SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1030
CALIBRATION DATE: 19-Sep-07

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

GHIJ COEFFICIENTS

```
g = -4.06491866e+000
h =  5.72402784e-001
i =  1.21057531e-004
j =  2.65052450e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a =  5.60994196e-005
b =  5.72712763e-001
c = -4.06598224e+000
d = -8.95043547e-005
m =  3.8
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	2.66368	0.00000	0.00000
-1.0002	34.9324	2.81304	7.48409	2.81303	-0.00001
0.9998	34.9324	2.98492	7.68064	2.98494	0.00002
14.9998	34.9342	4.28452	9.02736	4.28450	-0.00002
18.4998	34.9339	4.63226	9.35444	4.63227	0.00001
28.9998	34.9321	5.71912	10.30878	5.71914	0.00002
32.4998	34.9261	6.09294	10.61679	6.09293	-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