SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1335
CALIBRATION DATE: 20-Feb-10

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

GHIJ COEFFICIENTS

```
g = -3.97320174e+000
h =  5.02143660e-001
i = -5.73952264e-005
j =  3.07985560e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  2.07864759e-005
b =  5.02017984e-001
c = -3.97311225e+000
d = -8.79307838e-005
m =  4.1
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	2.81268	0.00000	0.00000
-1.0000	34.7437	2.79927	7.96678	2.79928	0.00001
0.9999	34.7440	2.97036	8.17647	2.97036	-0.00000
14.9999	34.7444	4.26372	9.61272	4.26370	-0.00002
18.4999	34.7444	4.60985	9.96144	4.60985	-0.00000
28.9999	34.7419	5.69149	10.97854	5.69154	0.00005
32.5000	34.7324	6.06301	11.30620	6.06298	-0.00003

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