Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0658
CALIBRATION DATE: 14-Jan-12

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

GHIJ COEFFICIENTS

```
g = -4.07203796e+000
h =  4.87922583e-001
i =  3.23748921e-004
j =  1.72173454e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  1.88705614e-004
b =  4.88108582e-001
c = -4.06970790e+000
d = -7.96294918e-005
m =  3.4
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	2.88570	0.00000	0.00000
1.0000	34.9410	2.98561	8.30587	2.98559	-0.00002
4.5000	34.9206	3.29359	8.67276	3.29361	0.00001
15.0000	34.8767	4.27824	9.75184	4.27825	0.00001
18.5000	34.8667	4.62433	10.10326	4.62435	0.00002
24.0000	34.8547	5.18371	10.64609	5.18365	-0.00005
29.0000	34.8445	5.70642	11.12899	5.70643	0.00002
32.5000	34.8363	6.07908	11.46048	6.07909	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