SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1866 CALIBRATION DATE: 21-Dec-10 SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g =	-9.725829e-001	CPcor =	-9.5700e-008
h =	1.347183e-001	CTcor =	3.2500e-006
i =	-1.404995e-004	WBOTC =	2.9139e-006
j =	3.394950e-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	2688.13	0.0000	0.00000
1.0000	34.8587	2.97924	5411.40	2.97926	0.00002
4.5000	34.8384	3.28660	5616.87	3.28658	-0.00002
15.0000	34.7943	4.26920	6227.50	4.26918	-0.00002
18.5000	34.7846	4.61462	6428.05	4.61462	0.00001
23.9999	34.7730	5.17289	6739.18	5.17291	0.00002
29.0000	34.7660	5.69501	7017.25	5.69499	-0.00001

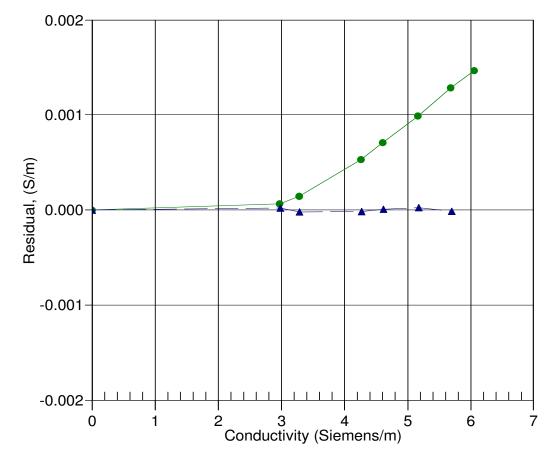
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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



● 01-Feb-05 0.9998227 ▲ 21-Dec-10 1.0000000