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: 1568
CALIBRATION DATE: 28-Nov-12

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

GHIJ COEFFICIENTS

```
g = -4.00918155e+000
h =  5.20022051e-001
i = -3.46312379e-004
j =  4.20410236e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  2.77414005e-006
b =  5.18967323e-001
c = -4.00649725e+000
d = -9.15542695e-005
m =  4.8
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	2.77832	0.00000	0.00000
-0.9999	34.6330	2.79119	7.83583	2.79123	0.00004
1.0001	34.6342	2.96189	8.04205	2.96186	-0.00002
15.0001	34.6343	4.25165	9.45457	4.25162	-0.00004
18.5001	34.6346	4.59687	9.79764	4.59686	-0.00001
29.0002	34.6325	5.67561	10.79829	5.67572	0.00011
32.5001	34.6243	6.04630	11.12070	6.04622	-0.00007

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