Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2147
CALIBRATION DATE: 29-Jun-12

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

GHIJ COEFFICIENTS

```
g = -1.00476180e+001
h =  1.40389245e+000
i = -2.77152621e-003
j =  2.56554213e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  9.21896126e-009
b =  1.39547151e+000
c = -1.00265764e+001
d = -7.05501414e-005
m =  8.0
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	2.68059	0.00000	0.00000
-0.9999	34.7546	2.80008	5.21987	2.80007	-0.00001
1.0000	34.7551	2.97123	5.33602	2.97124	0.00001
15.0000	34.7569	4.26510	6.14299	4.26509	-0.00000
18.5001	34.7567	4.61133	6.34142	4.61134	0.00001
29.0001	34.7561	5.69358	6.92471	5.69356	-0.00002
32.5001	34.7497	6.06570	7.11411	6.06571	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