Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1335
CALIBRATION DATE: 15-Aug-12

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

GHIJ COEFFICIENTS

```
g = -3.97252295e+000
h =  5.02171854e-001
i = -6.88403428e-005
j =  3.17265022e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  2.10600789e-005
b =  5.01987117e-001
c = -3.97210703e+000
d = -8.53112368e-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	2.81243	0.00000	0.00000
-1.0000	34.7838	2.80220	7.97036	2.80221	0.00000
1.0001	34.7841	2.97348	8.18020	2.97349	0.00001
15.0000	34.7857	4.26826	9.61725	4.26822	-0.00004
18.5000	34.7855	4.61472	9.96615	4.61474	0.00001
29.0001	34.7841	5.69765	10.98384	5.69771	0.00006
32.5001	34.7767	6.06988	11.31190	6.06984	-0.00004

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