Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1029
CALIBRATION DATE: 25-Feb-14

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

GHIJ COEFFICIENTS

```
g = -3.98420429e+000
h =  5.40076620e-001
i = -6.76534038e-005
j =  3.31072500e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  2.20794475e-005
b =  5.39909874e-001
c = -3.98391408e+000
d = -8.63432693e-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	2.71593	0.00000	0.00000
-1.0000	34.8083	2.80399	7.69013	2.80400	0.00000
1.0000	34.8087	2.97538	7.89257	2.97537	-0.00000
15.0000	34.8083	4.27074	9.27917	4.27073	-0.00000
18.5000	34.8080	4.61739	9.61585	4.61739	-0.00000
29.0000	34.8065	5.70089	10.59812	5.70090	0.00001
32.5000	34.7999	6.07345	10.91499	6.07345	-0.00001

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