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: 1374
CALIBRATION DATE: 21-Aug-09

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

GHIJ COEFFICIENTS

```
g = -3.96668534e+000
h =  4.84495487e-001
i = -2.19535256e-004
j =  3.77227066e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

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a =  8.77246394e-006
b =  4.83837890e-001
c = -3.96483182e+000
d = -8.53852971e-005
m =  4.4
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	2.86227	0.00000	0.00000
-0.9999	34.5514	2.78523	8.09819	2.78526	0.00003
1.0001	34.5518	2.95551	8.31130	2.95551	-0.00000
15.0001	34.5530	4.24273	9.77102	4.24264	-0.00008
18.5001	34.5528	4.58718	10.12545	4.58719	0.00001
29.0001	34.5527	5.66399	11.15924	5.66415	0.00015
32.5001	34.5499	6.03478	11.49285	6.03467	-0.00011

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