SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2980
CALIBRATION DATE: 14-Aug-07

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

GHIJ COEFFICIENTS

```
g = -1.00324949e+001
h =  1.36939830e+000
i =  5.42928292e-004
j =  2.98567526e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  5.09561555e-004
b =  1.36932362e+000
c = -1.00318662e+001
d = -8.26696850e-005
m =  3.2
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	2.70503	0.00000	0.00000
-1.0002	34.9478	2.81416	5.27269	2.81412	-0.00004
0.9998	34.9475	2.98609	5.38998	2.98612	0.00003
14.9998	34.9479	4.28602	6.20481	4.28608	0.00005
18.4998	34.9482	4.63395	6.40518	4.63391	-0.00004
28.9999	34.9441	5.72088	6.99419	5.72085	-0.00002
32.4999	34.9365	6.09456	7.18549	6.09458	0.00002

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