Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1678 CALIBRATION DATE: 08-Feb-14

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

COEFFICIENTS:

g = -9.838852e - 001	CPcor = -9.5700e-008
h = 1.371671e-001	CTcor = 3.2500e-006
i = -1.735777e - 004	WBOTC = $4.8508e-006$
j = 3.678185e - 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	2680.05	0.00000	0.0000
1.0000	34.8344	2.97736	5371.40	2.97737	0.00001
4.5000	34.8146	3.28458	5574.82	3.28457	-0.00001
15.0000	34.7728	4.26684	6179.48	4.26683	-0.00002
18.5000	34.7640	4.61218	6378.11	4.61218	0.00000
24.0000	34.7546	5.17046	6686.37	5.17047	0.00001
29.0000	34.7495	5.69261	6961.92	5.69261	0.00001
32.5000	34.7463	6.06516	7151.78	6.06515	-0.00001

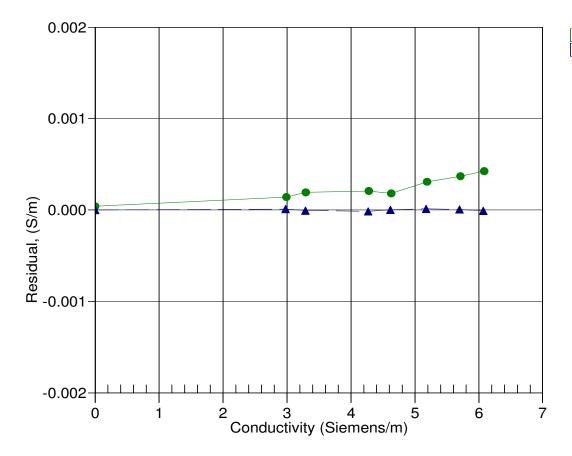
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

Residual = instrument conductivity - bath conductivity

Date, Slope Correction



11-Dec-12 0.9999420 ▲ 08-Feb-14 1.0000000