SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1374
CALIBRATION DATE: 14-Aug-07

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

GHIJ COEFFICIENTS

```
g = -3.96369757e+000
h =  4.83813307e-001
i = -9.04328324e-005
j =  3.14387229e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  1.52043827e-005
b =  4.83630968e-001
c = -3.96371599e+000
d = -9.33969390e-005
m =  4.2
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	2.86228	0.00000	0.00000
-1.0002	34.9478	2.81416	8.13476	2.81414	-0.00002
0.9998	34.9475	2.98609	8.34903	2.98611	0.00002
14.9998	34.9479	4.28602	9.81627	4.28605	0.00002
18.4998	34.9482	4.63395	10.17243	4.63391	-0.00004
28.9999	34.9441	5.72088	11.21101	5.72091	0.00003
32.4999	34.9365	6.09456	11.54590	6.09454	-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