Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2324 CALIBRATION DATE: 09-Dec-11 SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.024343e+000	CPcor = -9.5700e-008
h = 1.522651e-001	CTcor = 3.2500e-006
i = -3.722729e-005	WBOTC = $-4.5315e-006$
j = 3.283821e-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	2592.79	0.0000	0.0000
1.0000	34.9860	2.98908	5122.77	2.98910	0.00002
4.4999	34.9656	3.29741	5314.93	3.29739	-0.00002
15.0000	34.9212	4.28312	5886.53	4.28309	-0.00003
18.5000	34.9111	4.62958	6074.39	4.62958	0.00000
24.0000	34.8997	5.18966	6366.05	5.18968	0.00002
29.0000	34.8919	5.71330	6626.78	5.71332	0.00002
32.5000	34.8848	6.08658	6806.34	6.08656	-0.00002

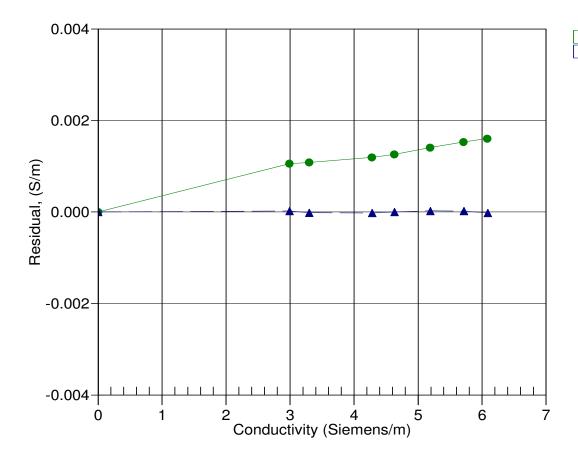
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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



● 11-Dec-09 0.9997219 ▲ 09-Dec-11 1.0000000