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: 3588
CALIBRATION DATE: 14-Dec-12

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

GHIJ COEFFICIENTS

```
g = -9.74972489e+000
h =  1.19602330e+000
i = -1.93324746e-003
j =  1.83318335e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  1.33200187e-007
b =  1.19008018e+000
c = -9.73380175e+000
d = -7.63917975e-005
m =  6.6
CPcor = -9.5700e-008 (nominal)
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.85995	0.00000	0.00000
-0.9999	34.7606	2.80052	5.63040	2.80052	0.00000
1.0001	34.7611	2.97170	5.75660	2.97170	-0.00000
15.0001	34.7616	4.26562	6.63277	4.26563	0.00001
18.5001	34.7616	4.61191	6.84810	4.61190	-0.00000
29.0001	34.7588	5.69397	7.48067	5.69397	-0.00000
32.5001	34.7487	6.06554	7.68573	6.06555	0.00000

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