

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 = 775
 CALIBRATION DATE: 28-May-98

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

GHIJ COEFFICIENTS

g = -4.10567007e+00
 h = 4.90949896e-01
 i = 8.50354585e-04
 j = -1.11607772e-05
 CPcor = -9.57e-08 (nominal)
 CTcor = 3.25e-06 (nominal)

ABCDM COEFFICIENTS

a = 2.61776724e-03
 b = 4.87861332e-01
 c = -4.10143263e+00
 d = -9.04128300e-05
 m = 2.6
 CPcor = -9.57e-08 (nominal)

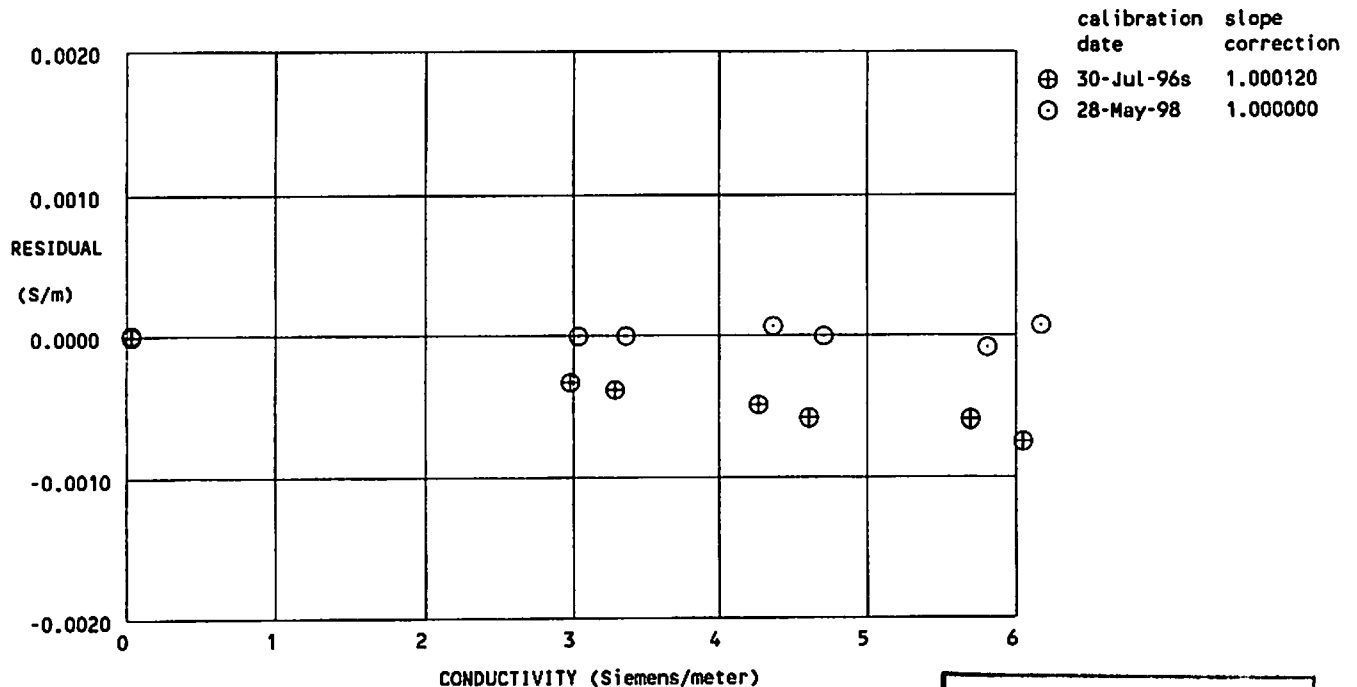
BATH TEMP (ITS-90 °C)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.88491	0.00000	0.00000
1.0380	35.1274	3.00330	8.28600	3.00329	-0.00001
4.7060	35.1276	3.32973	8.67093	3.32972	-0.00001
15.3140	35.1276	4.33638	9.76166	4.33644	0.00006
18.7370	35.1274	4.67865	10.10524	4.67864	-0.00001
29.2860	35.1272	5.77728	11.13577	5.77719	-0.00009
32.6590	35.1228	6.13974	11.45528	6.13980	0.00006

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 AFTER
 CLEANING AND
 REPLATINIZING CELL**