SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3531
CALIBRATION DATE: 01-Sep-0

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

COEFFICIENTS:

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g = -9.845247e-001
h =  1.327990e-001
i = -1.028797e-004
j =  2.854077e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -4.6806e-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	2723.64	0.00000	0.00000
1.0000	34.8803	2.98091	5458.56	2.98092	0.00001
4.4999	34.8600	3.28843	5665.39	3.28843	-0.00000
14.9999	34.8164	4.27161	6280.24	4.27160	-0.00002
18.5000	34.8070	4.61727	6482.27	4.61727	0.00000
24.0000	34.7966	5.17602	6795.82	5.17604	0.00002
29.0000	34.7910	5.69864	7076.15	5.69864	-0.00000
32.5000	34.7876	6.07155	7269.38	6.07155	-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