SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3532
CALIBRATION DATE: 06-Sep-0

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

COEFFICIENTS:

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g = -1.001775e+000
h =  1.336819e-001
i = -9.183099e-005
j =  2.889757e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.4939e-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	2738.27	0.00000	0.00000
1.0000	34.7431	2.97030	5443.74	2.97029	-0.00002
4.5000	34.7226	3.27675	5649.04	3.27677	0.00002
15.0001	34.6794	4.25660	6259.57	4.25663	0.00002
18.4999	34.6702	4.60106	6460.18	4.60103	-0.00003
24.0000	34.6602	5.15797	6771.71	5.15797	0.00000
29.0000	34.6546	5.67881	7050.27	5.67882	0.00001
32.5000	34.6517	6.05053	7242.32	6.05052	-0.00000

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