Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2321 CALIBRATION DATE: 13-Dec-11

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

COEFFICIENTS:

g =	-9.768712e-001	CPcor =	-9.5700e-008
h =	1.318398e-001	CTcor =	3.2500e-006
i =	-1.628803e-004	WBOTC =	-4.1294e-006
j =	3.253337e-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	2724.26	0.0000	0.00000
1.0000	34.5773	2.95748	5461.12	2.95748	0.00000
4.4999	34.5570	3.26265	5668.15	3.26266	0.00001
15.0000	34.5129	4.23831	6283.53	4.23830	-0.00001
18.5000	34.5026	4.58122	6485.64	4.58121	-0.00001
24.0000	34.4905	5.13549	6799.31	5.13550	0.00000
29.0000	34.4809	5.65353	7079.57	5.65358	0.00004
32.5000	34.4723	6.02275	7272.45	6.02272	-0.00003

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

 $t = temperature[^{\circ}C)$; p = pressure[decibars]; $\delta = CTcor$; $\varepsilon = CPcor$;

Residual = instrument conductivity - bath conductivity

Date, Slope Correction

