SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2206
CALIBRATION DATE: 11-Mar-05

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

GHIJ COEFFICIENTS

```
g = -1.05292030e+001
h =  1.67003338e+000
i = -3.05004706e-003
j =  3.19244094e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  3.57931437e+001
b = -4.27680117e+001
c =  3.76333651e+001
d =  4.96753031e-001
m =  2.1
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	2.51519	0.00000	0.00000
-1.0005	34.9440	2.81386	4.82237	2.81386	-0.00000
0.9995	34.9447	2.98585	4.92845	2.98585	-0.00000
14.9995	34.9456	4.28574	5.66603	4.28575	0.00001
18.4995	34.9459	4.63365	5.84756	4.63364	-0.00001
28.9995	34.9442	5.72085	6.38134	5.72085	0.00000

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