

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3202
CALIBRATION DATE: 15-May-09

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

GHIJ COEFFICIENTS

g = -1.02547075e+001
h = 1.43788439e+000
i = -3.37745525e-003
j = 3.16927129e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.75921974e-008
b = 1.42776393e+000
c = -1.02304399e+001
d = -1.81523363e-005
m = 7.8
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	2.67685	0.00000	0.00000
-1.0000	34.6685	2.79378	5.16994	2.79373	-0.00005
1.0219	34.6688	2.96645	5.28560	2.96649	0.00004
15.0000	34.6711	4.25568	6.07922	4.25571	0.00002
29.0000	34.6705	5.68112	6.84945	5.68106	-0.00006
32.5000	34.6659	6.05272	7.03628	6.05277	0.00004

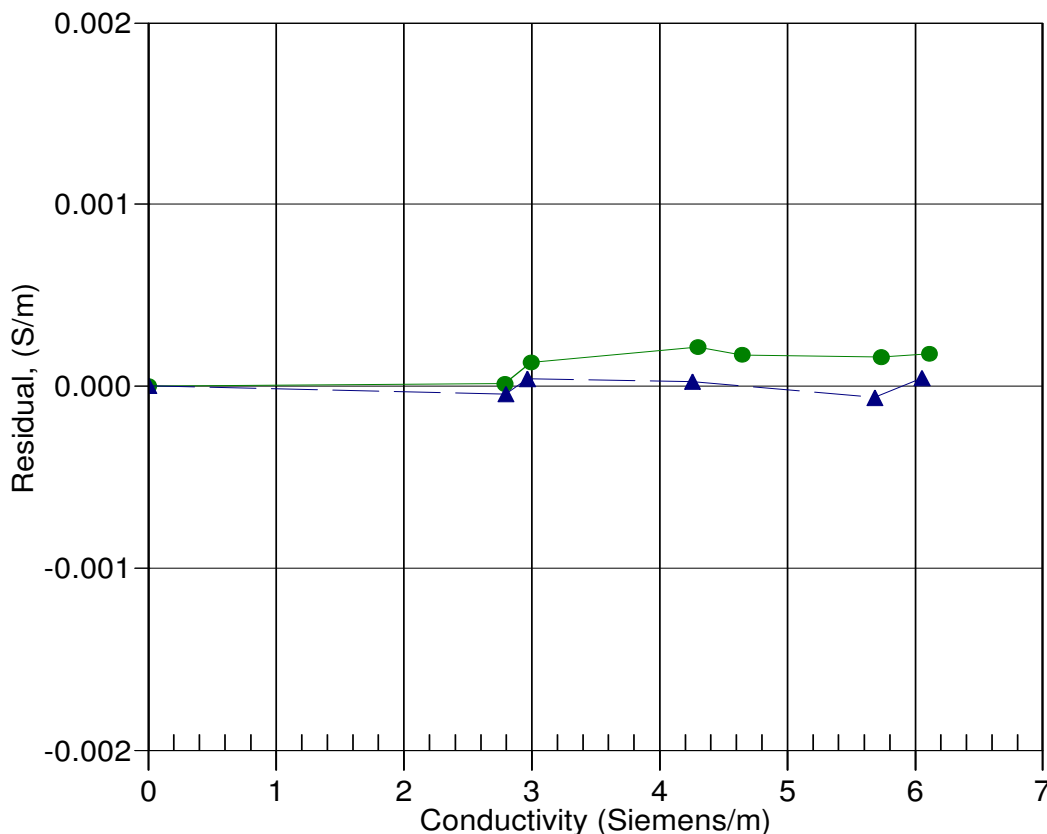
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



08-Jun-06 0.9999675
15-May-09 1.0000000