Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0041 CALIBRATION DATE: 25-Sep-13

SBE GLIDER PAYLOAD CTD CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.795938e-001 h = 1.507048e-001 i = -4.739525e-004j = 5.830725e-005 CPcor = -9.5700e-008 CTcor = 3.2500e-006 WBOTC = 1.9558e-007

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	2556.57	0.0000	0.00000
1.0000	34.7558	2.97129	5135.48	2.97131	0.00003
15.0000	34.6936	4.25815	5910.42	4.25809	-0.00006
18.5000	34.6847	4.60279	6100.94	4.60275	-0.00004
24.0000	34.6749	5.15991	6396.63	5.15997	0.00006
29.0000	34.6696	5.68099	6660.93	5.68108	0.00009
32.5000	34.6667	6.05285	6842.99	6.05277	-0.00008

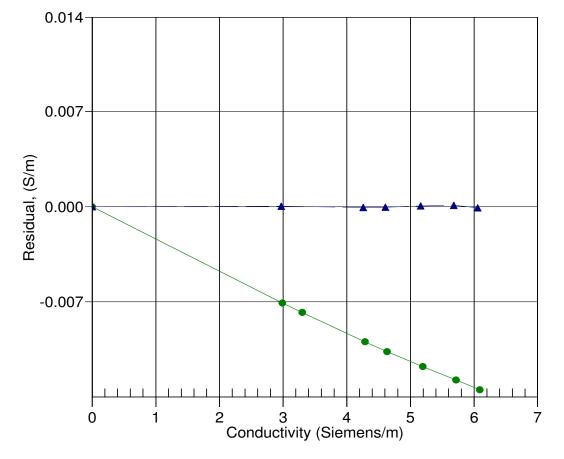
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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



03-Nov-11 1.0022750 25-Sep-13 1.0000000