SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2206
CALIBRATION DATE: 02-Mar-01

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

GHIJ COEFFICIENTS

```
g = -1.05214061e+001
h =  1.66682853e+000
i = -2.10556988e-003
j =  2.48671111e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  5.67464668e-007
b =  1.66156887e+000
c = -1.05118774e+001
d = -8.57335229e-005
m =  6.3
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	2.51523	0.00000	0.00000
-1.4396	35.0010	2.78073	4.80160	2.78071	-0.00002
1.0209	35.0010	2.99206	4.93217	2.99208	0.00002
15.1759	35.0016	4.30924	5.67825	4.30922	-0.00002
18.6521	35.0008	4.65551	5.85856	4.65554	0.00003
29.0606	34.9992	5.73534	6.38787	5.73532	-0.00003
32.6182	34.9925	6.11599	6.56421	6.11601	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