SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2973
CALIBRATION DATE: 01-Apr-09

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

GHIJ COEFFICIENTS

```
g = -9.96098961e+000
h =  1.34631616e+000
i = -1.36871823e-005
j =  7.14772167e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  8.53892045e-005
b =  1.34622050e+000
c = -9.96090312e+000
d = -8.44850680e-005
m =  3.9
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	2.71956	0.00000	0.00000
-1.0000	34.7916	2.80277	5.30811	2.80276	-0.00001
1.0000	34.7915	2.97405	5.42631	2.97407	0.00002
15.0000	34.7921	4.26896	6.24740	4.26893	-0.00003
18.4999	34.7918	4.61546	6.44932	4.61545	-0.00001
29.0000	34.7899	5.69848	7.04291	5.69855	0.00007
32.5000	34.7861	6.07132	7.23583	6.07127	-0.00005

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