

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2980
CALIBRATION DATE: 29-Jun-12

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

GHIJ COEFFICIENTS

g = -1.01304468e+001
h = 1.38336071e+000
i = 2.90388883e-004
j = 5.12001885e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.38032688e-004
b = 1.38342283e+000
c = -1.01301253e+001
d = -8.22772959e-005
m = 3.5
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	2.70498	0.00000	0.00000
-0.9999	34.7546	2.80008	5.24460	2.80008	0.00000
1.0000	34.7551	2.97123	5.36084	2.97123	0.00000
15.0000	34.7569	4.26510	6.16871	4.26508	-0.00001
18.5001	34.7567	4.61133	6.36745	4.61134	0.00001
29.0001	34.7561	5.69358	6.95180	5.69357	-0.00000
32.5001	34.7497	6.06570	7.14161	6.06570	0.00000

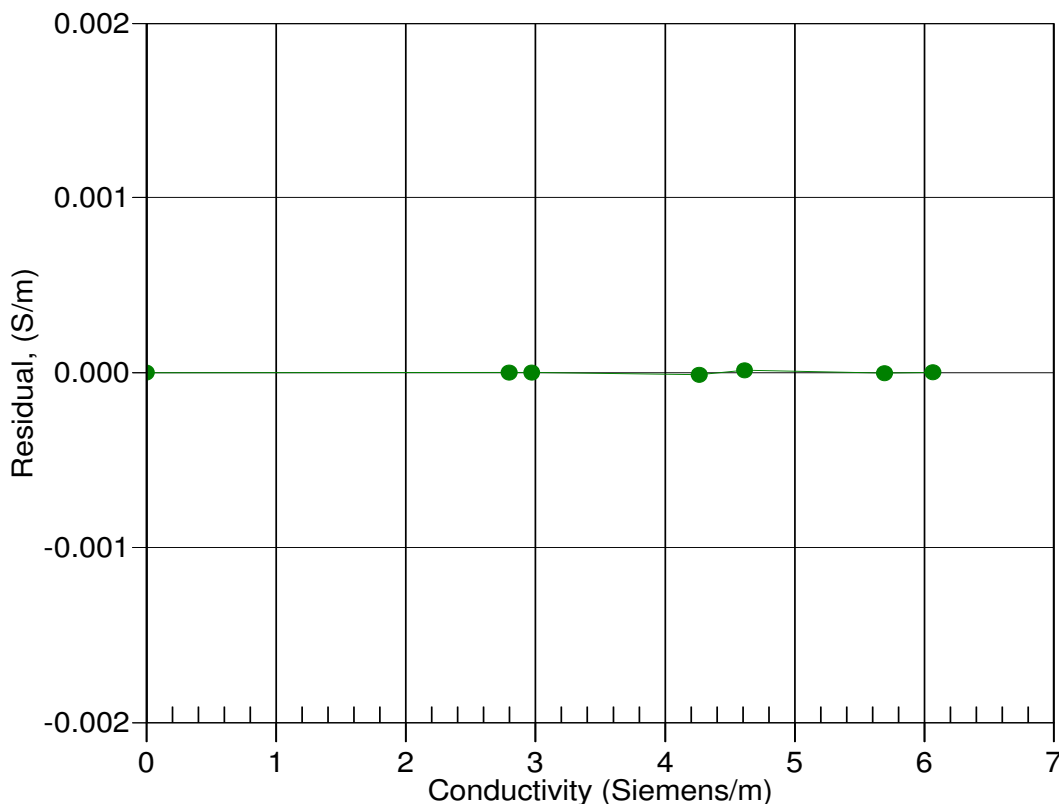
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



29-Jun-12 1.0000000