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: 2356
CALIBRATION DATE: 15-Feb-07

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

GHIJ COEFFICIENTS

```
g = -1.00787645e+001
h =  1.46922128e+000
i =  6.09217030e-004
j =  4.79908070e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  3.96585251e-004
b =  1.46972847e+000
c = -1.00795598e+001
d = -8.59736075e-005
m =  3.4
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	2.61744	0.00000	0.00000
-1.0001	34.8567	2.80752	5.08843	2.80751	-0.00001
1.0160	34.8573	2.98052	5.20232	2.98053	0.00001
14.9999	34.8571	4.27608	5.98622	4.27608	-0.00000
18.4999	34.8560	4.62306	6.17920	4.62308	0.00002
28.9999	34.8532	5.70767	6.74659	5.70762	-0.00005
32.4999	34.8451	6.08043	6.93084	6.08047	0.00003

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