SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER = 775
CALIBRATION DATE: 22-Jul-99

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

GHIJ COEFFICIENTS

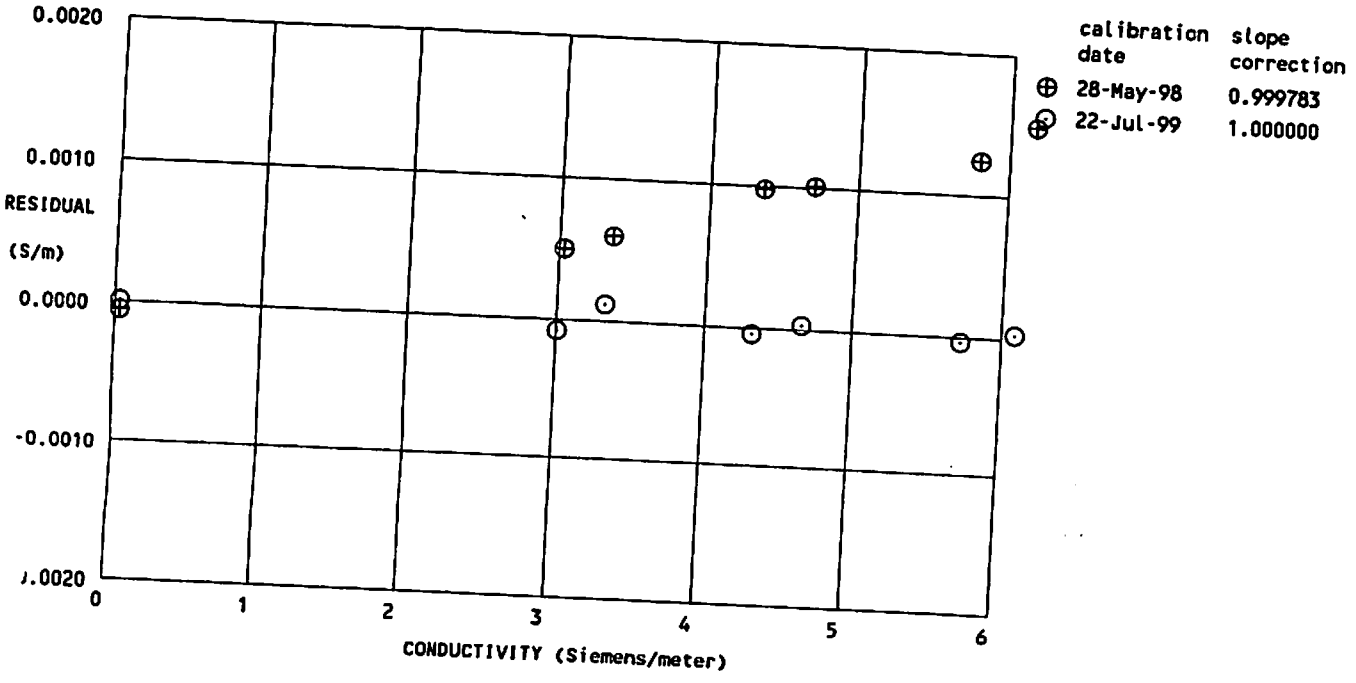
g = -4.10533629e+00
h = 4.90673898e-01
i = 9.13052753e-04
j = -1.37197723e-05
CPcor = -9.57e-08 (nominal)
CTcor = 3.25e-06 (nominal)

ABCDM COEFFICIENTS

a = 4.04867672e-03
b = 4.85551546e-01
c = -4.09881869e+00
d = -8.50741585e-05
m = 2.5
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	2.88513	0.00000	0.00000
1.2390	34.5624	2.97692	8.25342	2.97684	-0.00008
4.8230	34.5624	3.29197	8.62676	3.29208	0.00011
15.5390	34.5620	4.29623	9.71951	4.29618	-0.00005
18.9130	34.5618	4.62941	10.05559	4.62944	0.00003
29.3290	34.5614	5.69991	11.06527	5.69987	-0.00004
32.7010	34.5543	6.05693	11.38187	6.05696	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 = temperaure [deg C]; p = pressure [decibars]; δ = CTcor; ϵ = CPcor;
Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients



APP NOTES

PUMP