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: 2023 CALIBRATION DATE: 05-Feb-14

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

COEFFICIENTS:

g =	-1.035223e+000	CPcor :	= -9.5700e - 008
h =	1.486247e-001	CTcor :	= 3.2500e-006
i =	1.046378e-004	WBOTC :	= -2.5476e - 005
j =	2.733909e-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	2635.81	0.0000	0.00000
1.0000	34.6873	2.96599	5166.66	2.96602	0.00003
4.5000	34.6678	3.27209	5359.52	3.27206	-0.00003
15.0000	34.6263	4.25076	5933.45	4.25072	-0.00004
18.5000	34.6176	4.59485	6122.18	4.59486	0.00001
24.0000	34.6081	5.15107	6415.21	5.15112	0.00005
29.0000	34.6024	5.67121	6677.22	5.67119	-0.00002
32.5000	34.5986	6.04231	6857.87	6.04230	-0.00000

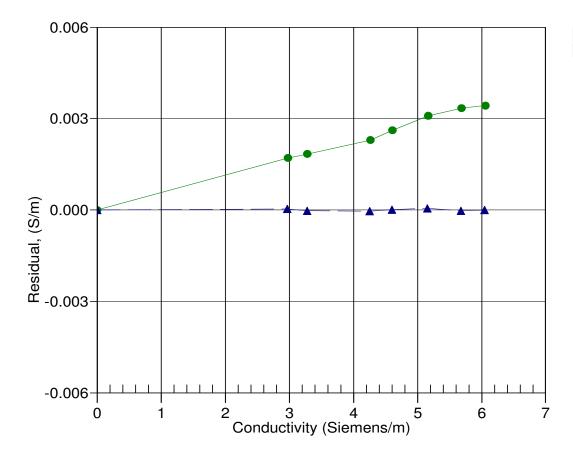
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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



13-Jan-12 0.999427905-Feb-14 1.0000000