Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0748
CALIBRATION DATE: 05-Feb-14

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

GHIJ COEFFICIENTS

```
g = -4.13006443e+000
h =  4.36012704e-001
i = -4.41255671e-005
j =  2.18116303e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  1.45841801e-005
b =  4.35909140e-001
c = -4.12998911e+000
d = -8.76121483e-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	3.07747	0.00000	0.00000
-1.0000	34.7297	2.79825	8.57000	2.79828	0.00003
1.0000	34.7299	2.96928	8.79446	2.96926	-0.00002
15.0000	34.7289	4.26202	10.33284	4.26198	-0.00004
18.5000	34.7283	4.60795	10.70653	4.60797	0.00001
29.0001	34.7262	5.68923	11.79689	5.68929	0.00006
32.5000	34.7170	6.06063	12.14822	6.06058	-0.00005

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