

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: 2882
CALIBRATION DATE: 26-Mar-13

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

GHIJ COEFFICIENTS

g = -1.02078806e+001
h = 1.40159485e+000
i = 2.48583447e-004
j = 5.10534905e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.26416481e-004
b = 1.40156417e+000
c = -1.02073225e+001
d = -8.16913271e-005
m = 3.5
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	2.69771	0.00000	0.00000
-1.0000	34.9521	2.81449	5.22601	2.81450	0.00001
1.0000	34.9527	2.98651	5.34175	2.98650	-0.00001
15.0000	34.9528	4.28658	6.14613	4.28658	-0.00001
18.5000	34.9524	4.63447	6.34401	4.63447	-0.00000
29.0001	34.9509	5.72189	6.92592	5.72190	0.00001
32.5000	34.9457	6.09599	7.11503	6.09598	-0.00001

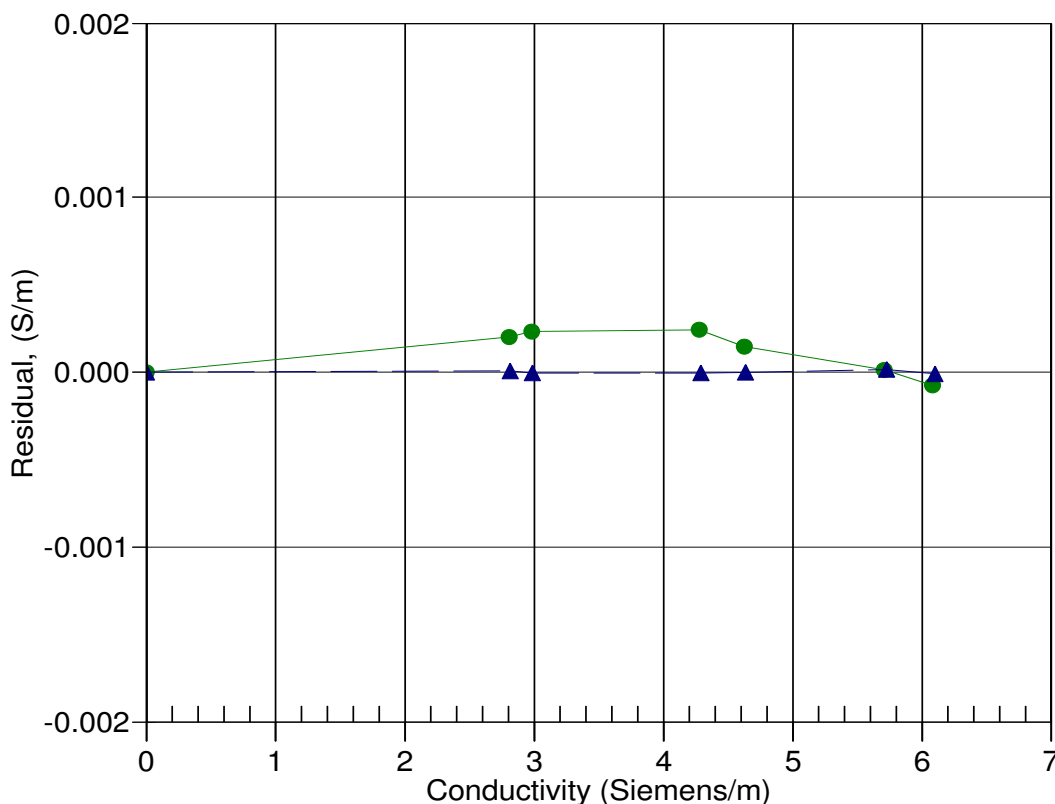
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



04-Jan-12 0.9999796
26-Mar-13 1.0000000