SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0357
CALIBRATION DATE: 20-May-88

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

GHIJ COEFFICIENTS

```
g = -4.32706875e+000
h =  5.05711491e-001
i = -1.51690511e-004
j =  3.35943316e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  4.99350461e-007
b =  5.06154591e-001
c = -4.33235095e+000
d =  9.10855328e-004
m =  5.4
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	2.92558	0.00000	0.00000
-1.0058	35.0475	2.82096	8.01370	2.82100	0.00004
7.0030	35.0482	3.53310	8.84431	3.53304	-0.00006
14.9753	35.0896	4.29914	9.65735	4.29913	-0.00001
23.0270	35.0891	5.11362	10.45142	5.11367	0.00005
31.0019	35.0873	5.95618	11.21245	5.95616	-0.00002

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