

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2206
CALIBRATION DATE: 13-Sep-01

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

GHIJ COEFFICIENTS

g = -1.05201784e+001
h = 1.66711397e+000
i = -2.36105966e-003
j = 2.77566965e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 6.32434330e-007
b = 1.66117030e+000
c = -1.05091561e+001
d = -8.24345112e-005
m = 6.3
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	2.51521	0.00000	0.00000
-1.4108	33.1684	2.65053	4.71973	2.65058	0.00005
1.0501	33.1708	2.85247	4.84662	2.85242	-0.00005
15.2244	33.1721	4.11170	5.57311	4.11168	-0.00002
18.7079	33.1721	4.44307	5.74898	4.44310	0.00003
32.7138	33.1706	5.84255	6.43831	5.84254	-0.00000

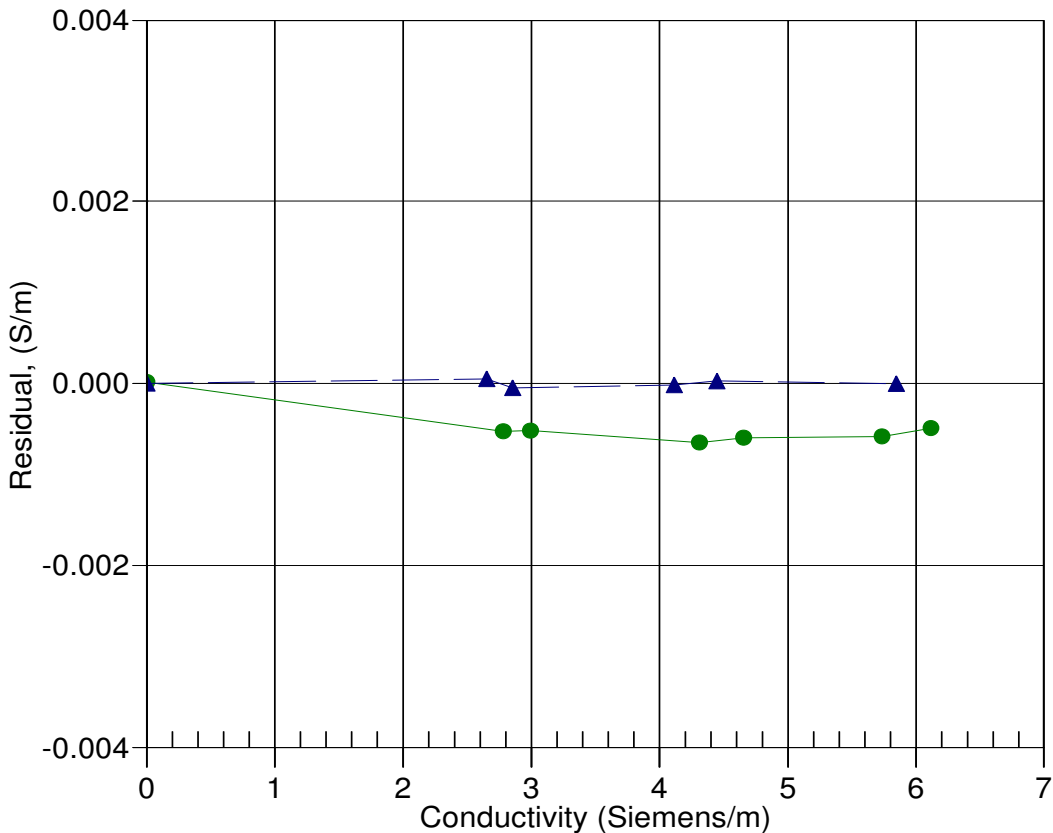
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 02-Mar-01 1.0001180
▲ 13-Sep-01 1.0000000