Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0497
CALIBRATION DATE: 25-Feb-14

SBE4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

```
g = -4.25944329e+000
h =  4.59733608e-001
i = -2.75279747e-004
j =  3.23198936e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  2.71540964e-006
b =  4.58812661e-001
c = -4.25641292e+000
d = -8.72791888e-005
m =  4.7
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)
0.0000	0.0000	0.00000	3.04564	0.00000	0.00000
-1.0000	34.8083	2.80399	8.38226	2.80400	0.00001
1.0000	34.8087	2.97538	8.60121	2.97537	-0.00001
15.0000	34.8083	4.27074	10.10202	4.27074	0.00001
18.5000	34.8080	4.61739	10.46662	4.61739	-0.00000
29.0000	34.8065	5.70089	11.53066	5.70089	-0.00001
32.5000	34.7999	6.07345	11.87401	6.07346	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