Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0539
CALIBRATION DATE: 12-Feb-14

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

GHIJ COEFFICIENTS

```
g = -3.86940522e+000
h =  4.61881817e-001
i =  1.07333706e-003
j = -1.69818484e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  7.46618366e-003
b =  4.52015877e-001
c = -3.85542200e+000
d = -8.61833996e-005
m =  2.4
CPcor = -9.5700e-008 (nominal)
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2.88517	0.00000	0.00000
0.9998	34.7160	2.96819	8.45138	2.96821	0.00002
4.5000	34.6963	3.27452	8.82601	3.27449	-0.00002
15.0000	34.6548	4.25389	9.92797	4.25391	0.00001
18.5000	34.6462	4.59823	10.28687	4.59822	-0.00001
24.0000	34.6368	5.15487	10.84153	5.15487	0.00001
29.0001	34.6314	5.67544	11.33526	5.67544	0.00000
32.5000	34.6279	6.04684	11.67451	6.04684	-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