Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3768 CALIBRATION DATE: 10-Dec-11 SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.047872e + 000	CPcor = -9.5700e-008
h = 1.629651e-001	CTcor = 3.2500e-006
i = -3.974871e - 004	WBOTC = $-7.3132e-006$
j = 6.207189e - 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	2540.71	0.0000	0.00000
1.0000	34.8530	2.97880	4977.56	2.97881	0.00001
4.5000	34.8327	3.28612	5163.40	3.28611	-0.00001
15.0000	34.7889	4.26861	5716.40	4.26861	-0.00000
18.4999	34.7787	4.61391	5898.16	4.61392	0.00001
24.0000	34.7660	5.17197	6180.29	5.17197	-0.00000
29.0000	34.7568	5.69367	6432.51	5.69367	-0.00000

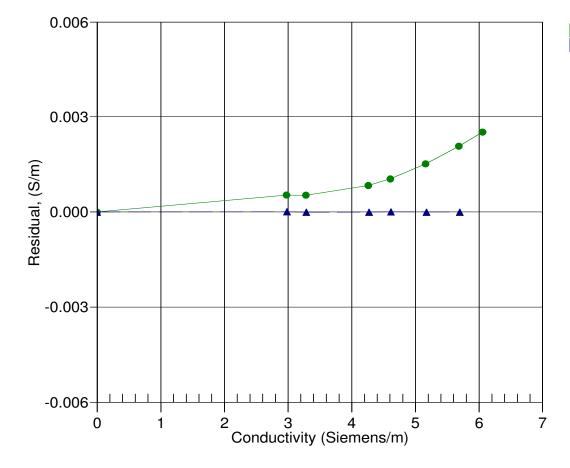
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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



13-Jan-09 0.9996991 10-Dec-11 1.0000000