SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0661
CALIBRATION DATE: 06-Nov-08

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

COEFFICIENTS:

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g = -1.043063e+000
h =  1.564278e-001
i = -1.653119e-004
j =  3.982983e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -2.7375e-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	2584.36	0.00000	0.00000
1.0000	34.7449	2.97044	5062.41	2.97046	0.00002
4.4999	34.7249	3.27694	5251.63	3.27693	-0.00001
15.0000	34.6812	4.25679	5814.84	4.25677	-0.00002
18.4999	34.6722	4.60130	6000.11	4.60131	0.00000
23.9999	34.6621	5.15821	6287.81	5.15821	0.00000
28.9999	34.6563	5.67904	6545.20	5.67908	0.00003
32.5001	34.6539	6.05088	6722.74	6.05085	-0.00002

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