SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2336
CALIBRATION DATE: 21-Jan-11

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

COEFFICIENTS:

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g = -1.037336e+000
h =  1.532058e-001
i =  7.311223e-005
j =  2.206480e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.2827e-005
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (Hz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2598.85	0.00000	0.00000
0.9999	34.7447	2.97042	5098.86	2.97042	-0.00000
4.5000	34.7239	3.27686	5289.13	3.27687	0.00000
14.9999	34.6793	4.25657	5855.23	4.25655	-0.00003
18.5000	34.6695	4.60099	6041.39	4.60102	0.00003
23.9999	34.6591	5.15781	6330.45	5.15782	0.00001
28.9999	34.6530	5.67856	6588.98	5.67853	-0.00003
32.5001	34.6463	6.04970	6767.07	6.04972	0.00002

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

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

t = temperature[°C)]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = instrument conductivity - bath conductivity