Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0207
CALIBRATION DATE: 23-Jan-14

SBE19 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

```
g = -3.95513431e+000
h =  4.71972154e-001
i =  1.15026487e-003
j = -2.96931230e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  4.60499220e-002
b =  4.22373005e-001
c = -3.94114518e+000
d = -1.21320828e-004
m =  2.1
CPcor = -9.5700e-008 (nominal)
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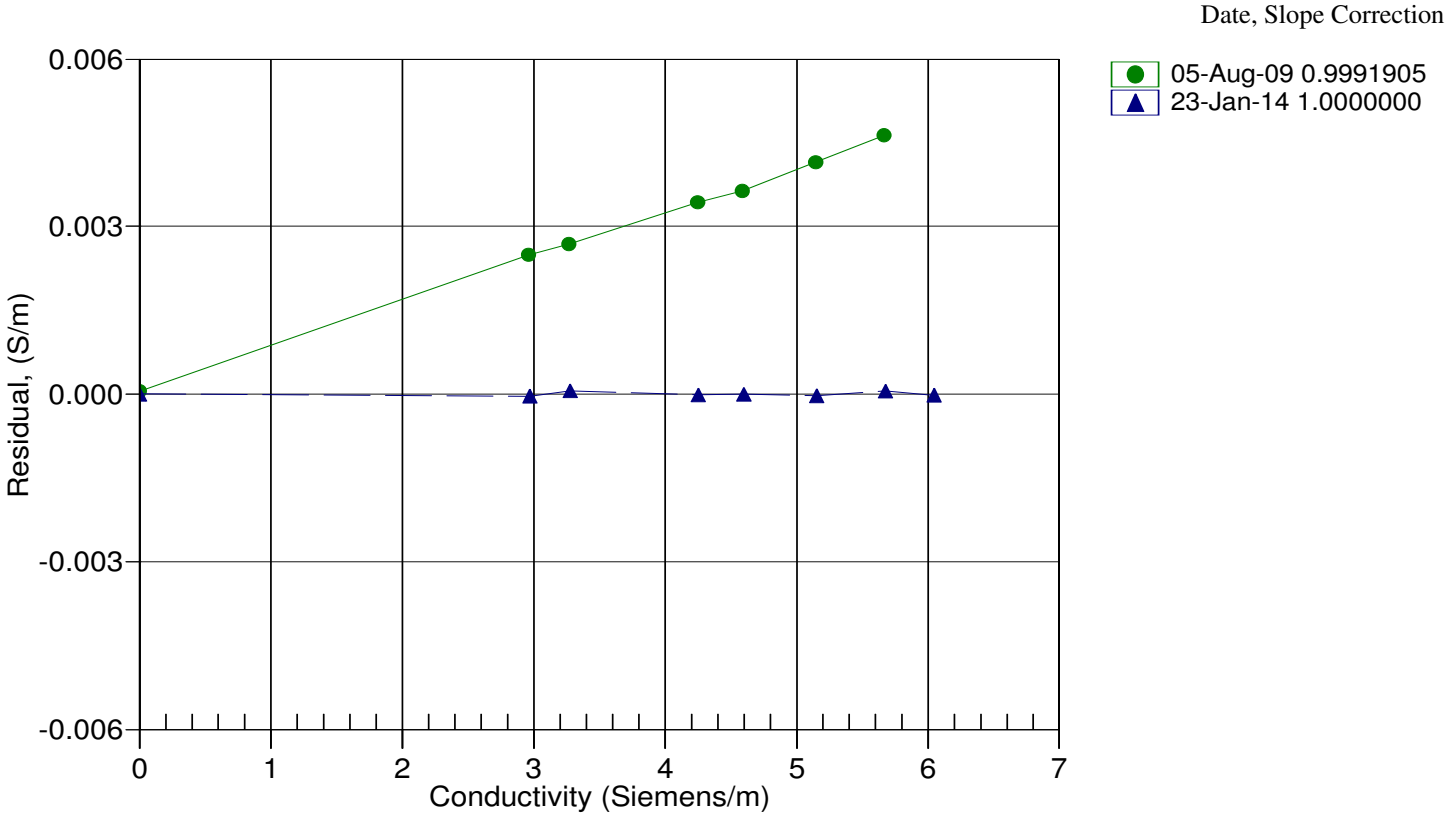
BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREO (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2.88545	0.00000	0.00000
1.0000	34.7015	2.96709	8.37397	2.96705	-0.00004
4.4999	34.6821	3.27330	8.74494	3.27336	0.00006
14.9999	34.6399	4.25225	9.83611	4.25223	-0.00002
18.5000	34.6310	4.59643	10.19178	4.59643	-0.00000
24.0000	34.6212	5.15280	10.74155	5.15277	-0.00003
28.9999	34.6160	5.67318	11.23131	5.67324	0.00005
32.4999	34.6128	6.04449	11.56788	6.04447	-0.00002

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