Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0538
CALIBRATION DATE: 13-Jan-12

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

GHIJ COEFFICIENTS

```
g = -3.93392006e+000
h =  4.71386872e-001
i =  3.36942675e-004
j =  1.09649509e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  2.13123368e-004
b =  4.71570748e-001
c = -3.93191011e+000
d = -8.12386906e-005
m =  3.3
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	2.88559	0.00000	0.00000
1.0000	34.7921	2.97409	8.41987	2.97409	-0.00001
4.5000	34.7718	3.28094	8.79336	3.28094	0.00000
14.9999	34.7278	4.26189	9.89179	4.26192	0.00002
18.5000	34.7175	4.60667	10.24943	4.60667	-0.00001
24.0000	34.7060	5.16403	10.80212	5.16402	-0.00001
29.0000	34.6982	5.68515	11.29395	5.68514	-0.00001
32.5000	34.6915	6.05668	11.63164	6.05669	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