SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1896
CALIBRATION DATE: 17-Jun-09

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

GHIJ COEFFICIENTS

```
g = -4.10224364e+000
h =  5.24250152e-001
i = -1.21115264e-003
j =  8.92390601e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  8.79266596e-008
b =  5.19464871e-001
c = -4.08447222e+000
d = -6.19502081e-005
m =  6.2
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	2.80453	0.00000	0.00000
-1.0000	34.6282	2.79083	7.84413	2.79084	0.00001
1.0000	34.6290	2.96148	8.05016	2.96147	-0.00001
15.0000	34.6301	4.25118	9.46106	4.25115	-0.00003
18.5000	34.6296	4.59627	9.80349	4.59630	0.00003
29.0000	34.6290	5.67508	10.80189	5.67508	-0.00000
32.5000	34.6244	6.04630	11.12399	6.04630	-0.00000

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