SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0816
CALIBRATION DATE: 07-Mar-07

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

COEFFICIENTS:

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g = -1.061390e+000
h =  1.475521e-001
i = -2.686046e-004
j =  4.230356e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -8.0370e-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	2688.21	0.00000	0.00000
1.0000	34.8912	2.98176	5239.23	2.98176	0.00000
4.5000	34.8724	3.28949	5435.09	3.28949	-0.00000
15.0000	34.8311	4.27324	6018.32	4.27324	0.00000
18.5000	34.8225	4.61910	6210.26	4.61911	0.00001
24.0000	34.8130	5.17819	6508.42	5.17816	-0.00002
29.0000	34.8079	5.70110	6775.31	5.70112	0.00002
32.5000	34.8048	6.07421	6959.37	6.07420	-0.00001

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