Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0655
CALIBRATION DATE: 11-Jan-12

SBE16 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

```
g = -3.97291422e+000
h =  4.74613375e-001
i =  9.48119886e-004
j = -1.39472108e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  4.27194053e-003
b =  4.69084959e-001
c = -3.96366133e+000
d = -9.28357368e-005
m =  2.5
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)
22.0000	0.0000	0.00000	2.88529	0.00000	0.00000
0.9999	34.9075	2.98301	8.37808	2.98300	-0.00001
4.5000	34.8868	3.29072	8.74878	3.29073	0.00001
14.9999	34.8423	4.27445	9.83919	4.27446	0.00000
18.5000	34.8321	4.62024	10.19436	4.62023	-0.00000
24.0000	34.8201	5.17913	10.74322	5.17913	-0.00000
29.0000	34.8102	5.70143	11.23154	5.70143	0.00000

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