

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1030
CALIBRATION DATE: 13-Mar-12

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

GHIJ COEFFICIENTS

g = -4.06748195e+000
h = 5.72991585e-001
i = 3.19506160e-005
j = 3.23162111e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 4.39354760e-005
b = 5.73029927e-001
c = -4.06751675e+000
d = -8.31540263e-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	2.66360	0.00000	0.00000
-0.9999	34.7866	2.80242	7.47047	2.80241	-0.00001
1.0001	34.7863	2.97365	7.66656	2.97367	0.00001
15.0001	34.7862	4.26832	9.01007	4.26830	-0.00002
18.5001	34.7854	4.61472	9.33633	4.61473	0.00001
29.0001	34.7843	5.69768	10.28849	5.69770	0.00002
32.5001	34.7789	6.07022	10.59582	6.07020	-0.00001

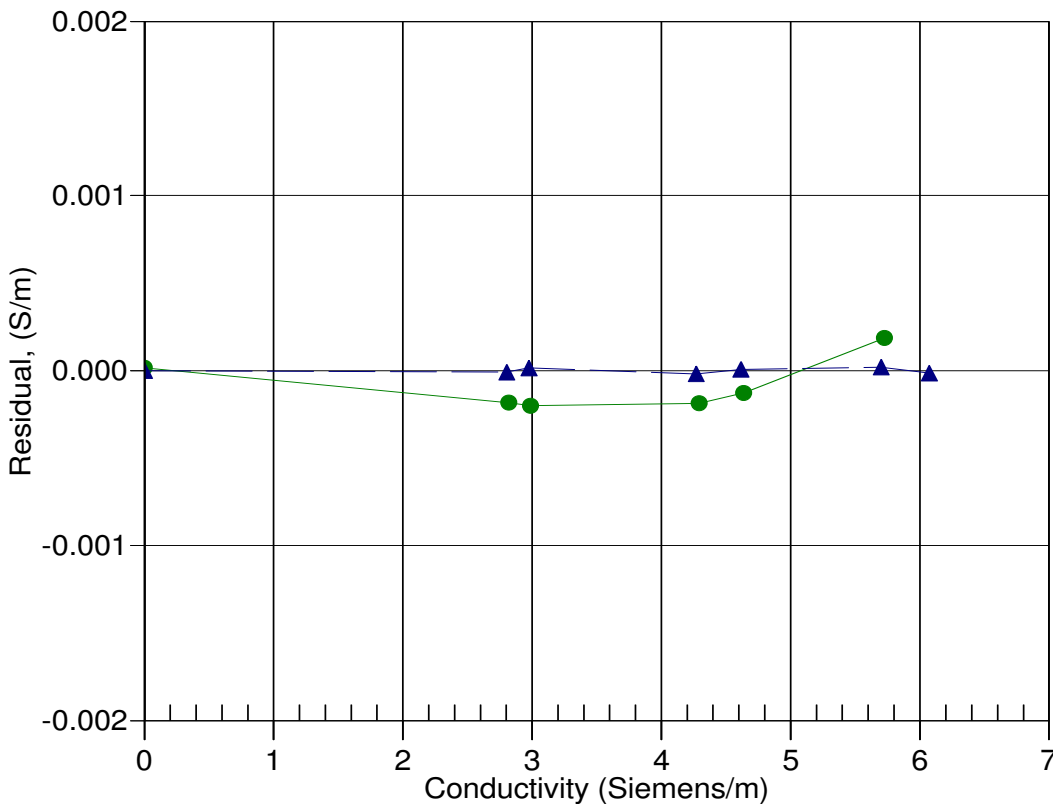
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 09-Feb-11 1.0000161
▲ 13-Mar-12 1.0000000