SEA-BIRD ELECTRONICS, INC.

13431 NE 20th Street, Bellevue, Washington, 98005-2010 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 2209
CALIBRATION DATE: 26-Jan-11

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

GHIJ COEFFICIENTS

```
g = -1.03673708e+001
h =  1.40356545e+000
i =  8.21131847e-004
j =  2.08765706e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  7.88462876e-004
b =  1.40356246e+000
c = -1.03672329e+001
d = -8.44044522e-005
m =  3.1
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	2.71550	0.00000	0.00000
-1.0000	34.7656	2.80087	5.21992	2.80087	-0.00000
0.9999	34.7659	2.97206	5.33486	2.97206	0.00001
15.0000	34.7655	4.26604	6.13401	4.26603	-0.00001
18.5000	34.7650	4.61230	6.33067	4.61230	0.00000
29.0000	34.7637	5.69467	6.90915	5.69468	0.00001
32.5001	34.7567	6.06678	7.09706	6.06678	-0.00001

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