Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0539
CALIBRATION DATE: 05-Feb-14

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

GHIJ COEFFICIENTS

```
g = -4.03206998e+000
h =  4.81180791e-001
i =  9.14667342e-004
j = -9.16171866e-006
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  3.08801352e-003
b =  4.77013915e-001
c = -4.02249133e+000
d = -8.45388785e-005
m =  2.6
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	2.88706	0.00000	0.00000
1.0000	34.6873	2.96599	8.30781	2.96596	-0.00003
4.5000	34.6678	3.27209	8.67464	3.27212	0.00003
15.0000	34.6263	4.25076	9.75362	4.25079	0.00002
18.5000	34.6176	4.59485	10.10509	4.59482	-0.00002
24.0000	34.6081	5.15107	10.64837	5.15105	-0.00002
29.0000	34.6024	5.67121	11.13200	5.67123	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