SEA-BIRD ELECTRONICS, INC.

13431 NE 20th Street, Bellevue, Washington, 98005-2010 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 2357 CALIBRATION DATE: 19-Aug-11 SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.083521e+000	CPcor = -9.5700e-008
h = 1.687183e-001	CTcor = 3.2500e-006
i = -2.329261e-004	WBOTC = $1.0910e-005$
j = 4.934067e - 005	

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (Hz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2535.93	0.0000	0.00000
1.0000	34.9919	2.98954	4912.66	2.98952	-0.00002
4.4999	34.9715	3.29791	5094.47	3.29794	0.00003
15.0000	34.9279	4.28385	5635.65	4.28382	-0.00003
18.5000	34.9186	4.63047	5813.70	4.63049	0.00001
24.0000	34.9080	5.19075	6090.16	5.19076	0.00000
29.0000	34.9006	5.71457	6337.39	5.71457	-0.00000

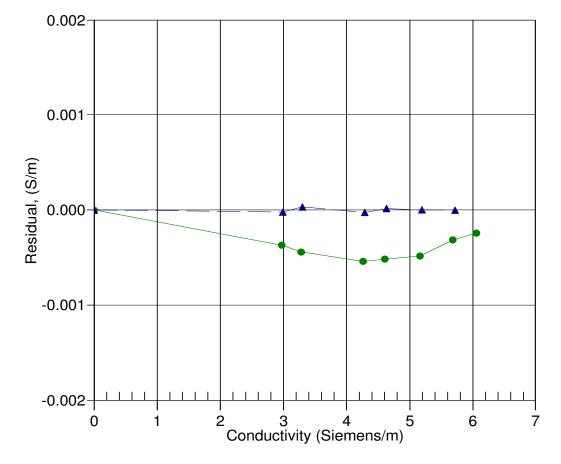
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

Residual = instrument conductivity - bath conductivity

Date, Slope Correction



18-Dec-09 1.0000841 19-Aug-11 1.0000000