SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2880
CALIBRATION DATE: 12-Jan-10

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

GHIJ COEFFICIENTS

```
g = -1.06602669e+001
h =  1.44142660e+000
i =  2.34005419e-004
j =  5.73830122e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  1.88559389e-004
b =  1.44156294e+000
c = -1.06603497e+001
d = -8.38391225e-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	2.71849	0.00000	0.00000
-1.0001	34.7618	2.80059	5.17433	2.80057	-0.00002
0.9999	34.7616	2.97173	5.28747	2.97175	0.00003
14.9999	34.7624	4.26569	6.07453	4.26568	-0.00001
18.4999	34.7622	4.61196	6.26832	4.61194	-0.00001
28.9999	34.7604	5.69418	6.83846	5.69423	0.00004
32.4999	34.7564	6.06671	7.02389	6.06669	-0.00003

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