SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1054
CALIBRATION DATE: 11-Oct-07

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

GHIJ COEFFICIENTS

```
g = -4.08886663e+000
h =  5.91324562e-001
i =  2.44854437e-006
j =  3.54984170e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  3.49588219e-005
b =  5.91382889e-001
c = -4.08936130e+000
d = -8.94191972e-005
m =  4.0
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	2.62903	0.00000	0.00000
-1.0002	34.9575	2.81487	7.37147	2.81487	0.00000
0.9998	34.9576	2.98687	7.56493	2.98688	0.00001
14.9998	34.9585	4.28719	8.89050	4.28714	-0.00004
18.4998	34.9581	4.63512	9.21246	4.63514	0.00001
28.9998	34.9542	5.72233	10.15157	5.72239	0.00006
32.4998	34.9454	6.09593	10.45431	6.09589	-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