

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0915
CALIBRATION DATE: 23-Oct-12

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

GHIJ COEFFICIENTS

g = -4.19481427e+000
h = 5.60477290e-001
i = -3.27881575e-004
j = 4.74835880e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 5.95415593e-006
b = 5.59530629e-001
c = -4.19247364e+000
d = -8.87747600e-005
m = 4.6
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	2.73708	0.00000	0.00000
-1.0000	34.8922	2.81012	7.58928	2.81014	0.00002
1.0000	34.8925	2.98186	7.78789	2.98185	-0.00000
15.0000	34.8930	4.28002	9.14907	4.27998	-0.00005
18.5000	34.8926	4.62740	9.47974	4.62741	0.00001
29.0000	34.8897	5.71298	10.44435	5.71306	0.00008
32.5001	34.8806	6.08594	10.75519	6.08589	-0.00005

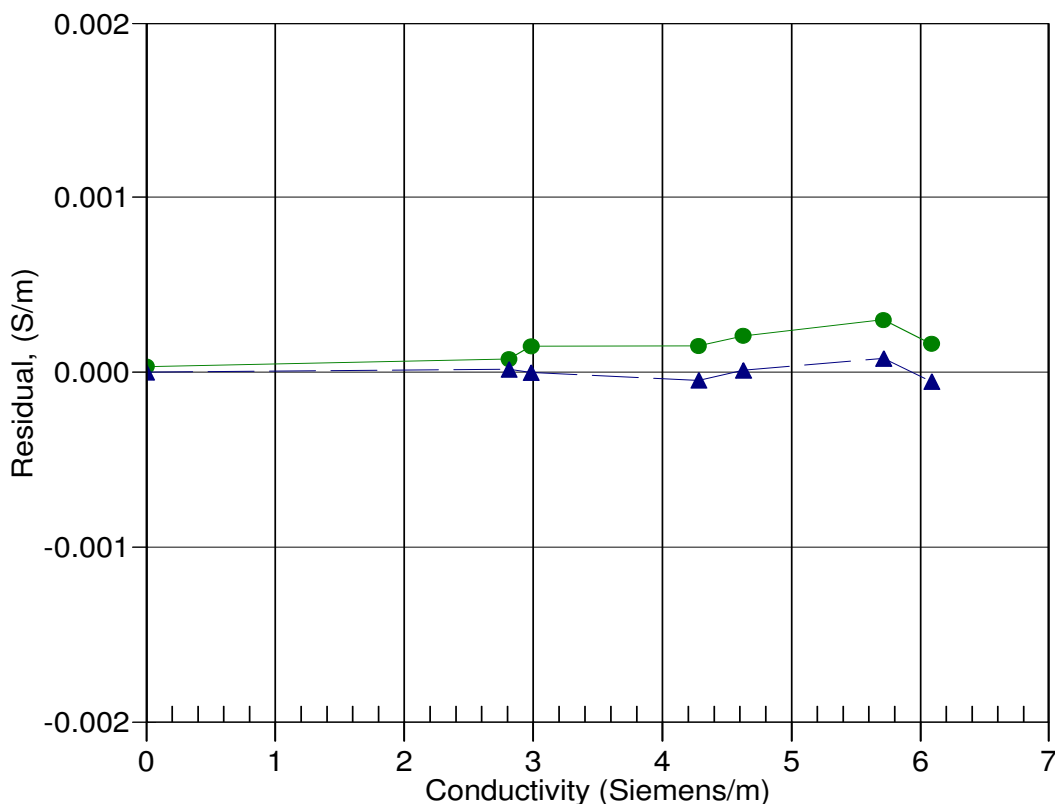
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 11-Nov-10 0.9999608
▲ 23-Oct-12 1.0000000