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: 27-Feb-03s

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

GHIJ COEFFICIENTS

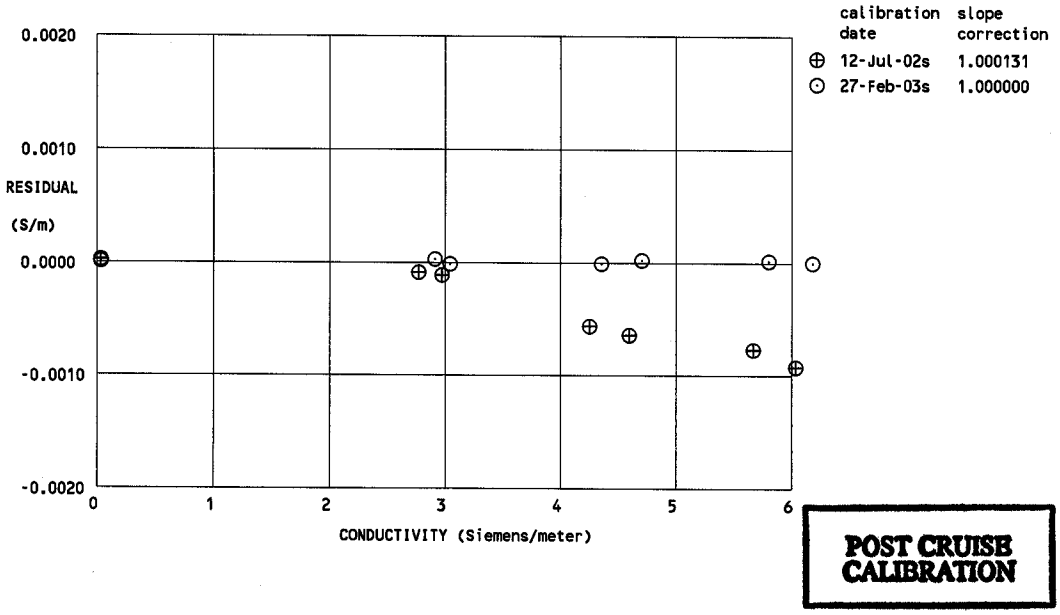
g = -3.70721712e+00
h = 4.87414598e-01
i = -4.10263657e-05
j = 3.31999430e-05
CPcor = -9.57e-08 (nominal)
CTcor = 3.25e-06 (nominal)

ABCDM COEFFICIENTS

a = 3.07407818e-05
b = 4.87231348e-01
c = -3.70638107e+00
d = -7.84091548e-05
m = 4.0
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	2.75748	-0.00000	-0.00000
-0.5002	35.2997	2.88284	8.15452	2.88286	0.00002
0.9998	35.3003	3.01334	8.31572	3.01332	-0.00002
14.9998	35.3011	4.32471	9.78730	4.32469	-0.00002
18.4998	35.3007	4.67561	10.14422	4.67563	0.00002
28.9998	35.2984	5.77229	11.18462	5.77230	0.00001
32.4998	35.2924	6.14951	11.52015	6.14950	-0.00001

Conductivity = $(g + hf^2 + if^3 + jf^4) / [10(1 + \delta t + \varepsilon p)]$ Siemens/meter
Conductivity = $(af^m + bf^2 + c + dt) / [10(1 + \varepsilon p)]$ Siemens/meter
t = temperaure [deg C]; p = pressure [decibars]; δ = CTcor; ε = CPcor;
Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients



POST CRUISE CALIBRATION