

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: 1896
CALIBRATION DATE: 16-Jan-14

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

GHIJ COEFFICIENTS

g = -4.09576644e+000
h = 5.23357005e-001
i = -1.17079529e-003
j = 8.80165199e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.16305982e-007
b = 5.18794684e-001
c = -4.07920387e+000
d = -6.78318278e-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	2.80444	0.00000	0.00000
-1.0000	34.7821	2.80208	7.86196	2.80206	-0.00002
1.0000	34.7826	2.97336	8.06859	2.97338	0.00003
15.0000	34.7825	4.26791	9.48295	4.26791	0.00000
18.5000	34.7822	4.61433	9.82616	4.61431	-0.00002
29.0001	34.7803	5.69710	10.82691	5.69713	0.00004
32.5001	34.7729	6.06929	11.14935	6.06927	-0.00002

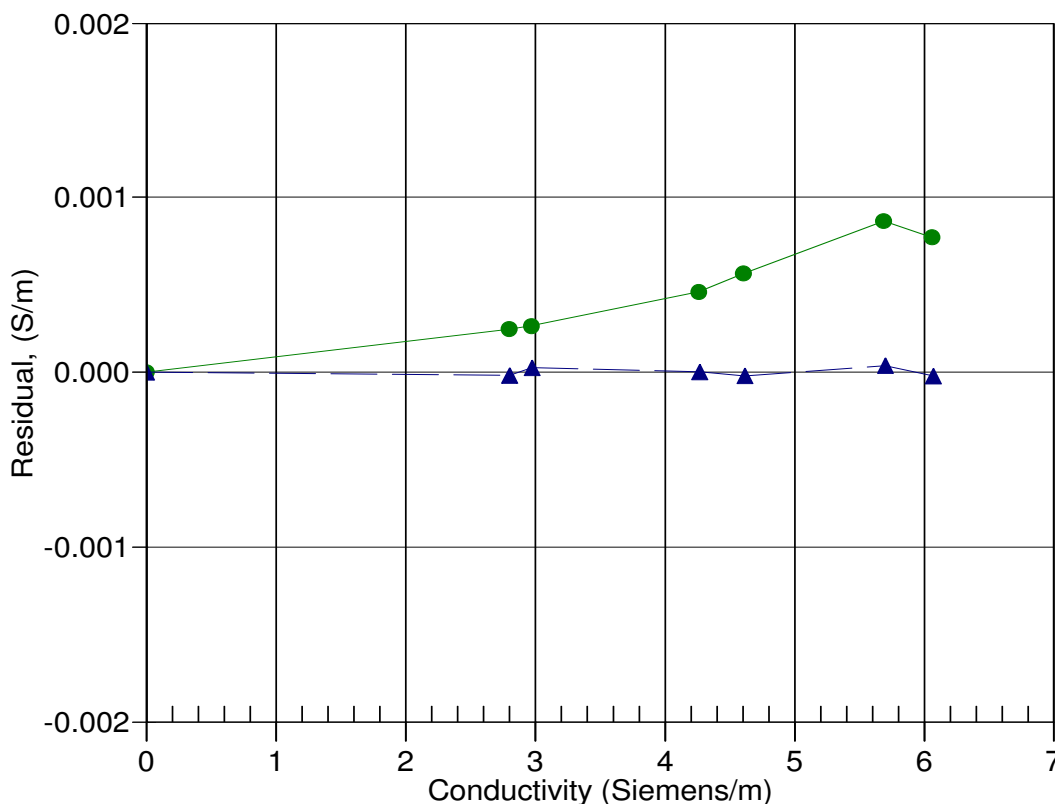
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 12-Jul-12 0.9998754
▲ 16-Jan-14 1.0000000