Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2489
CALIBRATION DATE: 11-Jan-12

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

GHIJ COEFFICIENTS

```
g = -1.03311807e+001
h =  1.61601535e+000
i = -2.34248543e-003
j =  2.73576439e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  7.53072228e-007
b =  1.61004949e+000
c = -1.03198535e+001
d = -8.32213162e-005
m =  6.2
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	2.53171	0.00000	0.00000
-1.0000	34.8590	2.80769	4.88260	2.80771	0.00002
1.0000	34.8597	2.97932	4.99042	2.97931	-0.00002
15.0000	34.8590	4.27630	5.73991	4.27629	-0.00000
18.5000	34.8586	4.62337	5.92429	4.62336	-0.00002
29.0000	34.8559	5.70807	6.46641	5.70812	0.00004
32.5000	34.8476	6.08083	6.64233	6.08080	-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