SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3533
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 = -1.027222e+000
h =  1.389017e-001
i = -1.814205e-004
j =  3.516476e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.1937e-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	2722.07	0.00000	0.00000
1.0000	34.6513	2.96320	5359.22	2.96323	0.00003
4.4999	34.6313	3.26898	5560.06	3.26897	-0.00001
15.0000	34.5887	4.24664	6157.70	4.24659	-0.00004
18.4999	34.5798	4.59036	6354.21	4.59033	-0.00003
23.9999	34.5701	5.14603	6659.36	5.14606	0.00003
29.0001	34.5651	5.66580	6932.32	5.66589	0.00009
32.5001	34.5624	6.03671	7120.42	6.03664	-0.00007

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