Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1070
CALIBRATION DATE: 13-Mar-12

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

GHIJ COEFFICIENTS

```
g = -4.10097283e+000
h =  5.93300018e-001
i = -4.19928901e-005
j =  3.76532270e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  3.47230831e-005
b =  5.93140196e-001
c = -4.10041405e+000
d = -8.10882092e-005
m =  4.0
CPcor = -9.5700e-008 (nominal)
```

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	2.62876	0.00000	0.00000
-0.9999	34.7866	2.80242	7.34775	2.80241	-0.00000
1.0001	34.7863	2.97365	7.54044	2.97366	0.00001
15.0001	34.7862	4.26832	8.86089	4.26830	-0.00002
18.5001	34.7854	4.61472	9.18157	4.61473	0.00000
29.0001	34.7843	5.69768	10.11750	5.69771	0.00003
32.5001	34.7789	6.07022	10.41957	6.07019	-0.00002

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