Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1013
CALIBRATION DATE: 14-Dec-12

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

GHIJ COEFFICIENTS

```
g = -4.12353719e+000
h =  5.70764685e-001
i =  4.34408106e-004
j =  9.53989866e-006
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  3.17672015e-004
b =  5.71001895e-001
c = -4.12382746e+000
d = -8.84931851e-005
m =  3.2
CPcor = -9.5700e-008 (nominal)
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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	2.68496	0.00000	0.00000
-0.9999	34.7606	2.80052	7.47796	2.80052	0.00000
1.0001	34.7611	2.97170	7.67386	2.97170	-0.00000
15.0001	34.7616	4.26562	9.01638	4.26562	0.00000
18.5001	34.7616	4.61191	9.34257	4.61190	-0.00000
32.5001	34.7487	6.06554	10.60134	6.06554	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