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SENSOR SERIAL NUMBER: 1347
CALIBRATION DATE: 18-Aug-05

SBE4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

g = -4.08886756e+000
h = 5.37517013e-001
i = -2.80500133e-005
j = 3.22330657e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 3.02462285e-005
b = 5.37414257e-001
c = -4.08853297e+000
d = -8.26979670e-005
m = 4.0
CPcor = -9.5700e-008 (nominal)

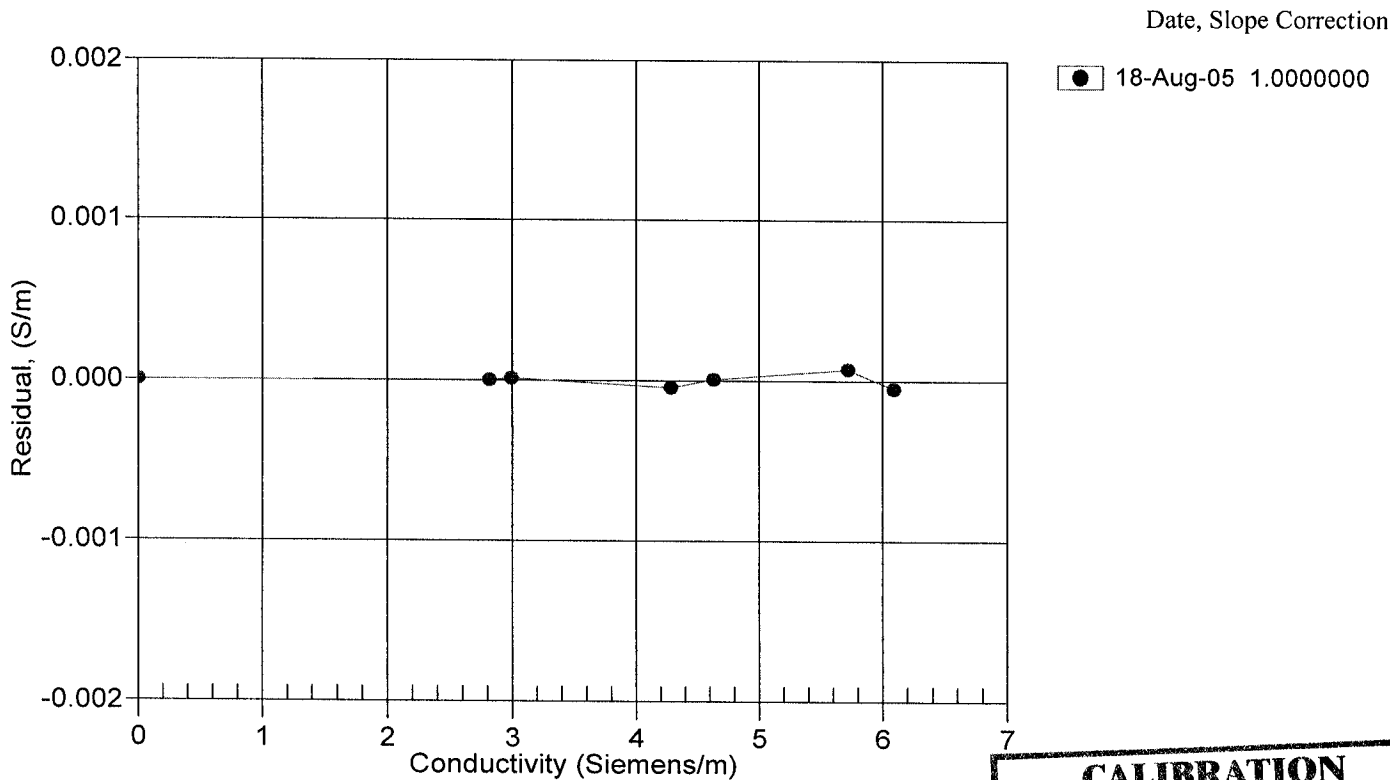
BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.75764	0.00000	0.00000
-0.9703	34.9163	2.81440	7.73149	2.81440	0.00000
1.0929	34.9165	2.99178	7.94068	2.99180	0.00001
15.0000	34.9182	4.28279	9.32078	4.28274	-0.00004
18.5000	34.9179	4.63039	9.65824	4.63040	0.00001
29.0000	34.9160	5.71681	10.64273	5.71688	0.00007
32.5000	34.9081	6.09018	10.96009	6.09013	-0.00005

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[°C]; p = pressure[decibars]; δ = CTcor; ϵ = CPcor;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients



**CALIBRATION
AFTER
MODIFICATIONS**