SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 2206
CALIBRATION DATE: 13-Sep-01

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

GHIJ COEFFICIENTS

```
g = -1.05201784e+001
h =  1.66711397e+000
i = -2.36105966e-003
j =  2.77566965e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  6.32434330e-007
b =  1.66117030e+000
c = -1.05091561e+001
d = -8.24345112e-005
m =  6.3
CPcor = -9.5700e-008 (nominal)
```

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	2.51521	0.00000	0.00000
-1.4108	33.1684	2.65053	4.71973	2.65058	0.00005
1.0501	33.1708	2.85247	4.84662	2.85242	-0.00005
15.2244	33.1721	4.11170	5.57311	4.11168	-0.00002
18.7079	33.1721	4.44307	5.74898	4.44310	0.00003
32.7138	33.1706	5.84255	6.43831	5.84254	-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