SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0830
CALIBRATION DATE: 17-Nov-06

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

GHIJ COEFFICIENTS

```
g = -4.11034862e+000
h =  5.29063357e-001
i = -4.96034382e-004
j =  5.45691483e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  2.56579047e-006
b =  5.27465930e-001
c = -4.10578240e+000
d = -1.19823701e-004
m =  4.9
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	2.78984	0.00000	0.00000
-0.9971	34.9671	2.81583	7.81377	2.81585	0.00002
14.9999	34.9675	4.28818	9.42310	4.28809	-0.00009
18.4999	34.9652	4.63597	9.76407	4.63604	0.00007
28.9999	34.9619	5.72346	10.75857	5.72351	0.00005
32.4999	34.9577	6.09784	11.07965	6.09780	-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