

Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 3451
CALIBRATION DATE: 25-Jun-13

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

GHIJ COEFFICIENTS

g = -1.02544913e+001
h = 1.59270586e+000
i = -2.45958173e-003
j = 2.93949752e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.04585331e-006
b = 1.58654683e+000
c = -1.02431350e+001
d = -8.67161201e-005
m = 6.1
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	2.54088	0.00000	0.00000
-1.0000	34.7701	2.80120	4.90934	2.80121	0.00000
1.0000	34.7705	2.97242	5.01789	2.97241	-0.00001
15.0000	34.7706	4.26660	5.77238	4.26663	0.00003
18.5000	34.7706	4.61296	5.95795	4.61295	-0.00001
29.0001	34.7699	5.69558	6.50359	5.69555	-0.00003
32.5001	34.7648	6.06804	6.68089	6.06806	0.00002

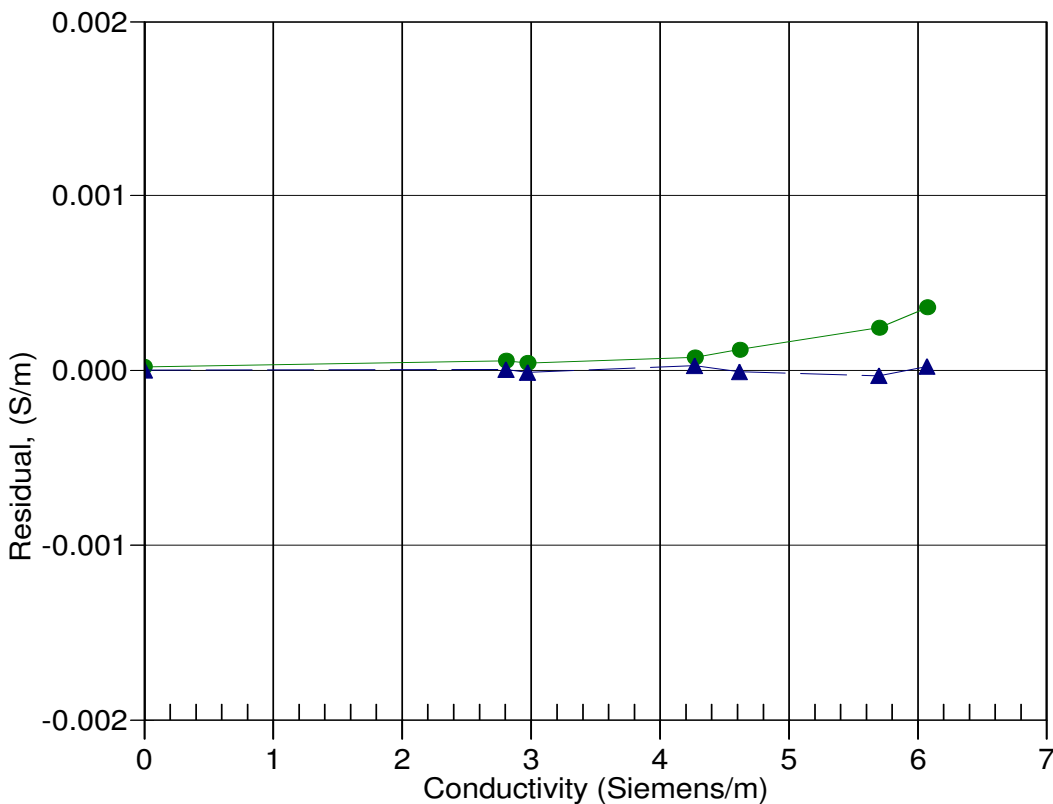
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



07-Dec-11 0.9999625
25-Jun-13 1.0000000