

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: 3568
 CALIBRATION DATE: 14-Dec-13

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

GHIJ COEFFICIENTS

g = -9.86209356e+000
 h = 1.20430364e+000
 i = -1.67080507e-003
 j = 1.80032452e-004
 CPcor = -9.5700e-008 (nominal)
 CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 9.90296662e-007
 b = 1.19954166e+000
 c = -9.85047150e+000
 d = -8.25269312e-005
 m = 5.8
 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	2.86559	0.00000	0.00000
-1.0000	34.7932	2.80289	5.61781	2.80287	-0.00002
1.0000	34.7931	2.97417	5.74332	2.97420	0.00003
15.0000	34.7944	4.26921	6.61480	4.26919	-0.00003
18.5000	34.7940	4.61573	6.82899	4.61573	0.00000
29.0000	34.7926	5.69887	7.45840	5.69891	0.00004
32.5001	34.7880	6.07162	7.66284	6.07160	-0.00002

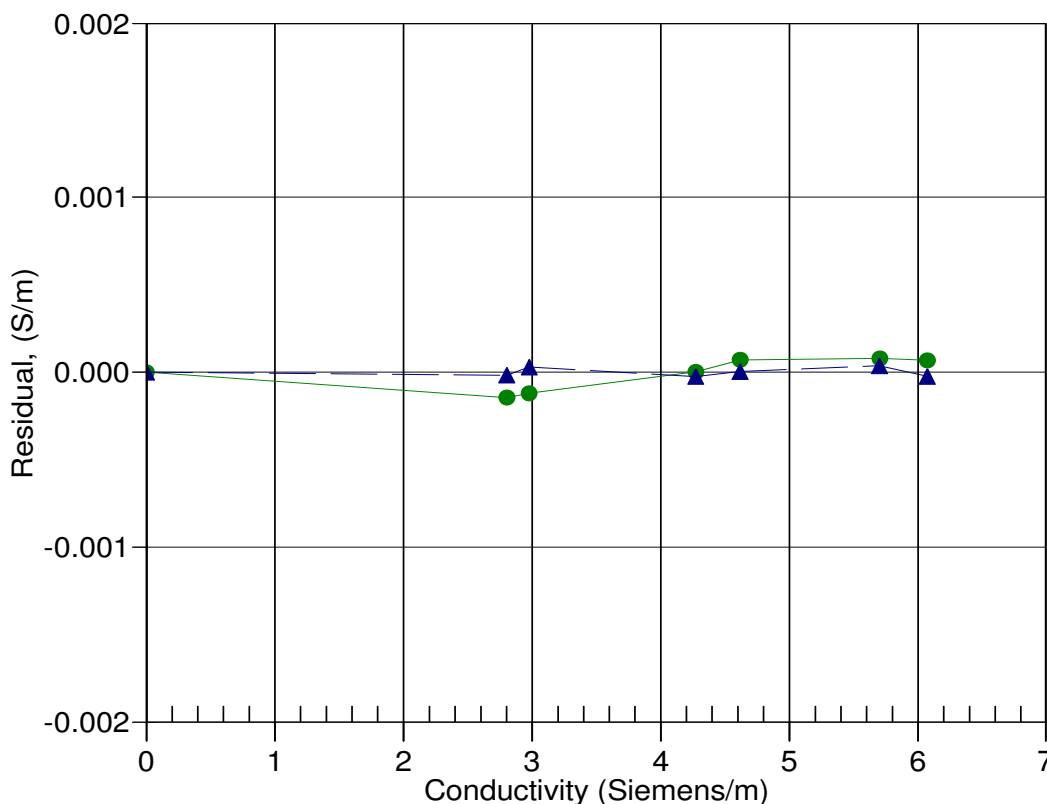
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 21-May-13 0.9999967
▲ 14-Dec-13 1.0000000