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: 3009
CALIBRATION DATE: 07-Jul-12

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

GHIJ COEFFICIENTS

```
g = -1.04869875e+001
h =  1.48793870e+000
i =  3.04290966e-004
j =  5.41928056e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  2.48606509e-004
b =  1.48803234e+000
c = -1.04868237e+001
d = -8.35986620e-005
m =  3.5
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	2.65375	0.00000	0.00000
-0.9999	34.9530	2.81457	5.09040	2.81454	-0.00003
1.0001	34.9529	2.98653	5.20234	2.98656	0.00002
15.0001	34.9547	4.28680	5.98074	4.28679	-0.00001
18.5001	34.9542	4.63469	6.17232	4.63473	0.00003
29.0001	34.9503	5.72180	6.73560	5.72174	-0.00006
32.5001	34.9372	6.09469	6.91824	6.09473	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