SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0357
CALIBRATION DATE: 21-Jun-96

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

GHIJ COEFFICIENTS

```
g = -4.32545524e+000
h =  5.06162609e-001
i = -1.45542480e-004
j =  4.04267838e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  1.87866812e-005
b =  5.05746768e-001
c = -4.32429461e+000
d = -8.42598443e-005
m =  4.2
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	2.92351	0.00000	0.00000
-1.3812	34.7233	2.76562	7.93797	2.76564	0.00001
1.0748	34.7235	2.97526	8.19297	2.97526	0.00001
15.1997	34.7239	4.28100	9.62790	4.28094	-0.00006
18.6678	34.7227	4.62408	9.97008	4.62407	-0.00000
29.0549	34.7172	5.69372	10.96678	5.69383	0.00011
32.6041	34.7076	6.07034	11.29599	6.07026	-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