SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2980
CALIBRATION DATE: 17-Mar-09

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

GHIJ COEFFICIENTS

```
g = -1.00406373e+001
h =  1.37194507e+000
i = -1.35099693e-004
j =  7.95774772e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  6.60968817e-005
b =  1.37158486e+000
c = -1.00399515e+001
d = -8.35696210e-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	2.70507	0.00000	0.00000
-1.0000	34.8367	2.80607	5.26701	2.80607	0.00000
1.0000	34.8370	2.97757	5.38410	2.97757	0.00000
14.9999	34.8380	4.27398	6.19764	4.27399	0.00000
18.4999	34.8384	4.62097	6.39772	4.62094	-0.00003
29.0000	34.8368	5.70530	6.98597	5.70535	0.00006
32.5000	34.8323	6.07846	7.17711	6.07843	-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