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SENSOR SERIAL NUMBER: 1374  
CALIBRATION DATE: 28-Feb-07

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

GHIJ COEFFICIENTS

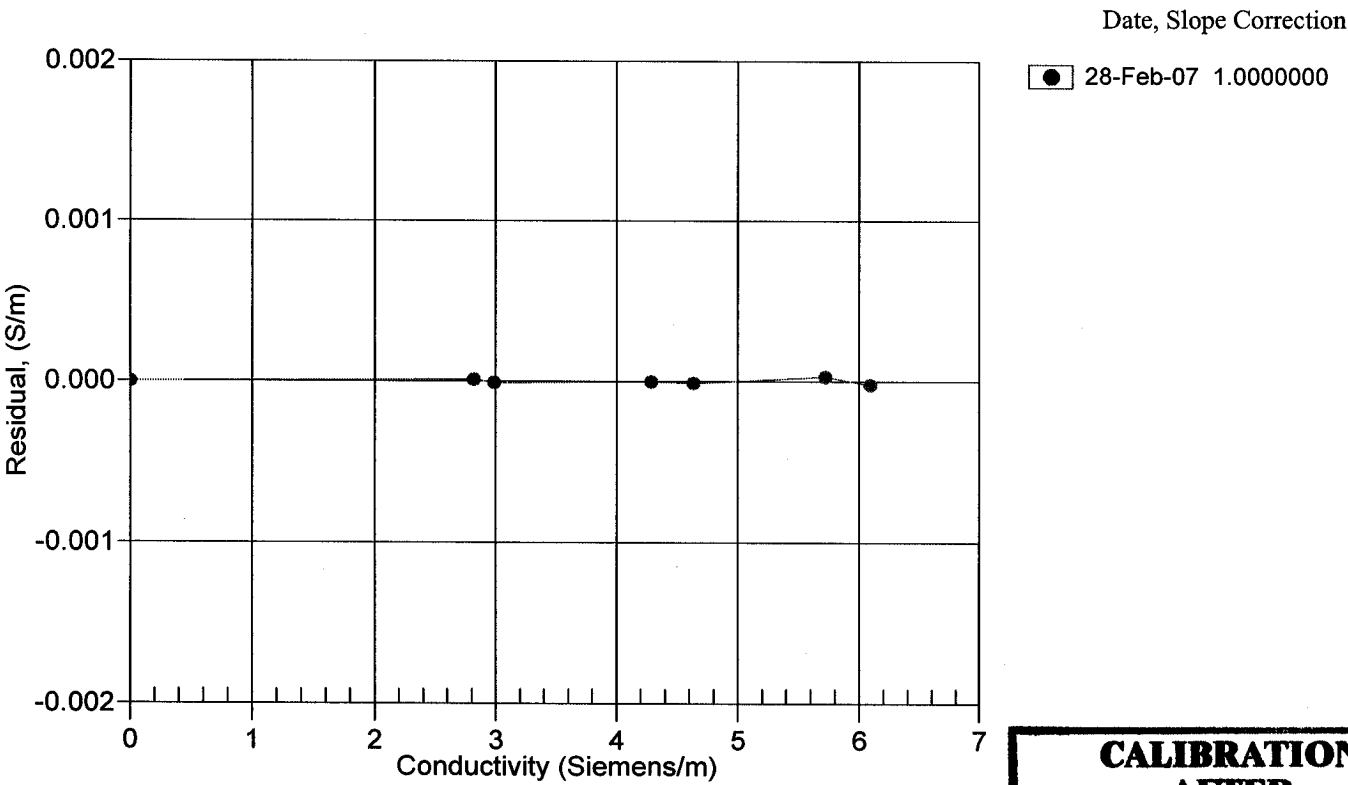
g = -3.96228321e+000  
h = 4.83436925e-001  
i = -2.22089905e-005  
j = 2.79996287e-005  
CPcor = -9.5700e-008 (nominal)  
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 2.64726258e-005  
b = 4.83354074e-001  
c = -3.96200686e+000  
d = -8.33556691e-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	2.86239	0.00000	0.00000
-1.0001	34.9424	2.81378	8.13455	2.81379	0.00001
0.9999	34.9424	2.98570	8.34874	2.98570	-0.00001
14.9999	34.9423	4.28542	9.81585	4.28542	-0.00000
18.4999	34.9418	4.63321	10.17196	4.63319	-0.00001
28.9999	34.9385	5.72006	11.21064	5.72009	0.00003
32.4999	34.9302	6.09359	11.54547	6.09357	-0.00002

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];  $\delta$  = CTcor;  $\epsilon$  = CPcor;  
Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients



**CALIBRATION  
AFTER  
MODIFICATIONS**