SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2356
CALIBRATION DATE: 31-Jul-09

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

GHIJ COEFFICIENTS

```
g = -1.00962361e+001
h =  1.47210104e+000
i =  4.85350527e-004
j =  3.56410231e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  3.91231510e-004
b =  1.47225363e+000
c = -1.00962773e+001
d = -8.37178355e-005
m =  3.3
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	2.61751	0.00000	0.00000
-1.0000	34.7165	2.79729	5.07947	2.79729	0.00000
1.0000	34.7171	2.96829	5.19215	2.96830	0.00001
15.0000	34.7194	4.26098	5.97522	4.26095	-0.00004
18.5000	34.7197	4.60694	6.16790	4.60695	0.00001
29.0000	34.7204	5.68838	6.73447	5.68842	0.00004
32.5000	34.7184	6.06085	6.91876	6.06082	-0.00003

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