Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1030
CALIBRATION DATE: 18-Jul-13

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

GHIJ COEFFICIENTS

```
g = -4.06917682e+000
h =  5.73397006e-001
i = -3.31674836e-005
j =  3.48997900e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  3.25182491e-005
b =  5.73276136e-001
c = -4.06878646e+000
d = -8.22381018e-005
m =  4.0
CPcor = -9.5700e-008 (nominal)
```

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	2.66357	0.00000	0.00000
-1.0000	34.8468	2.80680	7.47537	2.80681	0.00001
1.0001	34.8476	2.97839	7.67171	2.97840	0.00000
15.0001	34.8492	4.27523	9.01666	4.27523	0.00000
18.5000	34.8497	4.62232	9.34329	4.62228	-0.00004
29.0001	34.8487	5.70704	10.29645	5.70712	0.00009
32.5001	34.8447	6.08039	10.60414	6.08034	-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