Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1898
CALIBRATION DATE: 25-Feb-14

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

GHIJ COEFFICIENTS

```
g = -1.05861318e+001
h =  1.51744281e+000
i =  1.62331862e-004
j =  6.93574688e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  1.59123806e-004
b =  1.51754238e+000
c = -1.05862665e+001
d = -8.47728199e-005
m =  3.7
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	2.64047	0.00000	0.00000
-1.0000	34.8083	2.80399	5.04097	2.80399	-0.00000
1.0000	34.8087	2.97538	5.15144	2.97537	-0.00001
15.0000	34.8083	4.27074	5.91978	4.27075	0.00002
18.5000	34.8080	4.61739	6.10891	4.61738	-0.00000
29.0000	34.8065	5.70089	6.66535	5.70086	-0.00003
32.5000	34.7999	6.07345	6.84618	6.07347	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