SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0357
CALIBRATION DATE: 06-Aug-98

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

GHIJ COEFFICIENTS

```
g = -4.62848826e+000
h =  5.25966227e-001
i = -3.41489621e-003
j =  1.81797170e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a =  8.45811971e-015
b =  5.08753328e-001
c = -4.53230603e+000
d =  2.37188440e-004
m =  12.5
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	2.99101	0.00001	0.00001
-1.4107	35.0095	2.78379	7.97652	2.78390	0.00011
1.1279	35.0106	3.00213	8.24093	3.00186	-0.00027
15.2473	35.0102	4.31722	9.68249	4.31770	0.00048
18.6852	35.0083	4.65974	10.02222	4.65958	-0.00016
29.2278	35.0053	5.75404	11.03624	5.75346	-0.00058
32.6673	35.0012	6.12265	11.35730	6.12305	0.00040

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