Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1851 CALIBRATION DATE: 07-Feb-14

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

COEFFICIENTS:

g = -1.029017e+000	CPcor = -9.5700e-008
h = 1.406418e-001	CTcor = 3.2500e-006
i = -1.835608e - 004	WBOTC = $2.6784e-006$
j = 3.689709e - 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	2707.02	0.0000	0.00000
1.0000	34.7303	2.96931	5330.59	2.96933	0.00002
4.4999	34.7106	3.27572	5530.19	3.27570	-0.00002
15.0000	34.6681	4.25535	6124.04	4.25533	-0.00002
18.5000	34.6590	4.59975	6319.27	4.59977	0.00002
23.9999	34.6489	5.15646	6622.30	5.15647	0.00001
29.0001	34.6428	5.67710	6893.29	5.67709	-0.00001

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-12 0.9998087

