

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: 2973
CALIBRATION DATE: 17-Aug-06

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

GHIJ COEFFICIENTS

g = -1.07525480e+001
h = 1.45425369e+000
i = -3.38537535e-004
j = 8.92066190e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 3.74330370e-005
b = 1.45343959e+000
c = -1.07509219e+001
d = -8.31681772e-005
m = 4.2
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	2.71941	0.00000	0.00000
-1.0002	34.7866	2.80239	5.16259	2.80236	-0.00003
1.0373	34.7870	2.97693	5.27743	2.97696	0.00003
14.9998	34.7878	4.26847	6.05938	4.26848	0.00001
18.4999	34.7879	4.61500	6.25247	4.61500	-0.00000
28.9999	34.7872	5.69808	6.82060	5.69805	-0.00003
32.4999	34.7841	6.07100	7.00551	6.07102	0.00002

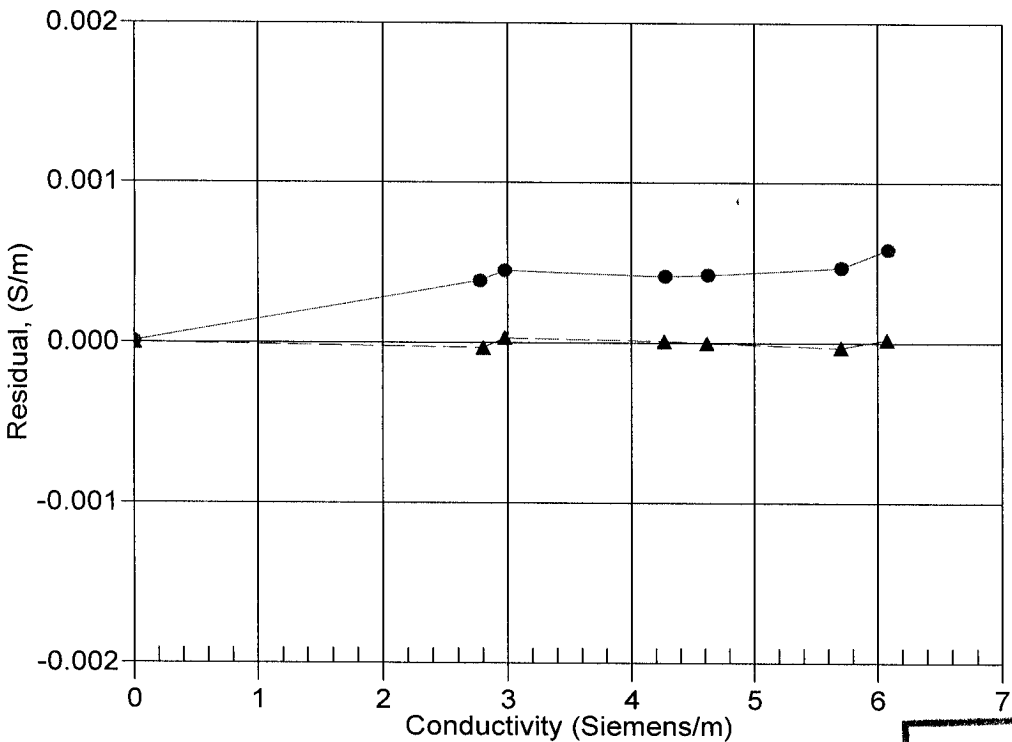
Conductivity = (g + hf² + if³ + jf⁴) / 10(1 + δt + εp) Siemens/meter

Conductivity = (af^m + bf² + c + dt) / [10 (1 +εp) 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



**POST CRUISE
CALIBRATION**