Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2322 CALIBRATION DATE: 04-Feb-14

SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.070799e+000	CPcor = -9.5700e-008
h = 1.504471e-001	CTcor = 3.2500e-006
i = -4.051796e - 005	WBOTC = $3.3120e-006$
j = 2.779028e-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	2666.96	0.0000	0.00000
1.0000	34.6713	2.96475	5170.01	2.96475	0.00000
4.5000	34.6514	3.27070	5361.53	3.27069	-0.00000
15.0000	34.6087	4.24883	5931.77	4.24882	-0.00001
18.5000	34.5997	4.59273	6119.39	4.59273	0.00001
24.0000	34.5899	5.14866	6410.79	5.14867	0.00001
29.0000	34.5845	5.66861	6671.52	5.66861	-0.00000
32.4999	34.5817	6.03968	6851.35	6.03968	-0.00000

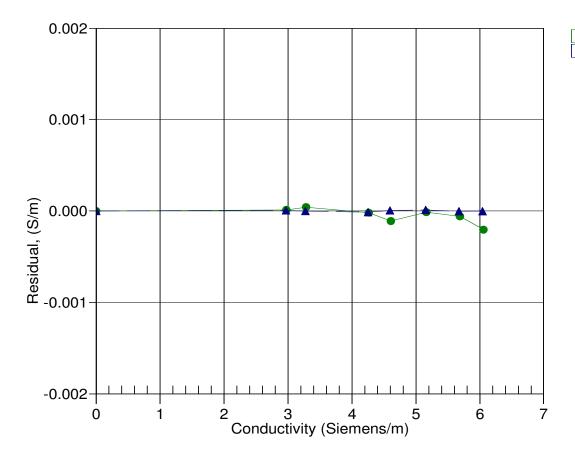
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

Conductivity = $(g + hf^2 + if^3 + jf^4) / (1 + \delta t + \epsilon p)$ Siemens/meter

 $t = temperature[°C)]; p = pressure[decibars]; \delta = CTcor; \varepsilon = CPcor;$

Residual = instrument conductivity - bath conductivity

Date, Slope Correction



11-Dec-12 1.0000134 ▲ 04-Feb-14 1.0000000