SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2980
CALIBRATION DATE: 27-Feb-08

SBE4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

```
g = -1.00371736e+001
h =  1.37071631e+000
i =  2.08995419e-004
j =  5.33084088e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  1.74313586e-004
b =  1.37080776e+000
c = -1.00371109e+001
d = -8.38848949e-005
m =  3.6
CPcor = -9.5700e-008 (nominal)
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREO (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.70508	0.00000	0.00000
-1.0000	34.9366	2.81336	5.27207	2.81334	-0.00002
1.0000	34.9367	2.98527	5.38934	2.98528	0.00001
15.0000	34.9377	4.28493	6.20407	4.28492	-0.00000
18.5000	34.9373	4.63268	6.40444	4.63271	0.00003
29.0000	34.9359	5.71970	6.99347	5.71963	-0.00006
32.5000	34.9302	6.09360	7.18491	6.09364	0.00004

Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \varepsilon p)$ Siemens/meter

Conductivity = $(af^m + bf^2 + c + dt) / [10 (1 + \varepsilon p)$ Siemens/meter

t = temperature[°C)]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients