

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3657
CALIBRATION DATE: 23-Mar-12

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

GHIJ COEFFICIENTS

g = -9.90564197e+000
h = 1.40360087e+000
i = -3.39927695e-003
j = 3.24542613e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.99769547e-008
b = 1.39351939e+000
c = -9.88146060e+000
d = -7.28880098e-005
m = 7.6
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	2.66297	0.00000	0.00000
-0.9999	34.8871	2.80976	5.21997	2.80974	-0.00002
1.0001	34.8866	2.98141	5.33659	2.98143	0.00002
15.0001	34.8863	4.27930	6.14648	4.27930	0.00000
18.5000	34.8862	4.62664	6.34553	4.62663	-0.00001
29.0001	34.8842	5.71220	6.93041	5.71220	0.00000
32.5001	34.8761	6.08525	7.12014	6.08525	-0.00000

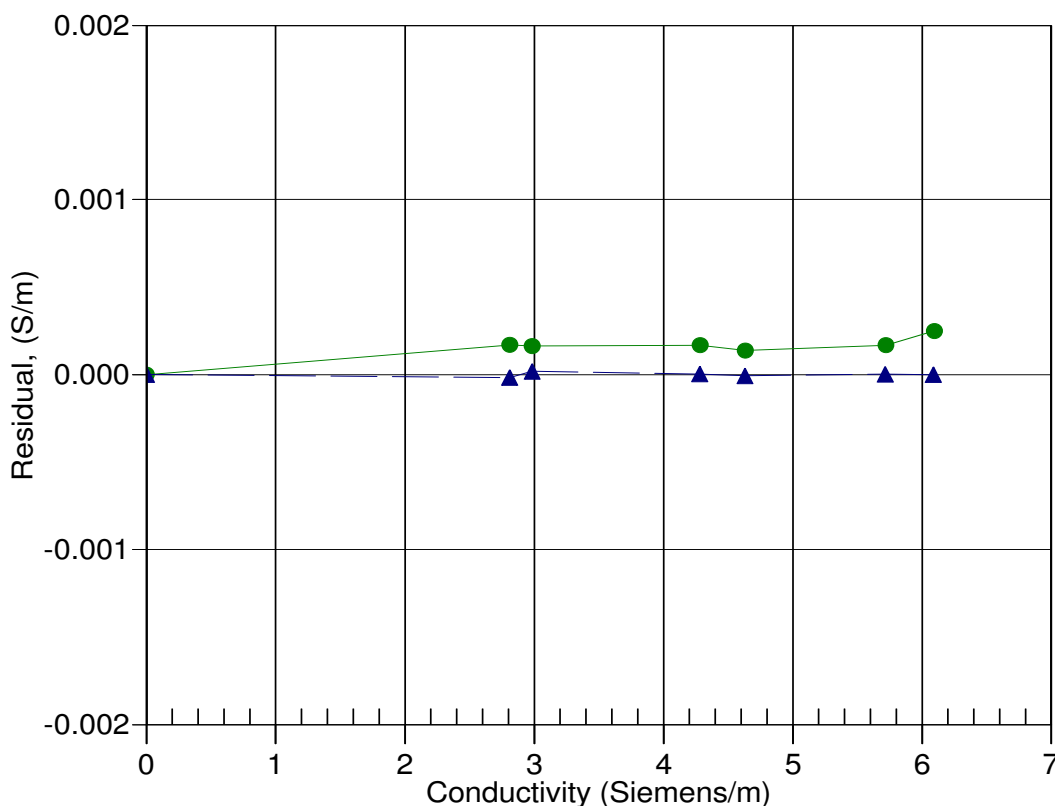
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



25-Jan-12 0.9999621
23-Mar-12 1.0000000