Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3768 CALIBRATION DATE: 07-Feb-14

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

COEFFICIENTS:

g = -1.046135e+000	CPcor = -9.5700e-008
h = 1.621082e-001	CTcor = 3.2500e-006
i = -1.108971e - 004	WBOTC = $-7.3132e-006$
j = 3.791645e - 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	2540.83	0.0000	0.00000
1.0000	34.7303	2.96931	4971.08	2.96932	0.00000
4.4999	34.7106	3.27572	5156.54	3.27573	0.00000
15.0000	34.6681	4.25535	5708.51	4.25534	-0.00001
18.5000	34.6590	4.59975	5890.04	4.59975	0.00000
23.9999	34.6489	5.15646	6171.94	5.15647	0.00001
29.0001	34.6428	5.67710	6424.09	5.67710	-0.00000
32.5001	34.6392	6.04860	6597.96	6.04860	-0.00000

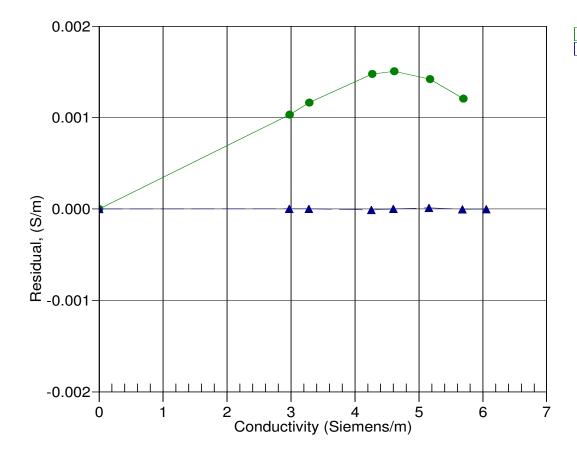
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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

 $t = temperature[^{\circ}C)$; p = pressure[decibars]; $\delta = CTcor$; $\epsilon = CPcor$;

Residual = instrument conductivity - bath conductivity

Date, Slope Correction



10-Dec-11 0.9997100 07-Feb-14 1.0000000