SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3338
CALIBRATION DATE: 16-Jul-08

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

GHIJ COEFFICIENTS

```
g = -1.01945761e+001
h =  1.57722667e+000
i = -2.63636817e-003
j =  2.93538385e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  5.94621971e-007
b =  1.57021544e+000
c = -1.01801738e+001
d = -7.72814079e-005
m =  6.3
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	2.54625	0.00000	0.00000
-1.0001	34.9346	2.81321	4.93869	2.81321	0.00000
0.9999	34.9352	2.98515	5.04821	2.98515	-0.00000
14.9999	34.9360	4.28473	5.80920	4.28472	-0.00001
18.4999	34.9357	4.63248	5.99636	4.63249	0.00001
28.9999	34.9345	5.71948	6.54653	5.71949	0.00000
32.4999	34.9302	6.09359	6.72534	6.09358	-0.00000

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