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SENSOR SERIAL NUMBER: 1346  
CALIBRATION DATE: 22-Aug-06

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

GHIJ COEFFICIENTS

g = -3.96520132e+000  
h = 5.21831822e-001  
i = 1.41979988e-004  
j = 2.91737894e-005  
CPcor = -9.5700e-008 (nominal)  
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 6.28264180e-005  
b = 5.22202019e-001  
c = -3.96650024e+000  
d = -8.95812628e-005  
m = 3.8  
CPcor = -9.5700e-008 (nominal)

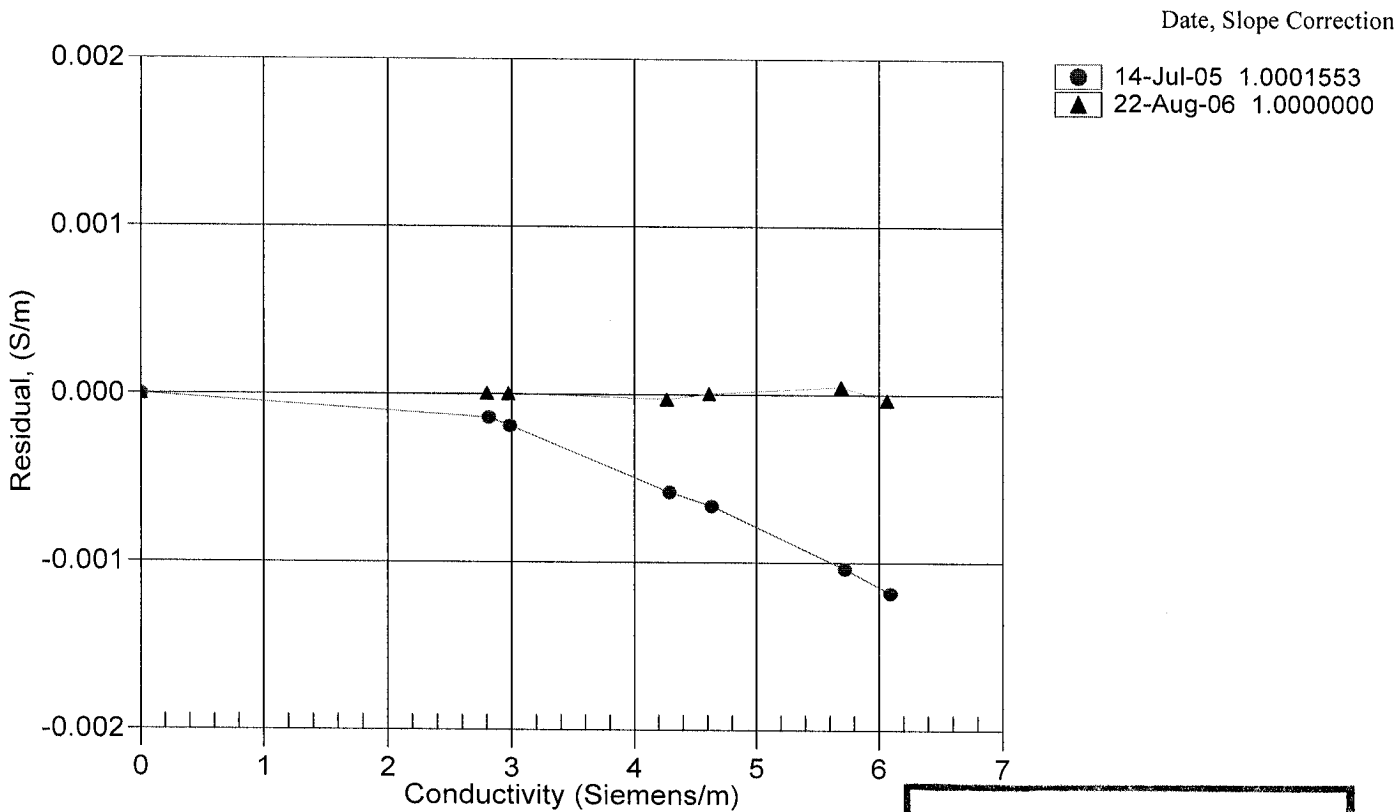
BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.75494	0.00000	0.00000
-1.0001	34.7503	2.79975	7.80474	2.79975	0.00001
1.0278	34.7506	2.97329	8.01289	2.97329	0.00000
14.9998	34.7515	4.26449	9.41578	4.26446	-0.00003
18.4999	34.7514	4.61068	9.75706	4.61068	0.00000
28.9999	34.7502	5.69270	10.75244	5.69275	0.00005
32.4998	34.7474	6.06531	11.07390	6.06528	-0.00003

Conductivity = (g + hf<sup>2</sup> + if<sup>3</sup> + jf<sup>4</sup>) / 10(1 + δt + εp) Siemens/meter

Conductivity = (af<sup>m</sup> + bf<sup>2</sup> + c + dt) / [10 (1 + εp) Siemens/meter

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

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



**POST CRUISE  
CALIBRATION**