Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2323 CALIBRATION DATE: 05-Feb-14 SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.764835e-001	CPcor = -9.5700e-008
h = 1.485049e - 001	CTcor = 3.2500e-006
i = -1.238845e - 004	WBOTC = $6.7914e-006$
j = 3.691526e - 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	2564.72	0.0000	0.00000
1.0000	34.7364	2.96979	5149.01	2.96978	-0.00000
4.5000	34.7166	3.27624	5344.25	3.27625	0.00001
15.0000	34.6741	4.25601	5924.48	4.25600	-0.00001
18.5000	34.6649	4.60045	6115.07	4.60044	-0.00000
24.0000	34.6546	5.15723	6410.85	5.15723	0.00001
29.0000	34.6484	5.67791	6675.22	5.67791	0.00000
32.4999	34.6446	6.04942	6857.40	6.04941	-0.00001

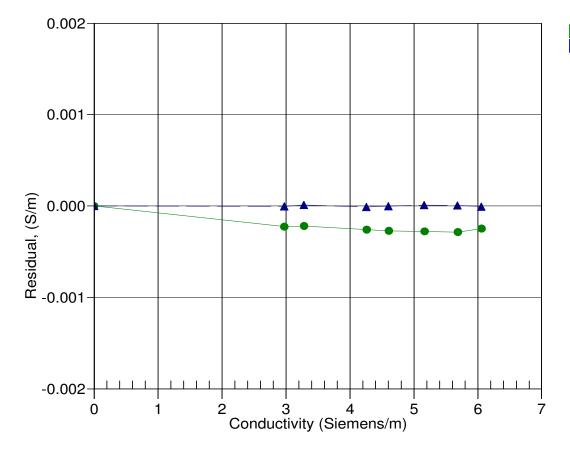
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

Residual = instrument conductivity - bath conductivity

Date, Slope Correction



12-Dec-12 1.0000538 05-Feb-14 1.0000000