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: 2318 CALIBRATION DATE: 10-Dec-11

SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.722048e - 001	CPcor = -9.5700e-008
h = 1.449219e - 001	CTcor = 3.2500e-006
i = -1.449430e - 004	WBOTC = $6.0140e-006$
j = 3.464142e - 005	

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	2591.18	0.00000	0.00000
1.0000	34.8490	2.97849	5217.83	2.97850	0.00001
4.5000	34.8279	3.28571	5416.04	3.28570	-0.00001
15.0000	34.7821	4.26786	6005.14	4.26786	-0.00001
18.5000	34.7708	4.61298	6198.57	4.61299	0.00000
24.0000	34.7580	5.17091	6498.77	5.17092	0.00001
29 0000	34 7478	5.69236	6766.95	5.69236	-0.00001

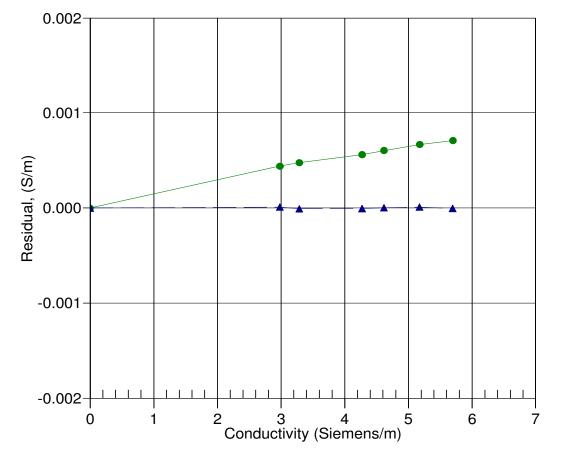
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

Residual = instrument conductivity - bath conductivity

Date, Slope Correction



● 02-Aug-07 0.9998689 10-Dec-11 1.0000000