

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: 1347
CALIBRATION DATE: 12-Apr-05

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

GHIJ COEFFICIENTS

g = -3.90810331e+000
h = 5.07621227e-001
i = 2.50252941e-003
j = -7.05585594e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

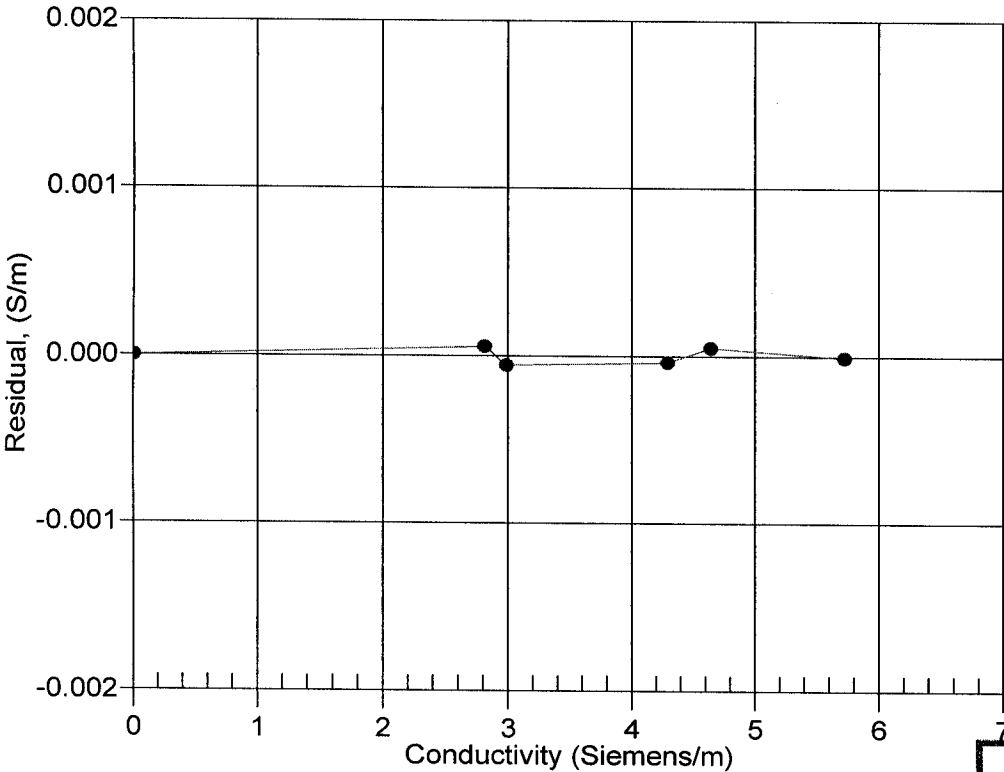
a = 9.12498453e-002
b = 4.10514385e-001
c = -3.89048907e+000
d = -1.67451773e-004
m = 2.1
CPcor = -9.5700e-008 (nominal)

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	2.75745	0.00000	0.00000
-0.9998	34.9684	2.81570	7.83094	2.81575	0.00005
1.0002	34.9685	2.98775	8.03599	2.98769	-0.00006
15.0001	34.9693	4.28840	9.44129	4.28836	-0.00004
18.5001	34.9694	4.63649	9.78267	4.63654	0.00005
29.0002	34.9676	5.72432	10.77866	5.72431	-0.00001

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

12-Apr-05 1.0000000



CALIBRATION
AFTER
MODIFICATIONS