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SENSOR SERIAL NUMBER: 2973  
CALIBRATION DATE: 28-Jul-05

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

GHIJ COEFFICIENTS

g = -1.07425177e+001  
h = 1.45122044e+000  
i = 4.15779116e-004  
j = 3.68616638e-005  
CPcor = -9.5700e-008 (nominal)  
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

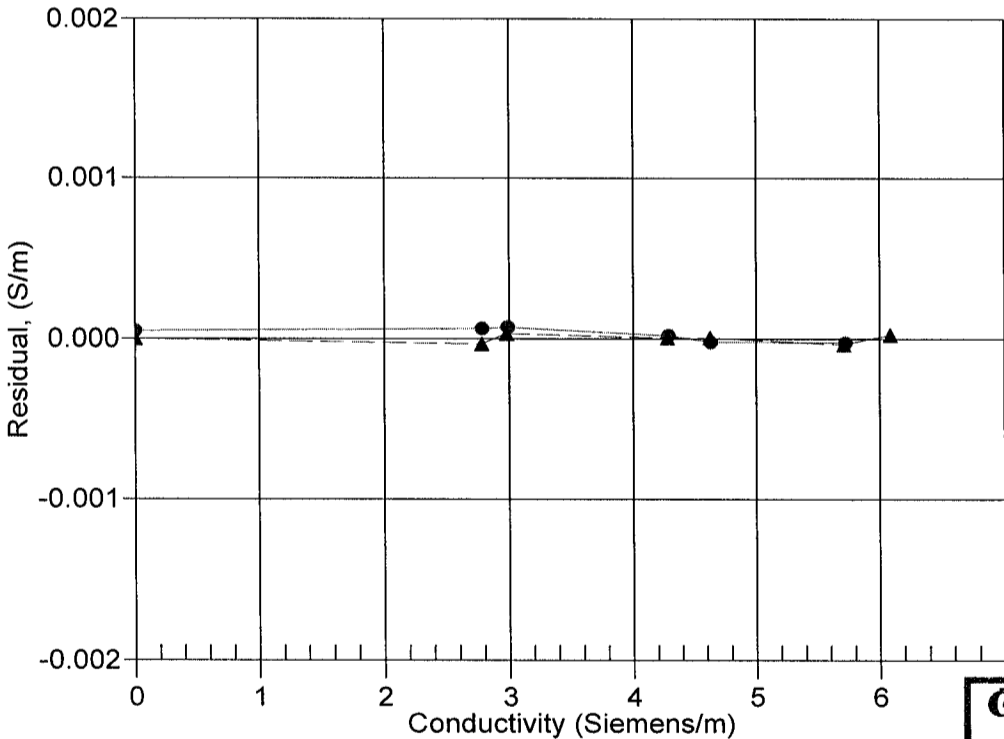
a = 3.70067306e-004  
b = 1.45120831e+000  
c = -1.07420700e+001  
d = -8.30135960e-005  
m = 3.3  
CPcor = -9.5700e-008 (nominal)

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	2.71942	0.00000	0.00000
-1.3999	34.8544	2.77351	5.14363	2.77348	-0.00003
0.9999	34.8535	2.97883	5.27894	2.97887	0.00003
14.9998	34.8545	4.27578	6.06375	4.27579	0.00001
18.4998	34.8544	4.62286	6.25701	4.62286	0.00001
28.9999	34.8537	5.70774	6.82571	5.70771	-0.00003
32.4999	34.8488	6.08100	7.01068	6.08103	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

Date, Slope Correction

● 10-Aug-04 0.9999973  
▲ 28-Jul-05 1.0000000



**CALIBRATION AFTER  
CLEANING AND  
REPLATINIZING CELL**