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: 2670
CALIBRATION DATE: 12-Jan-10

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

GHIJ COEFFICIENTS

```
g = -1.04351874e+001
h =  1.39740257e+000
i = -7.99997539e-004
j =  1.28162576e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  1.03794914e-005
b =  1.39553622e+000
c = -1.04317346e+001
d = -8.49070467e-005
m =  4.8
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	2.73389	0.00000	0.00000
-1.0001	34.7618	2.80059	5.24613	2.80057	-0.00002
0.9999	34.7616	2.97173	5.36156	2.97176	0.00003
14.9999	34.7624	4.26569	6.16413	4.26568	-0.00001
18.4999	34.7622	4.61196	6.36163	4.61194	-0.00002
28.9999	34.7604	5.69418	6.94252	5.69423	0.00005
32.4999	34.7564	6.06671	7.13138	6.06669	-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