Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1070
CALIBRATION DATE: 18-Jul-13

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

GHIJ COEFFICIENTS

```
g = -4.10559895e+000
h =  5.93735069e-001
i = -7.40863298e-005
j =  3.60265781e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  2.39335465e-005
b =  5.93554238e-001
c = -4.10527984e+000
d = -8.55268833e-005
m =  4.1
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	2.62949	0.00000	0.00000
-1.0000	34.8468	2.80680	7.35260	2.80681	0.00001
1.0001	34.8476	2.97839	7.54557	2.97839	0.00000
15.0001	34.8492	4.27523	8.86768	4.27523	-0.00001
18.5000	34.8497	4.62232	9.18884	4.62229	-0.00004
29.0001	34.8487	5.70704	10.12610	5.70713	0.00009
32.5001	34.8447	6.08039	10.42870	6.08034	-0.00006

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