SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3762 CALIBRATION DATE: 20-Jan-11

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

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COEFFICIENTS:

g = -1.043356e + 000	CPcor = -9.5700e-008
h = 1.312465e-001	CTcor = 3.2500e-006
i = -5.640428e - 005	WBOTC = $-8.1560e-006$
j = 2.327875e - 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	2819.47	0.0000	0.00000
1.0000	34.7751	2.97278	5523.37	2.97278	0.00000
4.4999	34.7517	3.27922	5729.40	3.27921	-0.00001
15.0000	34.7037	4.25926	6342.80	4.25926	-0.00000
18.5000	34.6921	4.60367	6544.46	4.60369	0.00002
24.0000	34.6814	5.16077	6857.80	5.16077	-0.00001
29.0000	34.6751	5.68179	7138.11	5.68178	-0.00001
32.5001	34.6710	6.05352	7331.39	6.05353	0.00001

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

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

Residual = instrument conductivity - bath conductivity

Date, Slope Correction

