SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1374
CALIBRATION DATE: 21-May-10

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

GHIJ COEFFICIENTS

```
g = -3.43528594e+000
h =  3.62314202e-001
i =  2.32682484e-002
j = -1.15825685e-003
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a = -1.29669816e-043
b =  4.86433181e-001
c = -4.18472212e+000
d = -2.86391263e-003
m =  40.1
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	2.86269	0.00020	0.00020
-1.0000	34.6320	2.79111	8.12099	2.78839	-0.00272
0.9999	34.6324	2.96173	8.33450	2.96146	-0.00027
15.0000	34.6325	4.25145	9.80012	4.25770	0.00625
18.4999	34.6319	4.59653	10.15712	4.59953	0.00300
29.0000	34.6304	5.67529	11.20994	5.65759	-0.01769
32.5000	34.6241	6.04625	11.59206	6.05749	0.01124

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