SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0722
CALIBRATION DATE: 06-Aug-98

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

GHIJ COEFFICIENTS

```
g = -3.84388655e+000
h =  4.15117521e-001
i =  8.16186868e-005
j =  1.68850176e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  3.63072951e-005
b =  4.15334986e-001
c = -3.84475162e+000
d = -8.67988098e-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	3.04150	0.00000	0.00000
-1.4107	35.0095	2.78379	8.71522	2.78380	0.00000
1.1279	35.0106	3.00213	9.00935	3.00213	0.00001
15.2473	35.0102	4.31722	10.60730	4.31720	-0.00002
18.6852	35.0083	4.65974	10.98474	4.65973	-0.00001
29.2278	35.0053	5.75404	12.11044	5.75411	0.00006
32.6673	35.0012	6.12265	12.46608	6.12261	-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