SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0722
CALIBRATION DATE: 19-May-00

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

GHIJ COEFFICIENTS

```
g = -3.84645125e+000
h =  4.15739686e-001
i = -2.80770092e-005
j =  2.18544417e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  2.02381271e-005
b =  4.15609490e-001
c = -3.84579670e+000
d = -7.91792173e-005
m =  4.0
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	3.04129	0.00000	0.00000
-1.3793	33.9526	2.71001	8.61343	2.71003	0.00002
1.1600	33.9536	2.92271	8.90344	2.92271	-0.00000
15.2802	33.9534	4.20365	10.47915	4.20361	-0.00004
18.7184	33.9522	4.53735	10.85149	4.53733	-0.00001
29.2616	33.9471	5.60287	11.96144	5.60299	0.00012
32.7014	33.9401	5.96140	12.31163	5.96132	-0.00008

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