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: 2341 CALIBRATION DATE: 06-Feb-14

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

COEFFICIENTS:

g = -1.030538e + 000	CPcor = -9.5700e-008
h = 1.545949e - 001	CTcor = 3.2500e-006
i = -1.531143e - 004	WBOTC = $4.0978e-006$
j = 4.046105e - 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	2582.80	0.0000	0.00000
1.0000	34.6850	2.96581	5079.95	2.96579	-0.00001
4.5000	34.6651	3.27186	5270.02	3.27188	0.00002
15.0000	34.6223	4.25033	5835.41	4.25034	0.00001
18.5000	34.6129	4.59429	6021.25	4.59427	-0.00001
24.0000	34.6024	5.15031	6309.80	5.15031	-0.00000
29.0000	34.5961	5.67030	6567.83	5.67030	0.00000
32.5000	34.5917	6.04124	6745.67	6.04124	0.00000

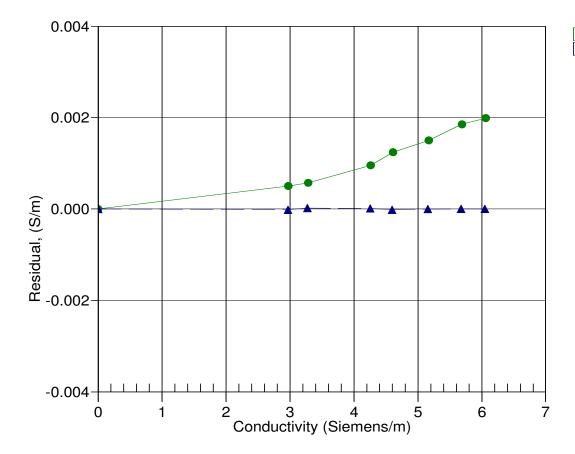
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

Residual = instrument conductivity - bath conductivity

Date, Slope Correction



12-Dec-12 0.9997195 06-Feb-14 1.0000000