

SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington 98005 USA
Phone: (425) 643 - 9866 Fax: (425) 643 - 9954 Internet: seabird@seabird.com

SENSOR SERIAL NUMBER = 1347
CALIBRATION DATE: 18-Nov-99s

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

GHIJ COEFFICIENTS

g = -3.70618225e+00
h = 4.87226690e-01
i = -1.60158197e-05
j = 3.08290453e-05
CPcor = -9.57e-08 (nominal)
CTcor = 3.25e-06 (nominal)

ABCDM COEFFICIENTS

a = 2.95882428e-05
b = 4.87178226e-01
c = -3.70610763e+00
d = -8.49927835e-05
m = 4.0
CPcor = -9.57e-08 (nominal)

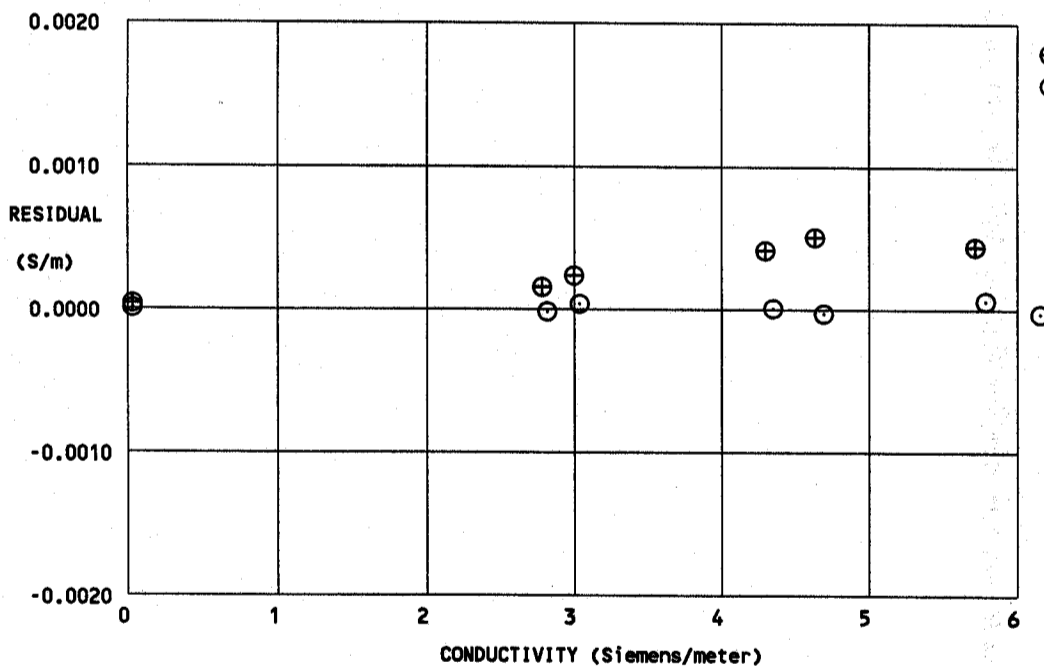
BATH TEMP (IPTS-68 °C)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.75748	-0.00000	-0.00000
-1.3926	35.0236	2.78637	8.03416	2.78635	-0.00002
1.1473	35.0234	3.00478	8.30640	3.00481	0.00003
15.2656	35.0230	4.32008	9.78411	4.32008	0.00000
18.7035	35.0213	4.66267	10.13297	4.66264	-0.00003
29.2468	35.0120	5.75629	11.17242	5.75635	0.00006
32.6861	35.0034	6.12417	11.50031	6.12414	-0.00003

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 [deg C]; p = pressure [decibars]; δ = CTcor; ϵ = CPcor;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients



calibration date	slope correction
⊕ 10-Sep-98s	0.999914
⊙ 18-Nov-99s	1.000000

