SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2337 CALIBRATION DATE: 19-Aug-11

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

COEFFICIENTS:

g = -1.061899e + 000	CPcor = -9.5700e-008
h = 1.497947e - 001	CTcor = 3.2500e-006
i = -2.372539e - 004	WBOTC = $-5.6580e-006$
j = 4.464979e - 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	2665.49	0.0000	0.0000
1.0000	34.9919	2.98954	5201.12	2.98956	0.00002
4.4999	34.9715	3.29791	5394.67	3.29790	-0.00001
15.0000	34.9279	4.28385	5970.74	4.28383	-0.00002
18.5000	34.9186	4.63047	6160.19	4.63045	-0.00002
24.0000	34.9080	5.19075	6454.35	5.19079	0.00003
29.0000	34.9006	5.71457	6717.35	5.71460	0.00003
32.5000	34.8942	6.08803	6898.51	6.08801	-0.00003

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

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

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

Residual = instrument conductivity - bath conductivity

Date, Slope Correction

