Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2304
CALIBRATION DATE: 03-Jul-12

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

GHIJ COEFFICIENTS

```
g = -1.04583602e+001
h =  1.58099517e+000
i = -3.24732782e-003
j =  3.50874795e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  3.61881269e-007
b =  1.57221284e+000
c = -1.04399282e+001
d = -7.67170846e-005
m =  6.6
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	2.57690	0.00000	0.00000
-0.9986	34.6588	2.79319	4.93940	2.79319	0.00000
1.0000	34.6593	2.96382	5.04795	2.96382	0.00000
15.0000	34.6606	4.25453	5.80315	4.25453	-0.00000
18.5000	34.6605	4.59993	5.98895	4.59992	-0.00001
29.0000	34.6584	5.67936	6.53527	5.67938	0.00002
32.5001	34.6513	6.05047	6.71265	6.05046	-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