SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1898
CALIBRATION DATE: 06-Jul-06

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

GHIJ COEFFICIENTS

```
g = -1.05855343e+001
h =  1.51684832e+000
i =  3.55424706e-004
j =  8.31147808e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  2.78891996e-004
b =  1.51703975e+000
c = -1.05854534e+001
d = -8.26160174e-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	2.64039	0.00000	0.00000
-0.9948	34.8804	2.80970	5.04345	2.80971	0.00001
1.0763	34.8806	2.98756	5.15786	2.98755	-0.00001
14.9999	34.8815	4.27875	5.92216	4.27872	-0.00003
18.4999	34.8808	4.62599	6.11132	4.62603	0.00004
28.9999	34.8793	5.71146	6.66767	5.71145	-0.00001
32.4999	34.8719	6.08458	6.84839	6.08458	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