## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2024 CALIBRATION DATE: 10-Dec-11 SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

## COEFFICIENTS:

g = -9.943546e - 001	CPcor = -9.5700e-008
h = 1.473585e-001	CTcor = 3.2500e-006
i = -1.454337e - 004	WBOTC = $3.8161e-006$
j = 3.729646e - 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	2598.67	0.0000	0.00000
1.0000	34.8490	2.97849	5187.95	2.97850	0.00000
4.5000	34.8279	3.28571	5383.91	3.28571	0.00000
15.0000	34.7821	4.26786	5966.44	4.26784	-0.00002
18.5000	34.7708	4.61298	6157.77	4.61300	0.00001
24.0000	34.7580	5.17091	6454.74	5.17093	0.00002
29.0000	34.7478	5.69236	6720.05	5.69235	-0.00002
32.4999	34.7388	6.06399	6902.72	6.06400	0.00000

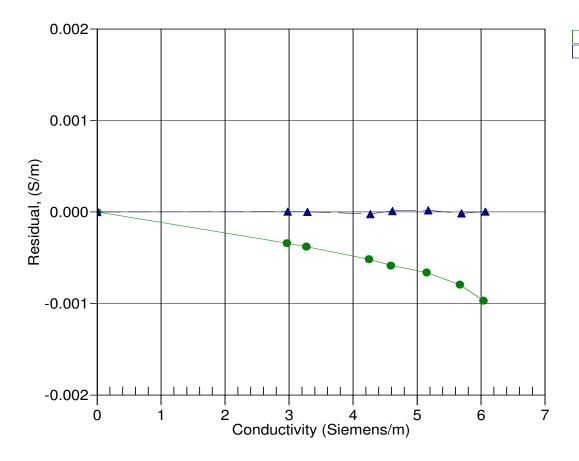
f = INST FREQ \* sqrt(1.0 + WBOTC \* t) / 1000.0

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



● 05-Jan-11 1.0001360 ▲ 10-Dec-11 1.0000000