Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1866 CALIBRATION DATE: 15-Jan-12 SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.733154e - 001	CPcor = -9.5700e-008
h = 1.348674e - 001	CTcor = 3.2500e-006
i = -1.660543e - 004	WBOTC = $2.9139e-006$
j = 3.489526e - 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	2688.27	0.0000	0.00000
1.0000	34.7182	2.96838	5403.70	2.96837	-0.00001
4.5000	34.6976	3.27463	5608.78	3.27465	0.00002
15.0000	34.6544	4.25385	6218.26	4.25384	-0.00001
18.5000	34.6446	4.59804	6418.42	4.59804	-0.00000
24.0000	34.6333	5.15440	6729.01	5.15440	-0.00001
29.0000	34.6255	5.67457	7006.56	5.67459	0.00002
32.5000	34.6185	6.04539	7197.63	6.04538	-0.00001

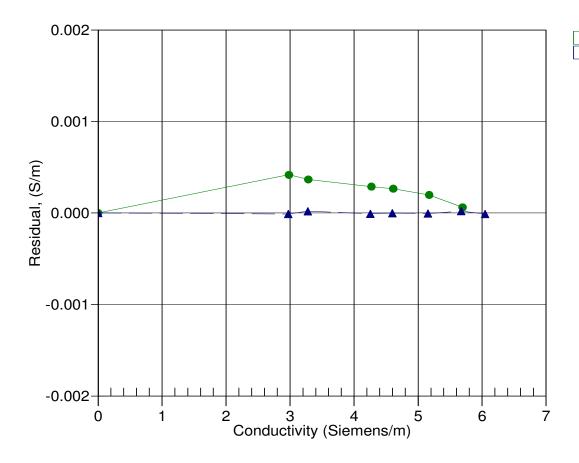
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

Residual = instrument conductivity - bath conductivity

Date, Slope Correction



21-Dec-10 0.999947415-Jan-12 1.0000000