SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER = 1346
CALIBRATION DATE: 14-Aug-02s

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

GHIJ COEFFICIENTS

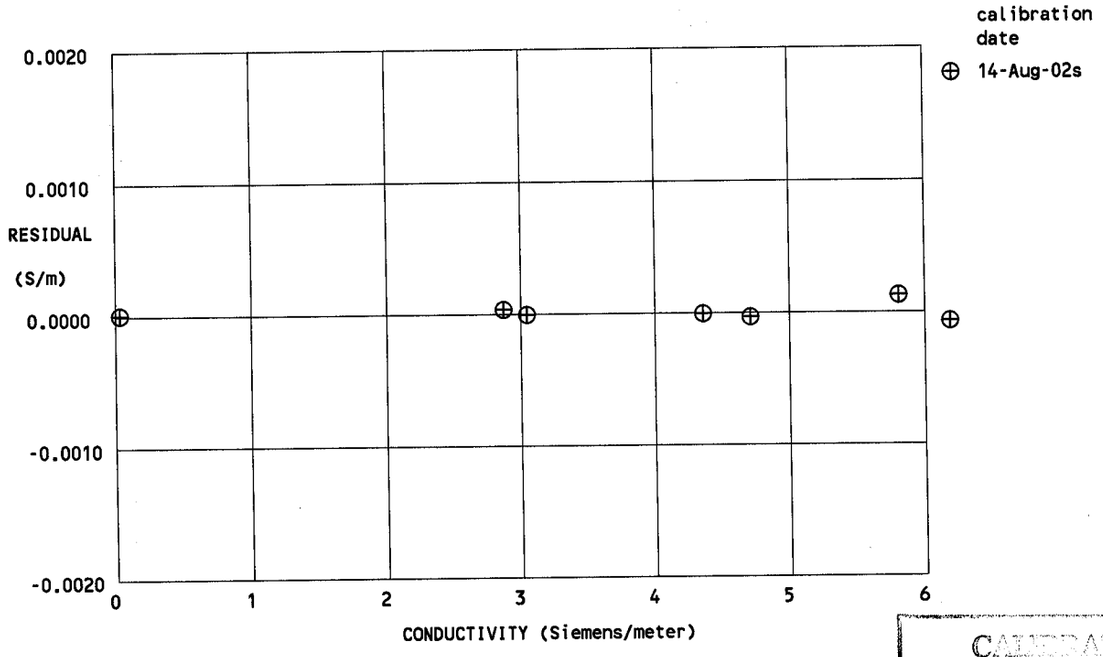
g = -4.09247414e+00
h = 5.38978175e-01
i = -1.36022607e-04
j = 3.80538679e-05
CPcor = -9.57e-08 (nominal)
CTcor = 3.25e-06 (nominal)

ABCDM COEFFICIENTS

a = 1.76460226e-05
b = 5.38598880e-01
c = -4.09149172e+00
d = -8.45144277e-05
m = 4.2
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	2.75576	-0.00000	-0.00000
-1.0002	35.3409	2.84284	7.75889	2.84287	0.00003
0.9998	35.3418	3.01654	7.96268	3.01653	-0.00001
14.9998	35.3431	4.32931	9.35876	4.32930	-0.00001
18.4998	35.3434	4.68065	9.69774	4.68061	-0.00004
28.9998	35.3425	5.77868	10.68681	5.77880	0.00012
32.4998	35.3407	6.15696	11.00627	6.15688	-0.00008

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



CALIBRATION
AFTER
MODIFICATIONS