SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3535
CALIBRATION DATE: 07-Sep-0

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

COEFFICIENTS:

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g = -9.977545e-001
h =  1.419224e-001
i = -2.068759e-004
j =  3.991627e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -9.7311e-006
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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	2654.26	0.00000	0.00000
1.0000	34.6513	2.96320	5282.57	2.96321	0.00000
4.4999	34.6313	3.26898	5481.93	3.26897	-0.00001
15.0000	34.5887	4.24664	6074.81	4.24666	0.00002
18.4999	34.5798	4.59036	6269.61	4.59034	-0.00002
23.9999	34.5701	5.14603	6572.05	5.14603	0.00000
29.0001	34.5651	5.66580	6842.49	5.66580	0.00000
32.5001	34.5624	6.03671	7028.91	6.03671	-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