SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1018
CALIBRATION DATE: 09-Feb-11

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

GHIJ COEFFICIENTS

```
g = -4.08657963e+000
h =  4.61995655e-001
i = -2.75063987e-004
j =  3.80941449e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  3.62206569e-006
b =  4.61203319e-001
c = -4.08437620e+000
d = -8.09229254e-005
m =  4.7
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	2.97569	0.00000	0.00000
-1.0000	34.9765	2.81627	8.35168	2.81630	0.00003
1.0000	34.9766	2.98836	8.57080	2.98833	-0.00003
15.0000	34.9755	4.28907	10.07208	4.28903	-0.00004
18.5000	34.9741	4.63704	10.43651	4.63708	0.00005
29.0001	34.9665	5.72415	11.49875	5.72414	-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