

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0670
CALIBRATION DATE: 18-Jul-13

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

GHIJ COEFFICIENTS

g = -4.31320321e+000
h = 4.57761246e-001
i = 3.42303115e-004
j = 3.91516362e-006
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.98721768e-004
b = 4.57805311e-001
c = -4.31295513e+000
d = -7.99514933e-005
m = 3.1
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	3.06595	0.00000	0.00000
-1.0000	34.8468	2.80680	8.38186	2.80681	0.00000
1.0001	34.8476	2.97839	8.60027	2.97840	0.00000
15.0001	34.8492	4.27523	10.09765	4.27524	0.00000
18.5000	34.8497	4.62232	10.46163	4.62228	-0.00004
29.0001	34.8487	5.70704	11.52446	5.70711	0.00008
32.5001	34.8447	6.08039	11.86780	6.08034	-0.00005

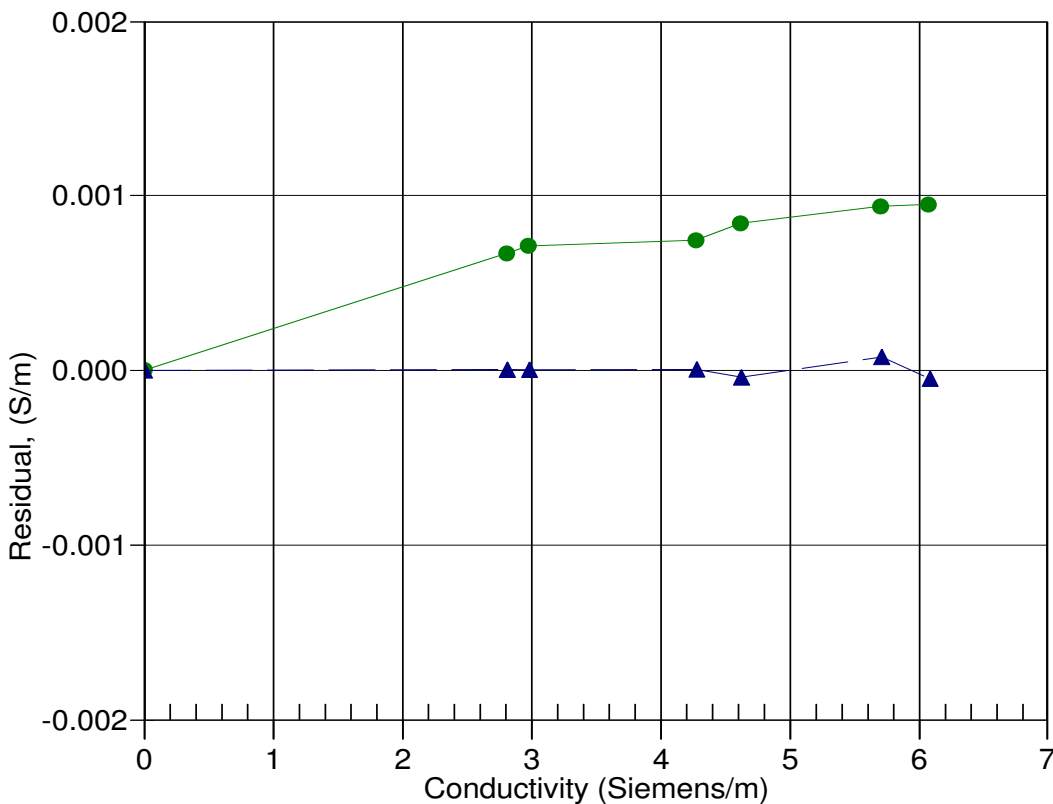
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 13-Mar-12 0.9998236
▲ 18-Jul-13 1.0000000