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: 1858 CALIBRATION DATE: 21-Jan-12 SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

32.5000

g = -1.037836e + 000	CPcor = -9.5700e-008
h = 1.457903e-001	CTcor = 3.2500e-006
i = -2.634965e - 004	WBOTC = $4.6484e-006$
j = 4.585666e - 005	

6.03399

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREO (Hz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2671.40	0.0000	0.00000
0.9999	34.6395	2.96228	5240.24	2.96225	-0.00003
4.4999	34.6186	3.26790	5435.94	3.26794	0.00005
15.0000	34.5744	4.24507	6018.01	4.24505	-0.00002
18.5000	34.5650	4.58862	6209.38	4.58861	-0.00001
24.0000	34.5546	5.14398	6506.48	5.14399	0.00001
29.0000	34.5485	5.66337	6772.14	5.66338	0.00001

6955.27

6.03399

-0.00001

f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

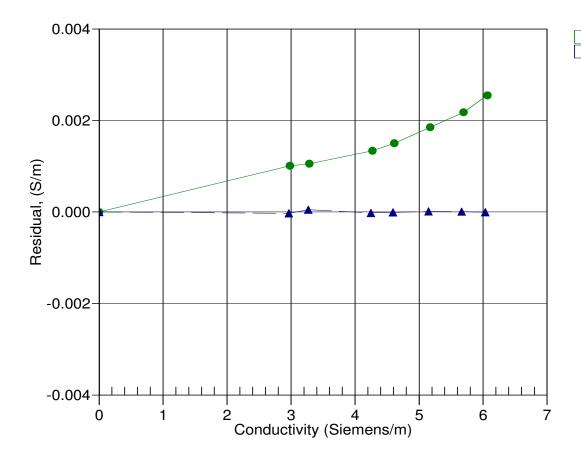
34.5449

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

 $t = temperature[°C)]; p = pressure[decibars]; \delta = CTcor; \epsilon = CPcor;$

Residual = instrument conductivity - bath conductivity

Date, Slope Correction



21-Dec-10 0.9996360 21-Jan-12 1.0000000