SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1041
CALIBRATION DATE: 30-Oct-08

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

GHIJ COEFFICIENTS

```
g = -4.10338863e+000
h =  5.61010671e-001
i =  3.63796145e-005
j =  2.95489236e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  4.07112462e-005
b =  5.61070402e-001
c = -4.10335254e+000
d = -7.98666803e-005
m =  3.9
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	2.70374	0.00000	0.00000
-1.0001	34.9596	2.81503	7.56908	2.81503	0.00000
0.9999	34.9600	2.98706	7.76767	2.98706	-0.00000
14.9999	34.9612	4.28749	9.12838	4.28749	0.00000
28.9999	34.9545	5.72239	10.42259	5.72239	-0.00000
32.4999	34.9429	6.09555	10.73311	6.09555	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