Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3657
CALIBRATION DATE: 25-Jan-12

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

GHIJ COEFFICIENTS

```
g = -9.89956684e+000
h =  1.40182457e+000
i = -2.95123653e-003
j =  2.93400396e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  8.56928948e-008
b =  1.39332203e+000
c = -9.87999135e+000
d = -7.88265076e-005
m =  7.1
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	2.66292	0.00000	0.00000
-1.0000	34.9273	2.81268	5.22211	2.81268	-0.00000
1.0000	34.9274	2.98455	5.33880	2.98455	-0.00000
15.0000	34.9272	4.28377	6.14918	4.28380	0.00002
18.5000	34.9274	4.63151	6.34836	4.63150	-0.00001
29.0000	34.9268	5.71837	6.93368	5.71835	-0.00003
32.5000	34.9214	6.09224	7.12377	6.09226	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