

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3079
CALIBRATION DATE: 09-Sep-11

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

GHIJ COEFFICIENTS

g = -1.05647860e+001
h = 1.48697987e+000
i = 5.74009191e-004
j = 4.38170817e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 4.75926594e-004
b = 1.48707924e+000
c = -1.05644791e+001
d = -8.20896327e-005
m = 3.3
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	2.66385	0.00000	0.00000
-1.0000	34.5916	2.78816	5.07793	2.78820	0.00004
1.0000	34.5933	2.95871	5.18911	2.95868	-0.00004
15.0000	34.5946	4.24728	5.96240	4.24726	-0.00002
18.5000	34.5943	4.59209	6.15277	4.59209	0.00001
29.0000	34.5912	5.66958	6.71270	5.66962	0.00004
32.5000	34.5819	6.03972	6.89444	6.03969	-0.00003

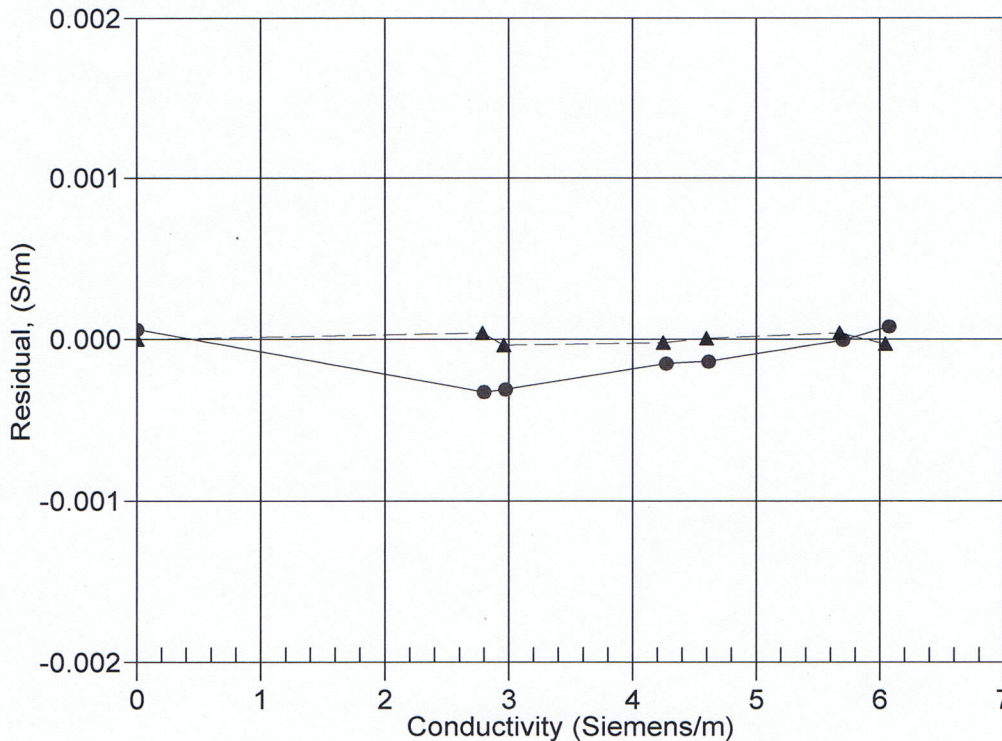
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 05-Mar-10 1.0000212
▲ 09-Sep-11 1.0000000