SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1074
CALIBRATION DATE: 14-Jun-11

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

GHIJ COEFFICIENTS

```
g = -4.03601469e+000
h =  5.49813983e-001
i = -4.73251723e-004
j =  5.47911704e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a =  3.50141955e-006
b =  5.48283460e-001
c = -4.03144202e+000
d = -8.12675283e-005
m =  4.8
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	2.71154	0.00000	0.00000
-1.0000	34.9435	2.81386	7.65267	2.81388	0.00002
1.0000	34.9444	2.98587	7.85400	2.98586	-0.00001
15.0000	34.9443	4.28565	9.23281	4.28563	-0.00002
18.5000	34.9442	4.63350	9.56757	4.63350	-0.00000
29.0001	34.9402	5.72033	10.54371	5.72038	0.00005
32.5001	34.9287	6.09338	10.85793	6.09335	-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