SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1041
CALIBRATION DATE: 01-Jul-09

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

GHIJ COEFFICIENTS

```
g = -4.10352506e+000
h =  5.61311560e-001
i = -7.78952241e-005
j =  3.45883421e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a =  2.27566675e-005
b =  5.61099958e-001
c = -4.10301989e+000
d = -8.45721272e-005
m =  4.1
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)
0.0000	0.0000	0.00000	2.70371	0.00000	0.00000
-1.0000	34.6122	2.78966	7.54120	2.78967	0.00000
1.0000	34.6129	2.96023	7.73897	2.96023	-0.00000
15.0000	34.6140	4.24941	9.09408	4.24941	-0.00000
18.5000	34.6139	4.59441	9.42323	4.59442	0.00001
29.0000	34.6130	5.67276	10.38370	5.67274	-0.00002
32.5000	34.6075	6.04368	10.69378	6.04370	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