January 2003 calibration CTD 1
(436_0301.con)

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SENSOR SERIAL NUMBER = 436
CALIBRATION DATE: 16-Nov-02

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

GHIJ COEFFICIENTS

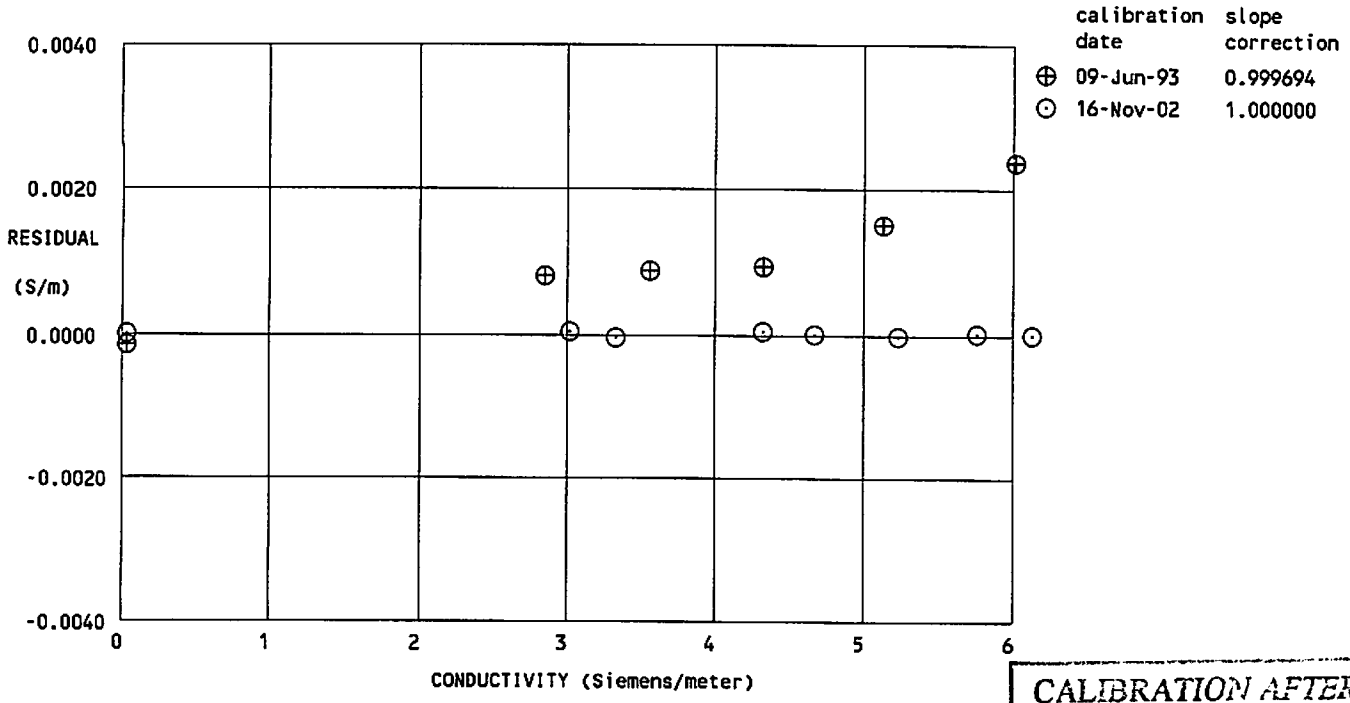
g = -3.80916918e+00
h = 4.55604648e-01
i = 6.91827861e-04
j = -1.25097293e-05
CPcor = -9.57e-08 (nominal)
CTcor = 3.25e-06 (nominal)

ABCDM COEFFICIENTS

a = 7.58281953e-03
b = 4.46026645e-01
c = -3.79844002e+00
d = -9.09290405e-05
m = 2.3
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)
22.0000	0.0000	0.00000	2.88550	-0.00000	-0.00000
1.0000	34.9958	2.98984	8.55462	2.98987	0.00003
4.4999	34.9967	3.30005	8.93779	3.30000	-0.00005
14.9998	34.9952	4.29121	10.06415	4.29125	0.00004
18.5000	34.9948	4.63949	10.43073	4.63949	-0.00000
23.9998	34.9945	5.20217	10.99694	5.20214	-0.00003
28.9999	34.9935	5.72806	11.50077	5.72807	0.00001
32.5001	34.9919	6.10315	11.84686	6.10315	-0.00000

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 CLEANING AND REPLATINIZING CELL