Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3061
CALIBRATION DATE: 07-Jul-12

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

GHIJ COEFFICIENTS

```
g = -9.81107499e+000
h =  1.16948339e+000
i =  7.34483942e-005
j =  4.42963869e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  9.95036662e-005
b =  1.16941058e+000
c = -9.81061596e+000
d = -8.28932565e-005
m =  3.7
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	2.89570	0.00000	0.00000
-0.9999	34.9530	2.81457	5.69248	2.81454	-0.00003
1.0001	34.9529	2.98653	5.81987	2.98656	0.00003
15.0001	34.9547	4.28680	6.70455	4.28678	-0.00001
18.5001	34.9542	4.63469	6.92202	4.63473	0.00003
29.0001	34.9503	5.72180	7.56097	5.72174	-0.00005
32.5001	34.9372	6.09469	7.76802	6.09473	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