SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2333 CALIBRATION DATE: 23-Aug-11 SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.844297e - 001	CPcor = -9.5700e-008
h = 1.538358e - 001	CTcor = 3.2500e-006
i = -2.654930e - 004	WBOTC = $9.2476e-006$
j = 5.054568e - 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	2532.28	0.0000	0.00000
1.0000	35.0117	2.99107	5084.26	2.99108	0.00001
4.4999	34.9912	3.29958	5276.93	3.29959	0.00000
15.0000	34.9477	4.28602	5849.56	4.28598	-0.00004
18.5000	34.9385	4.63283	6037.65	4.63280	-0.00002
23.9999	34.9282	5.19342	6329.52	5.19346	0.00004
29.0000	34.9220	5.71768	6590.36	5.71772	0.00004
32.4999	34.9181	6.09172	6770.03	6.09168	-0.00004

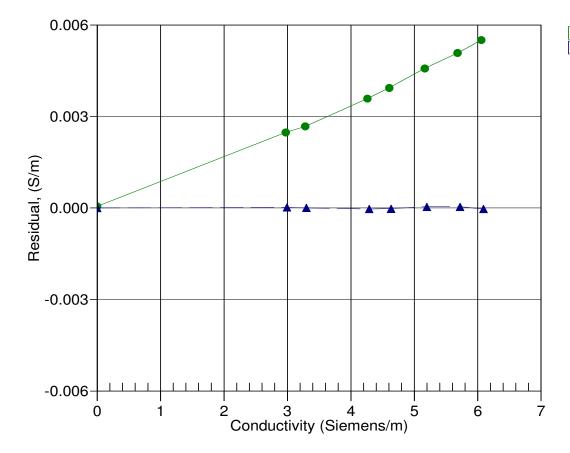
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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 0.9991254 23-Aug-11 1.0000000