SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1896
CALIBRATION DATE: 06-Jul-06

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

GHIJ COEFFICIENTS

```
g = -4.09833723e+000
h =  5.23688437e-001
i = -1.16858819e-003
j =  8.81935205e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  1.51382960e-007
b =  5.19113905e-001
c = -4.08138998e+000
d = -6.08276067e-005
m =  6.0
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	2.80441	0.00000	0.00000
-0.9948	34.8804	2.80970	7.86887	2.80968	-0.00002
1.0763	34.8806	2.98756	8.08298	2.98759	0.00003
14.9999	34.8815	4.27875	9.49076	4.27871	-0.00004
18.4999	34.8808	4.62599	9.83431	4.62602	0.00003
28.9999	34.8793	5.71146	10.83587	5.71147	0.00001
32.4999	34.8719	6.08458	11.15860	6.08457	-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