

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4402
CALIBRATION DATE: 02-Dec-14

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.80366115e+000
h = 1.30444729e+000
i = -2.90470309e-003
j = 2.66734026e-004

CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

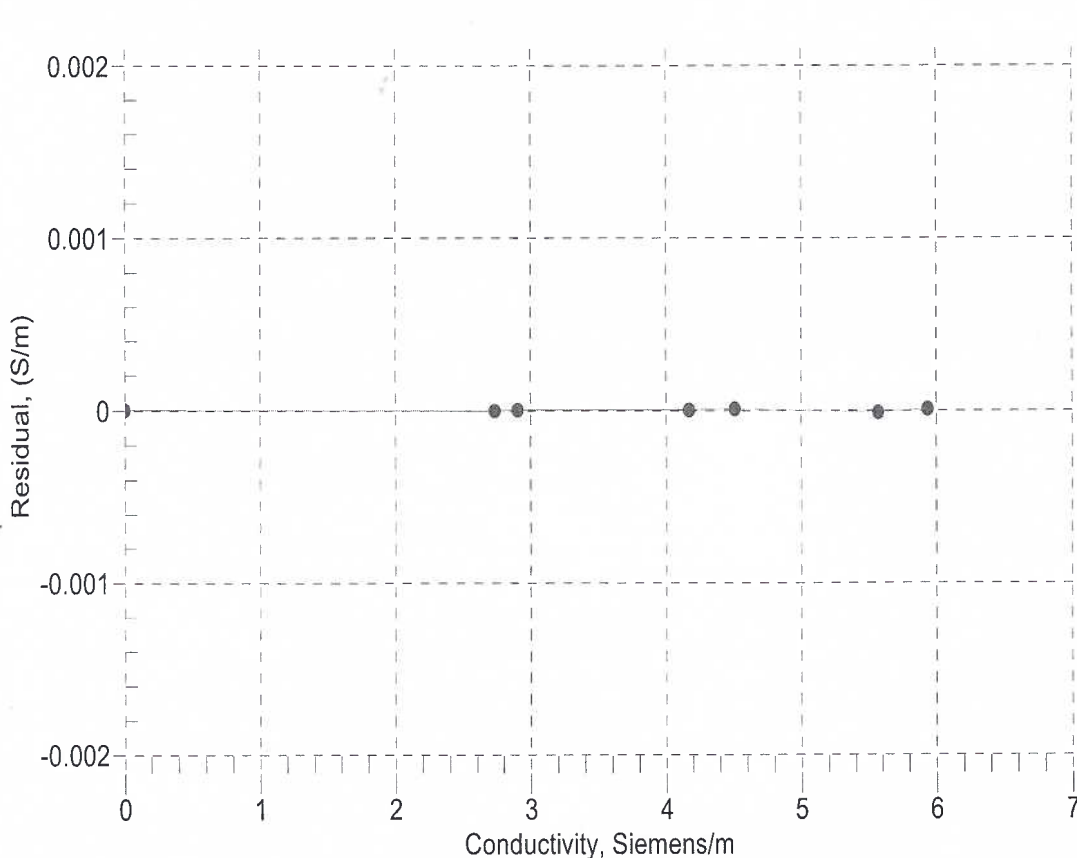
BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.74775	0.00000	0.00000
-1.0001	33.8866	2.73654	5.35423	2.73654	-0.00000
0.9999	33.8910	2.90428	5.47373	2.90428	0.00000
14.9999	33.8997	4.17086	6.30287	4.17086	0.00000
18.4999	33.9031	4.51008	6.50686	4.51008	0.00001
28.9999	33.9058	5.56969	7.10597	5.56968	-0.00001
32.4999	33.9005	5.93405	7.30048	5.93406	0.00001

f = INST FREQ / 1000.0

Conductivity = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$ Siemens / meter

t = temperature[°C]; p = pressure[decibars]; δ = CTcor; ϵ = CPcor;

Residual = instrument conductivity - bath conductivity



Date, Slope Correction
● 02-Dec-14 1.0000000