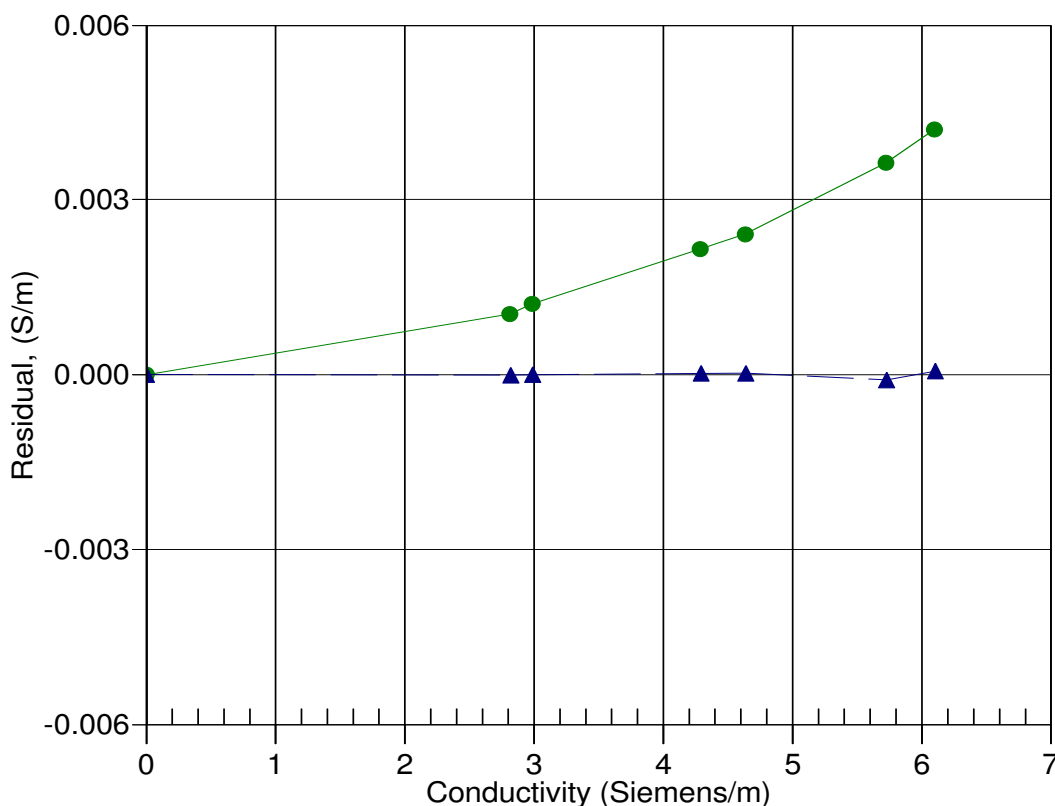
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 20-Apr-11 0.9994214
▲ 14-Feb-12 1.0000000