Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0369
CALIBRATION DATE: 27-Nov-13

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

GHIJ COEFFICIENTS

```
g = -4.28423932e+000
h =  5.37477716e-001
i = -2.42202782e-003
j =  1.62628991e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  1.35039407e-008
b =  5.27373615e-001
c = -4.24403758e+000
d = -2.16740446e-005
m =  7.1
CPcor = -9.5700e-008 (nominal)
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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	2.83803	0.00000	0.00000
-1.0000	34.8002	2.80340	7.82003	2.80340	0.00000
1.0000	34.8007	2.97476	8.02443	2.97475	-0.00001
15.0000	34.8015	4.26999	9.42364	4.27000	0.00001
18.5000	34.8011	4.61657	9.76289	4.61658	0.00001
29.0000	34.7998	5.69992	10.75114	5.69988	-0.00004
32.5002	34.7935	6.07249	11.06950	6.07251	0.00003

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