Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2670
CALIBRATION DATE: 17-Oct-13

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

GHIJ COEFFICIENTS

g = −9.76268941e+000
h = 1.30602044e+000
i = −9.98006005e−005
j = 7.62793708e−005
CPcor = −9.5700e−008 (nominal)
CTcor = 3.2500e−006 (nominal)

ABCDM COEFFICIENTS

a = 6.58604118e−005
b = 1.30577540e+000
c = −9.76234076e+000
d = −8.49602071e−005
m = 4.0
CPcor = −9.5700e−008 (nominal)

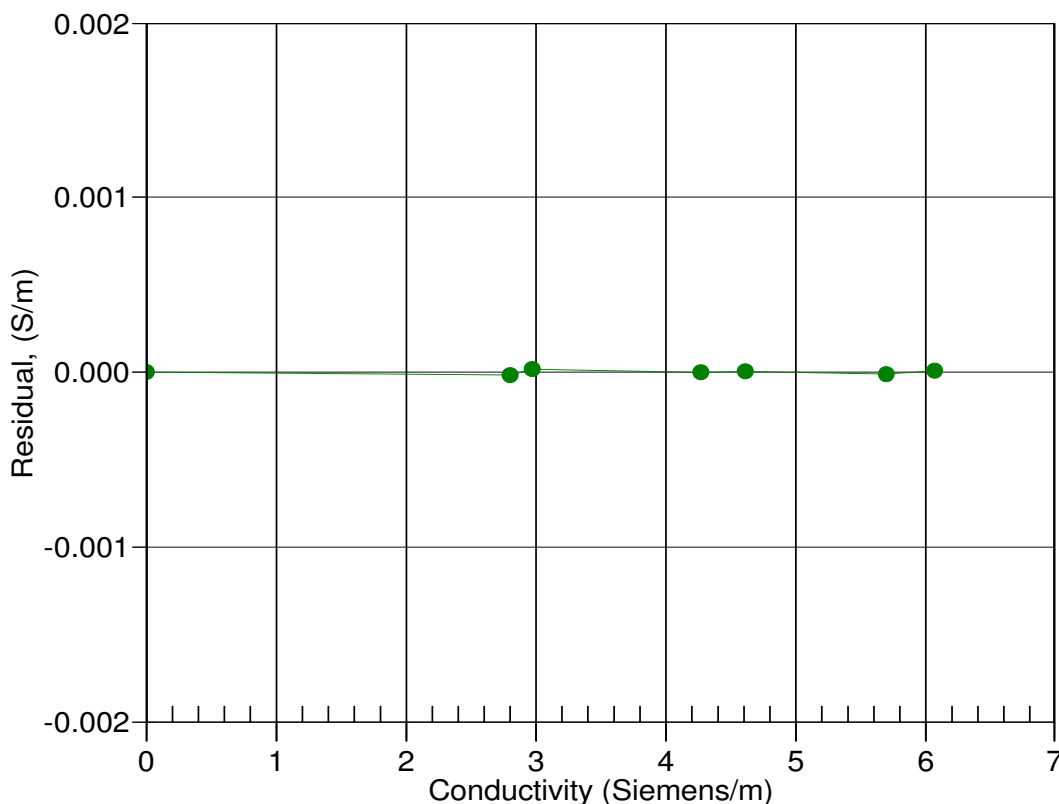| BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREO (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.73376	0.00000	0.00000
−0.9999	34.7619	2.80061	5.37419	2.80059	−0.00002
1.0000	34.7624	2.97180	5.49449	2.97181	0.00002
15.0000	34.7638	4.26585	6.32972	4.26585	−0.00000
18.5001	34.7632	4.61209	6.53500	4.61210	0.00000
29.0001	34.7617	5.69439	7.13837	5.69438	−0.00001
32.5001	34.7555	6.06660	7.33432	6.06660	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

Date, Slope Correction

17-Oct-13 1.0000000