SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3657
CALIBRATION DATE: 14-Aug-09

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

GHIJ COEFFICIENTS

```
g = -9.89444754e+000
h =  1.40009198e+000
i = -2.48419181e-003
j =  2.56836805e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  2.88648139e-007
b =  1.39305191e+000
c = -9.87828742e+000
d = -7.66918769e-005
m =  6.5
CPcor = -9.5700e-008 (nominal)
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.66295	0.00000	0.00000
-1.0000	34.6992	2.79602	5.21085	2.79601	-0.00001
1.0000	34.6994	2.96692	5.32715	2.96693	0.00001
15.0000	34.7011	4.25897	6.13494	4.25897	-0.00000
18.5000	34.7010	4.60472	6.33352	4.60474	0.00002
29.0000	34.7001	5.68542	6.91703	5.68539	-0.00003
32.5000	34.6949	6.05721	7.10659	6.05723	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