SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2164
CALIBRATION DATE: 29-Apr-05

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

GHIJ COEFFICIENTS

```
g = -9.68620860e+000
h =  1.33495113e+000
i = -2.24804238e-003
j =  2.21833127e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a =  7.68215154e-008
b =  1.32841727e+000
c = -9.67090144e+000
d = -8.11351429e-005
m =  7.0
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	2.69817	0.00000	0.00000
-0.9999	34.9335	2.81314	5.33382	2.81312	-0.00002
1.0269	34.9338	2.98739	5.45533	2.98742	0.00004
15.0001	34.9344	4.28457	6.28582	4.28457	-0.00000
18.5001	34.9345	4.63236	6.49029	4.63233	-0.00004
29.0001	34.9325	5.71921	7.09104	5.71928	0.00007
32.5001	34.9275	6.09319	7.28608	6.09315	-0.00004

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