SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2356
CALIBRATION DATE: 30-Oct-08

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

GHIJ COEFFICIENTS

```
g = -1.00836257e+001
h =  1.46942000e+000
i =  7.65854183e-004
j =  3.19746394e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  6.46359247e-004
b =  1.46957419e+000
c = -1.00833521e+001
d = -7.82624394e-005
m =  3.2
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	2.61762	0.00000	0.00000
-1.0001	34.9596	2.81503	5.09276	2.81503	-0.00001
0.9999	34.9600	2.98706	5.20587	2.98707	0.00000
14.9999	34.9612	4.28749	5.99181	4.28751	0.00002
28.9999	34.9545	5.72239	6.75301	5.72235	-0.00004
32.4999	34.9429	6.09555	6.93723	6.09557	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