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: 2331 CALIBRATION DATE: 17-Dec-11 SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.658510e - 001	CPcor = -9.5700e-008
h = 1.371035e-001	CTcor = 3.2500e-006
i = -2.837709e-004	WBOTC = $-4.4193e-006$

j = 4.567687e - 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	2658.50	0.0000	0.00000
1.0000	34.9710	2.98792	5374.15	2.98793	0.00001
4.5000	34.9508	3.29616	5578.88	3.29619	0.00003
15.0000	34.9065	4.28150	6186.92	4.28136	-0.00015
18.5000	34.8961	4.62781	6386.67	4.62788	0.00007
24.0000	34.8842	5.18761	6696.41	5.18771	0.00010
29.0000	34.8742	5.71073	6972.90	5.71068	-0.00006

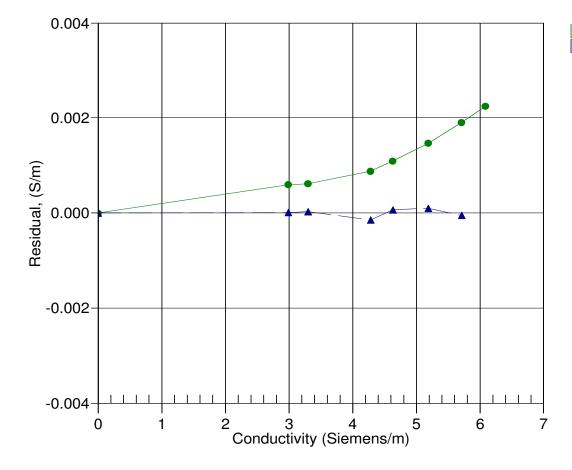
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

Residual = instrument conductivity - bath conductivity

Date, Slope Correction



09-Jan-09 0.999713517-Dec-11 1.0000000