SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0828
CALIBRATION DATE: 31-May-07

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

COEFFICIENTS:

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g = -9.076739e-001
h =  1.345830e-001
i = -8.701920e-005
j =  3.179803e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -2.6678e-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	2597.86	0.00000	0.00000
1.0001	34.7923	2.97412	5361.76	2.97414	0.00002
4.5000	34.7718	3.28094	5568.78	3.28092	-0.00002
15.0000	34.7279	4.26192	6183.55	4.26191	-0.00001
18.5000	34.7186	4.60681	6385.34	4.60681	0.00000
24.0000	34.7087	5.16439	6698.39	5.16439	0.00000
29.0000	34.7036	5.68593	6978.16	5.68595	0.00002
32.5000	34.7011	6.05817	7170.94	6.05816	-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