SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0650
CALIBRATION DATE: 02-Apr-11

SBE19 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

```
g = -4.10047980e+000
h =  4.90959805e-001
i =  4.75574649e-004
j =  7.71137381e-006
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  4.48462808e-004
b =  4.90798403e-001
c = -4.09754122e+000
d = -8.27294206e-005
m =  3.1
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)
22.0000	0.0000	0.00000	2.88576	0.00000	0.00000
1.0000	34.7970	2.97447	8.26540	2.97447	0.00000
4.5000	34.7767	3.28136	8.63010	3.28135	-0.00001
14.9999	34.7335	4.26252	9.70322	4.26254	0.00002
18.5000	34.7240	4.60744	10.05278	4.60742	-0.00002
24.0000	34.7133	5.16500	10.59307	5.16500	0.00001
29.0000	34.7055	5.68621	11.07382	5.68621	-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