SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1018
CALIBRATION DATE: 10-Oct-07

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

GHIJ COEFFICIENTS

```
g = -4.08448199e+000
h =  4.61868436e-001
i = -2.98294570e-004
j =  4.11820014e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a =  5.02544000e-006
b =  4.60968975e-001
c = -4.08216423e+000
d = -9.51714140e-005
m =  4.6
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	2.97546	0.00000	0.00000
-1.0002	34.9689	2.81570	8.35163	2.81574	0.00004
0.9998	34.9695	2.98779	8.57075	2.98776	-0.00003
14.9998	34.9707	4.28852	10.07177	4.28846	-0.00006
18.4998	34.9710	4.63665	10.43625	4.63668	0.00003
28.9998	34.9688	5.72445	11.49875	5.72454	0.00008
32.4998	34.9616	6.09843	11.84118	6.09837	-0.00006

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