SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0670
CALIBRATION DATE: 09-Feb-11

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

GHIJ COEFFICIENTS

```
g = -4.30892623e+000
h =  4.56822412e-001
i =  5.14983571e-004
j = -4.50517829e-006
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  5.91837703e-004
b =  4.56817310e-001
c = -4.30968933e+000
d = -8.04187587e-005
m =  2.9
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	3.06607	0.00000	0.00000
-1.0000	34.9765	2.81627	8.39425	2.81627	-0.00000
1.0000	34.9766	2.98836	8.61294	2.98836	0.00000
15.0000	34.9755	4.28907	10.11254	4.28907	-0.00000
18.5000	34.9741	4.63704	10.47698	4.63704	0.00000
29.0001	34.9665	5.72415	11.54080	5.72415	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