Sea-Bird Electronics, Inc.

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

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 3679
CALIBRATION DATE: 15-Nov-11

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

GHIJ COEFFICIENTS

```
g = -1.01137739e+001
h =  1.52754476e+000
i = -5.25129872e-004
j =  1.39781318e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  4.74462764e-005
b =  1.52641904e+000
c = -1.01118836e+001
d = -8.40957388e-005
m =  4.3
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	2.57348	0.00000	0.00000
-1.0000	34.9584	2.81495	5.00344	2.81494	-0.00002
1.0000	34.9586	2.98697	5.11453	2.98697	0.00001
15.0000	34.9587	4.28723	5.88633	4.28726	0.00003
18.5000	34.9589	4.63524	6.07614	4.63522	-0.00001
29.0001	34.9560	5.72263	6.63402	5.72259	-0.00003
32.5000	34.9448	6.09586	6.81491	6.09588	0.00002

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