SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1896
CALIBRATION DATE: 23-Jan-08

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

GHIJ COEFFICIENTS

```
g = -4.10476814e+000
h =  5.24532893e-001
i = -1.20775053e-003
j =  8.89205867e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a =  8.74061617e-008
b =  5.19758633e-001
c = -4.08703698e+000
d = -6.19825122e-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	2.80462	0.00000	0.00000
-1.0000	34.9126	2.81161	7.86756	2.81157	-0.00004
1.0000	34.9124	2.98339	8.07437	2.98344	0.00005
15.0000	34.9129	4.28221	9.49000	4.28216	-0.00004
18.5000	34.9117	4.62966	9.83354	4.62970	0.00005
29.0000	34.9071	5.71551	10.83473	5.71548	-0.00004
32.5001	34.8949	6.08815	11.15694	6.08818	0.00002

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