SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0015
CALIBRATION DATE: 02-Apr-11

SBE16 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

```
g = -4.00995682e+000
h =  4.78323683e-001
i =  1.17006277e-003
j = -2.73978514e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a =  5.16403939e-002
b =  4.22073169e-001
c = -3.99134766e+000
d = -1.05044201e-004
m =  2.1
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	2.88592	0.00000	0.00000
1.0000	34.7970	2.97447	8.33241	2.97444	-0.00004
4.5000	34.7767	3.28136	8.70076	3.28139	0.00004
14.9999	34.7335	4.26252	9.78445	4.26254	0.00002
18.5000	34.7240	4.60744	10.13757	4.60744	0.00000
24.0000	34.7133	5.16500	10.68343	5.16496	-0.00003
29.0000	34.7055	5.68621	11.16939	5.68621	0.00000
32.5000	34.6994	6.05791	11.50327	6.05792	0.00001

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