

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2882
CALIBRATION DATE: 23-Apr-13

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

GHIJ COEFFICIENTS

g = -9.79799238e+000
h = 1.34564468e+000
i = 1.06906976e-004
j = 6.09447477e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.36209710e-004
b = 1.34559083e+000
c = -9.79759862e+000
d = -8.26184812e-005
m = 3.7
CPcor = -9.5700e-008 (nominal)

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	2.69765	0.00000	0.00000
-0.9999	34.8296	2.80556	5.29931	2.80554	-0.00002
1.0001	34.8295	2.97699	5.41784	2.97701	0.00002
15.0001	34.8299	4.27311	6.24098	4.27310	-0.00002
18.5001	34.8293	4.61992	6.44333	4.61993	0.00002
29.0001	34.8286	5.70412	7.03817	5.70411	-0.00000
32.5001	34.8238	6.07716	7.23145	6.07716	0.00000

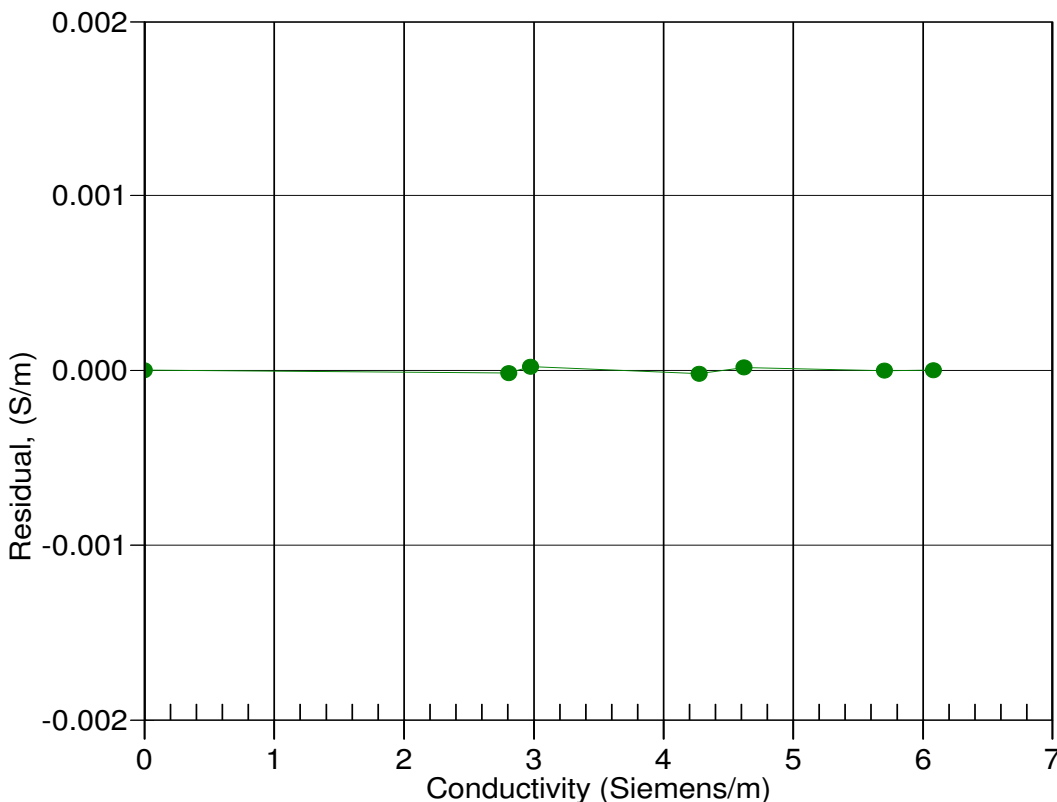
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

Conductivity = $(af^m + bf^2 + c + dt) / [10(1 + \epsilon p)]$ 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



23-Apr-13 1.0000000