SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2980
CALIBRATION DATE: 12-Mar-10

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

GHIJ COEFFICIENTS

```
g = -1.00423934e+001
h =  1.37226406e+000
i = -1.39915596e-004
j =  7.52228638e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  6.13880803e-005
b =  1.37188623e+000
c = -1.00416490e+001
d = -8.36328941e-005
m =  4.0
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
-1.0001	34.8128	2.80431	5.26560	2.80432	0.00000
0.9999	34.8132	2.97572	5.38264	2.97571	-0.00001
14.9999	34.8127	4.27121	6.19583	4.27120	-0.00000
18.4999	34.8121	4.61786	6.39582	4.61787	0.00001
28.9999	34.8107	5.70149	6.98386	5.70148	-0.00001
32.5000	34.8056	6.07433	7.17498	6.07434	0.00001

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