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: 0530
CALIBRATION DATE: 23-Oct-12

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

GHIJ COEFFICIENTS

```
g = -1.07431388e+001
h =  1.46831247e+000
i = -3.78488519e-003
j =  3.64105651e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  5.26130256e-008
b =  1.45709097e+000
c = -1.07156885e+001
d = -6.79762773e-005
m =  7.4
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	2.71195	0.00000	0.00000
-1.0000	34.8922	2.81012	5.16075	2.81011	-0.00001
1.0000	34.8925	2.98186	5.27362	2.98187	0.00001
15.0000	34.8930	4.28002	6.05858	4.28001	-0.00001
18.5000	34.8926	4.62740	6.25177	4.62740	0.00000
29.0000	34.8897	5.71298	6.81984	5.71300	0.00002
32.5001	34.8806	6.08594	7.00417	6.08593	-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