## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3765 CALIBRATION DATE: 18-Jan-12 SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

## **COEFFICIENTS:**

g = -1.029535e+000	CPcor = -9.5700e-008
h = 1.418575e - 001	CTcor = 3.2500e-006
i = -3.096324e-004	WBOTC = $-8.7050e-006$
j = 4.378922e-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	2699.16	0.0000	0.00000
0.9997	34.9500	2.98627	5328.28	2.98629	0.00002
15.0000	34.8847	4.27911	6123.36	4.27907	-0.00005
18.5000	34.8748	4.62529	6319.00	4.62529	0.00000
24.0000	34.8635	5.18487	6622.68	5.18490	0.00003
29.0000	34.8553	5.70799	6894.13	5.70802	0.00003
32.5000	34.8479	6.08088	7081.04	6.08084	-0.00003

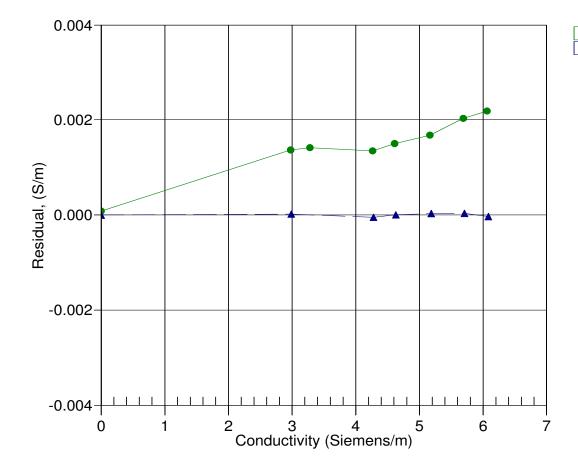
f = INST FREQ \* sqrt(1.0 + WBOTC \* t) / 1000.0

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-Aug-09 0.9996463 ▲ 18-Jan-12 1.0000000