

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: 1018
 CALIBRATION DATE: 23-Jul-13

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

GHIJ COEFFICIENTS

g = -4.08872971e+000
 h = 4.62705116e-001
 i = -4.52882350e-004
 j = 4.83352968e-005
 CPcor = -9.5700e-008 (nominal)
 CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.21886234e-006
 b = 4.61189499e-001
 c = -4.08408886e+000
 d = -9.42988152e-005
 m = 4.9
 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	2.97559	0.00000	0.00000
-1.0000	34.9131	2.81165	8.34655	2.81169	0.00004
1.0001	34.9136	2.98350	8.56553	2.98347	-0.00003
15.0001	34.9145	4.28239	10.06560	4.28231	-0.00009
18.5000	34.9145	4.62999	10.42984	4.63004	0.00006
29.0001	34.9139	5.71651	11.49168	5.71658	0.00007
32.5000	34.9079	6.09015	11.83399	6.09010	-0.00005

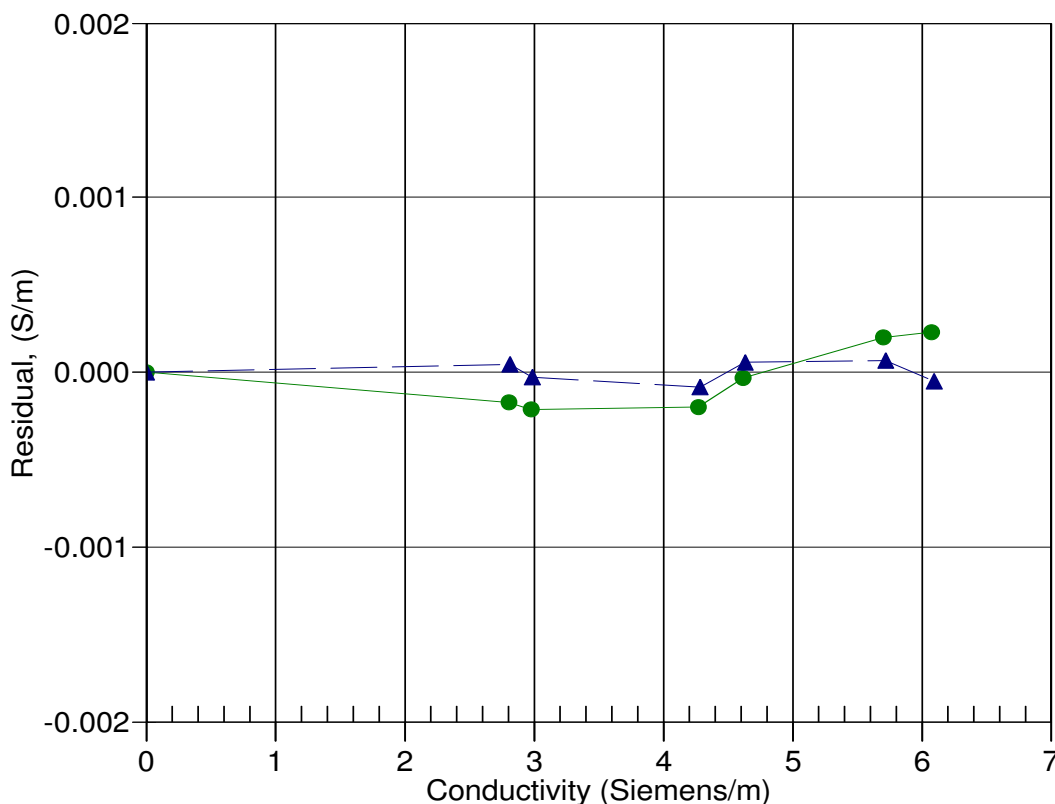
$$\text{Conductivity} = (g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p) \text{ Siemens/meter}$$

$$\text{Conductivity} = (af^m + bf^2 + c + dt) / [10 (1 + \epsilon p)] \text{ Siemens/meter}$$

t = temperature[°C]; p = pressure[decibars]; δ = CTcor; ϵ = CPcor;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients

Date, Slope Correction



● 13-Mar-12 0.9999969
▲ 23-Jul-13 1.0000000