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: 1041
CALIBRATION DATE: 10-Oct-07

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

GHIJ COEFFICIENTS

```
g = -4.10230250e+000
h =  5.60832253e-001
i =  6.50551589e-005
j =  2.85408161e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  5.45981960e-005
b =  5.60867856e-001
c = -4.10200263e+000
d = -7.79737532e-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	2.70364	0.00000	0.00000
-1.0002	34.9689	2.81570	7.56988	2.81571	0.00001
0.9998	34.9695	2.98779	7.76848	2.98779	-0.00000
14.9998	34.9707	4.28852	9.12927	4.28851	-0.00001
18.4998	34.9710	4.63665	9.45981	4.63663	-0.00002
28.9998	34.9688	5.72445	10.42420	5.72452	0.00007
32.4998	34.9616	6.09843	10.73522	6.09839	-0.00004

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