Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1568
CALIBRATION DATE: 25-Feb-14

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

GHIJ COEFFICIENTS

```
g = -4.00234279e+000
h =  5.18426941e-001
i = -4.77847737e-005
j =  2.69354274e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  1.82013209e-005
b =  5.18336141e-001
c = -4.00239205e+000
d = -8.89146817e-005
m =  4.1
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	2.77832	0.00000	0.00000
-1.0000	34.8083	2.80399	7.85199	2.80399	0.00000
1.0000	34.8087	2.97538	8.05865	2.97537	-0.00000
15.0000	34.8083	4.27074	9.47433	4.27075	0.00001
18.5000	34.8080	4.61739	9.81810	4.61738	-0.00001
29.0000	34.8065	5.70089	10.82127	5.70088	-0.00001
32.5000	34.7999	6.07345	11.14497	6.07346	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