

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0369
CALIBRATION DATE: 06-May-15

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

GHIJ COEFFICIENTS

g = -4.28668149e+000
h = 5.38004803e-001
i = -2.50705323e-003
j = 1.66203771e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 8.08891598e-009
b = 5.27471723e-001
c = -4.24452575e+000
d = -1.88690878e-005
m = 7.3
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	2.83799	0.00000	0.00000
-1.0000	34.7310	2.79834	7.81360	2.79834	-0.00000
1.0000	34.7311	2.96938	8.01783	2.96938	0.00000
15.0000	34.7311	4.26227	9.41576	4.26225	-0.00002
18.5000	34.7300	4.60815	9.75471	4.60818	0.00003
29.0000	34.7288	5.68960	10.74214	5.68957	-0.00003
32.5000	34.7250	6.06187	11.06051	6.06188	0.00002

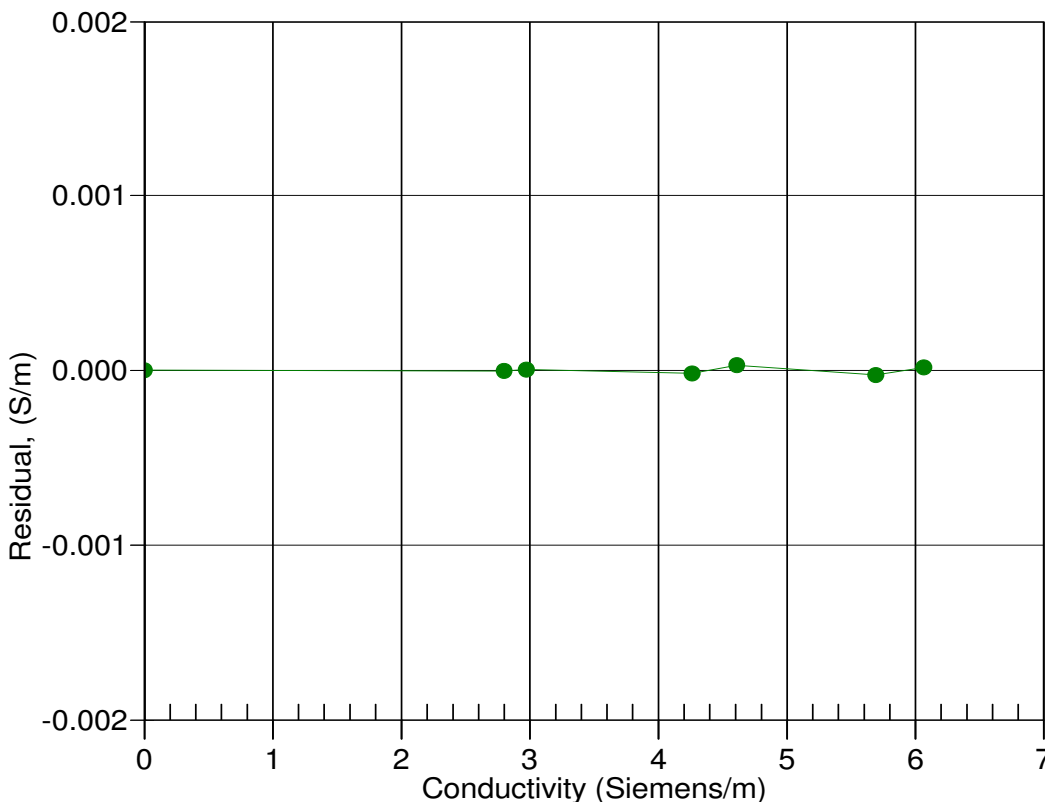
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



06-May-15 1.0000000