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: 1898
CALIBRATION DATE: 23-Jan-08

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

GHIJ COEFFICIENTS

```
g = -1.05898725e+001
h =  1.51805493e+000
i =  7.72982345e-005
j =  9.73895532e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  1.59415817e-004
b =  1.51797713e+000
c = -1.05895381e+001
d = -8.37023548e-005
m =  3.8
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	2.64044	0.00000	0.00000
-1.0000	34.9126	2.81161	5.04468	2.81159	-0.00002
1.0000	34.9124	2.98339	5.15525	2.98341	0.00002
15.0000	34.9129	4.28221	5.92420	4.28219	-0.00002
18.5000	34.9117	4.62966	6.11344	4.62971	0.00006
29.0000	34.9071	5.71551	6.66987	5.71543	-0.00008
32.5001	34.8949	6.08815	6.85039	6.08820	0.00005

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