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: 3114
CALIBRATION DATE: 11-Jan-12

SBE16 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

g = −4.11236651e+000
h = 4.89551583e−001
i = 1.58636390e−003
j = −3.85696622e−005
CPcor = −9.5700e−008 (nominal)
CTcor = 3.2500e−006 (nominal)

ABCDM COEFFICIENTS

a = 6.77518416e−002
b = 4.16020680e−001
c = −4.08978556e+000
d = −1.13849058e−004
m = 2.1
CPcor = −9.5700e−008 (nominal)

| BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREO (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2.88580	0.00000	0.00000
0.9999	34.9075	2.98301	8.23918	2.98298	−0.00003
4.5000	34.8868	3.29072	8.60174	3.29075	0.00003
14.9999	34.8423	4.27445	9.66840	4.27445	−0.00000
18.5000	34.8321	4.62024	10.01597	4.62024	−0.00000
24.0000	34.8201	5.17913	10.55321	5.17911	−0.00002
29.0000	34.8102	5.70143	11.03135	5.70145	0.00002
32.5000	34.8018	6.07375	11.35969	6.07374	−0.00001

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

Conductivity = $(af^m + bf^2 + c + dt) / [10(1 + \varepsilon p)$ 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
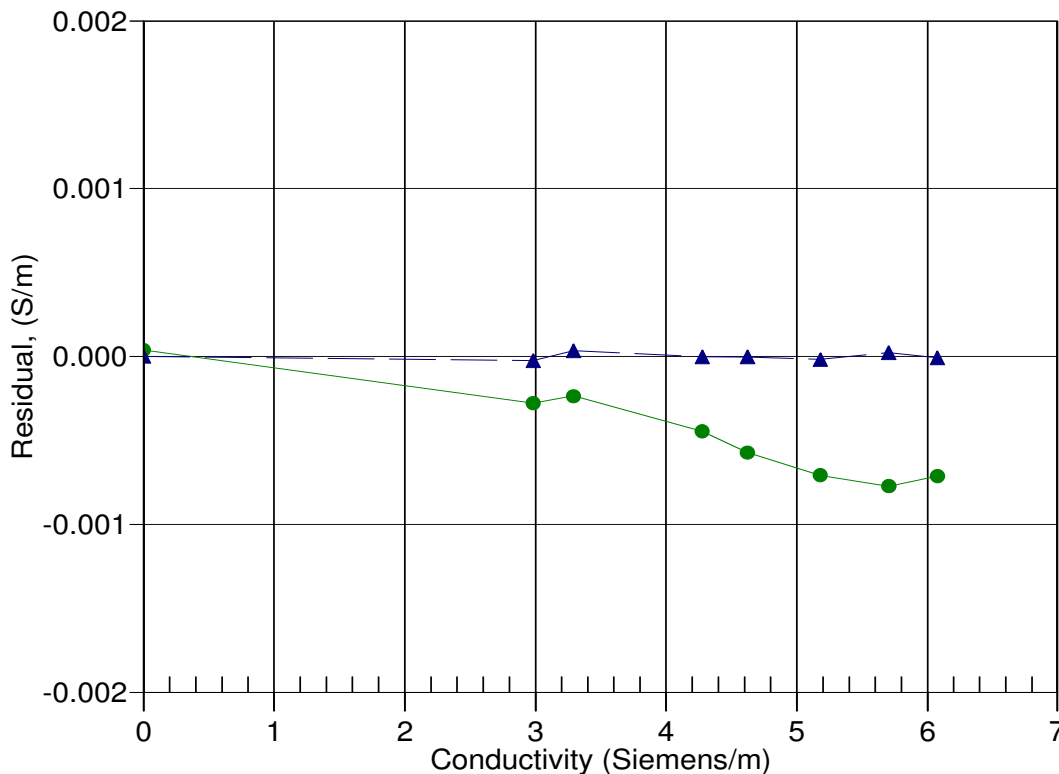
Legend:
- ● 11-Dec-09 1.0001193
- ▲ 11-Jan-12 1.0000000