

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: 0357
CALIBRATION DATE: 13-Sep-01

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

GHIJ COEFFICIENTS

g = -4.05594048e+000
h = 4.73968432e-001
i = 3.80139421e-005
j = 2.61590522e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 3.65842824e-005
b = 4.74050015e-001
c = -4.05620872e+000
d = -8.26327667e-005
m = 3.9
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	2.92427	0.00000	0.00000
-1.4108	33.1684	2.65053	8.01323	2.65060	0.00007
1.0501	33.1708	2.85247	8.27255	2.85240	-0.00007
15.2244	33.1721	4.11170	9.73353	4.11164	-0.00006
18.7079	33.1721	4.44307	10.08236	4.44314	0.00007
32.7138	33.1706	5.84255	11.43570	5.84254	-0.00001

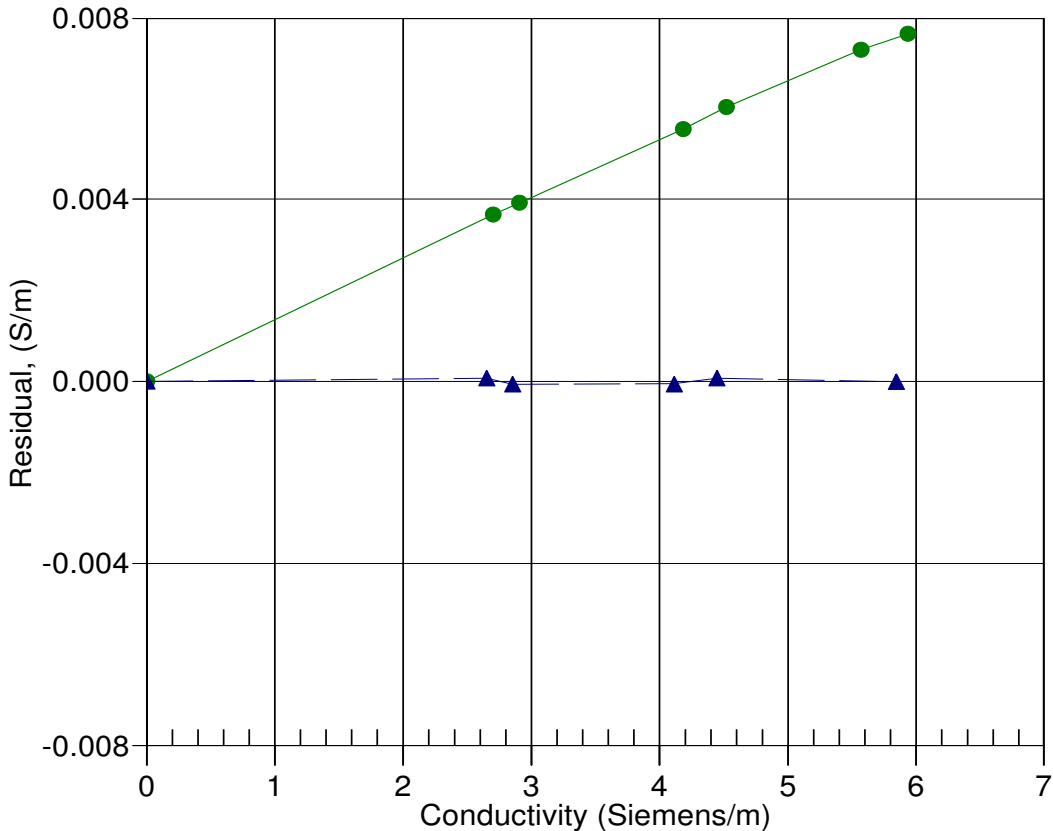
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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



● 19-Feb-99 0.9986891
▲ 13-Sep-01 1.0000000