

SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 2206
CALIBRATION DATE: 13-Nov-98

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

GHIJ COEFFICIENTS

g = -1.05188463e+001
h = 1.66714975e+000
i = -2.43225398e-003
j = 2.74458692e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 4.63356570e-007
b = 1.66080367e+000
c = -1.05063104e+001
d = -7.87130462e-005
m = 6.4
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	2.51518	0.00000	0.00000
-1.4081	34.3364	2.73540	4.77390	2.73537	-0.00003
1.1315	34.3370	2.95013	4.90738	2.95017	0.00004
15.2506	34.3370	4.24325	5.64429	4.24323	-0.00001
18.6884	34.3358	4.58011	5.82088	4.58011	0.00000
29.2313	34.3345	5.65644	6.35197	5.65645	0.00001
32.6707	34.3303	6.01888	6.52097	6.01888	-0.00001

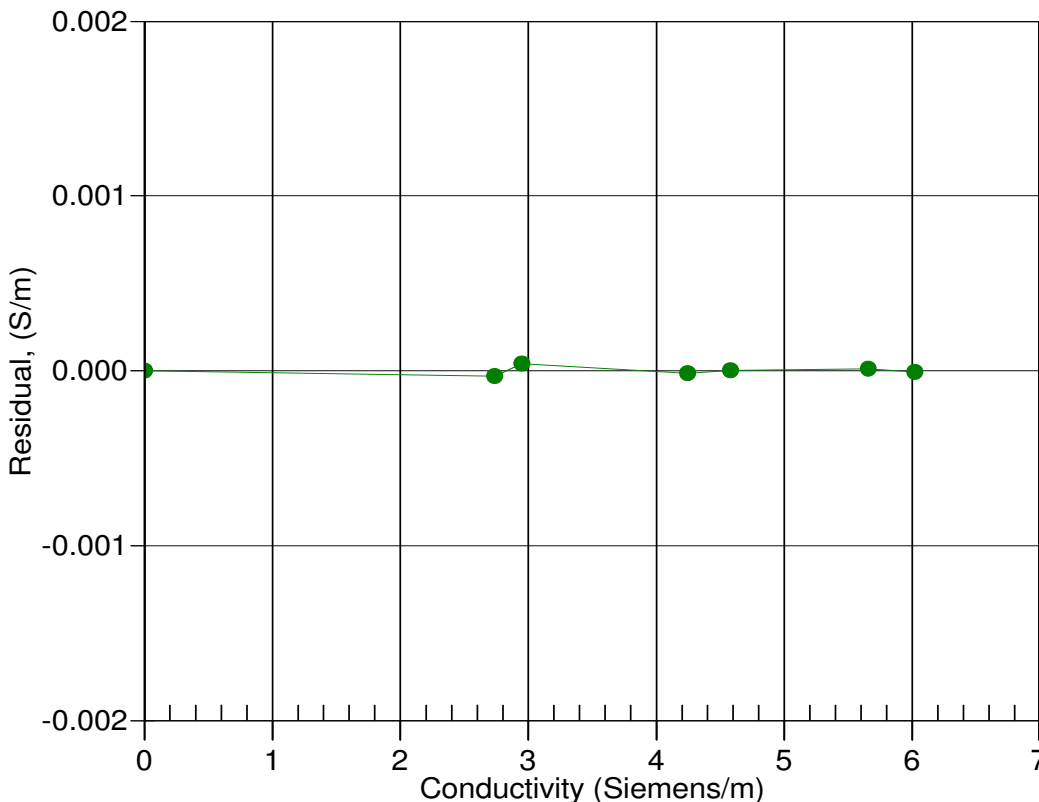
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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-Nov-98 1.0000000