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SENSOR SERIAL NUMBER: 1387
CALIBRATION DATE: 05-Jan-06

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

GHIJ COEFFICIENTS

g = -4.22693102e+000
h = 4.81305668e-001
i = -1.22258135e-004
j = 2.98003317e-005
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.33964050e-005
b = 4.80916377e-001
c = -4.22559906e+000
d = -8.17386091e-005
m = 4.2
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	2.96379	0.00000	0.00000
-0.9146	34.8540	2.81458	8.19275	2.81459	0.00002
1.0848	34.8544	2.98627	8.40649	2.98626	-0.00001
15.0000	34.8544	4.27579	9.86310	4.27575	-0.00004
18.5000	34.8532	4.62273	10.21910	4.62275	0.00002
29.0000	34.8504	5.70727	11.25794	5.70732	0.00004
32.5001	34.8460	6.08059	11.59343	6.08056	-0.00003

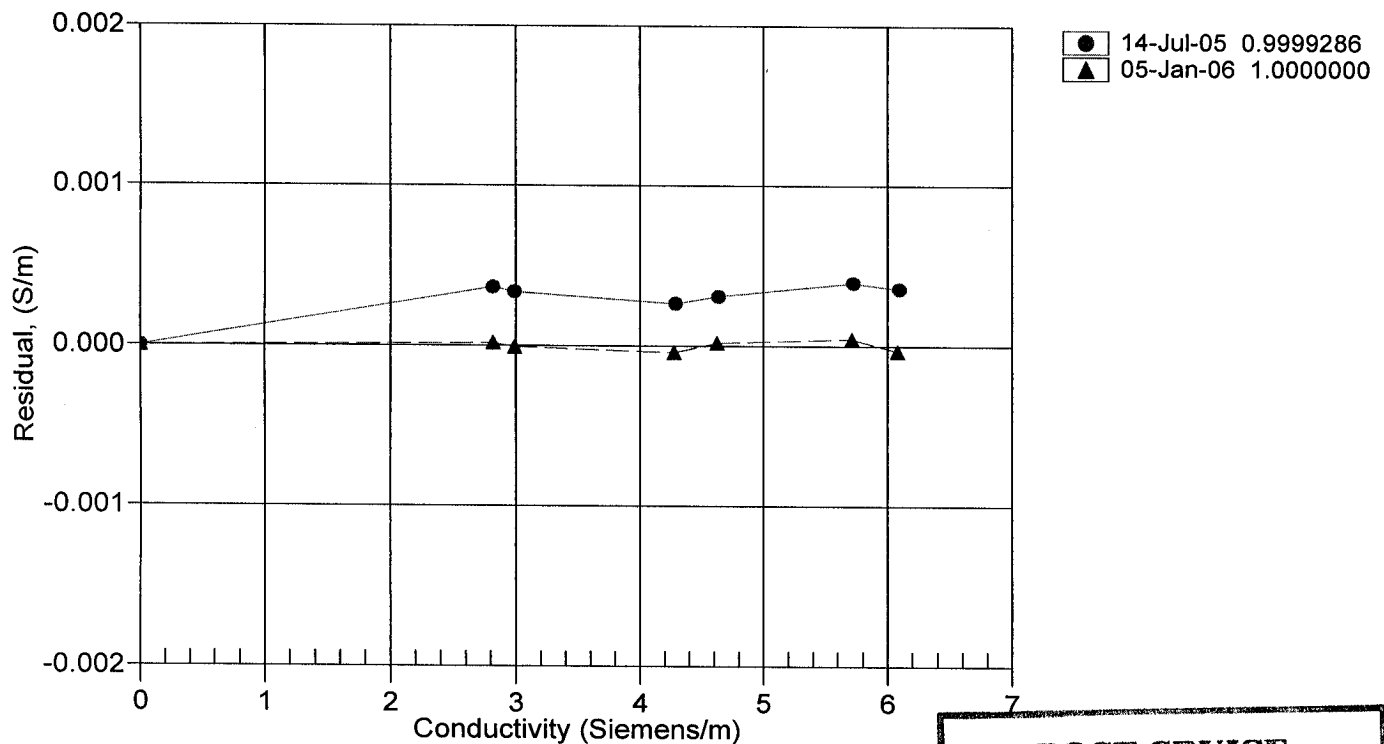
Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

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

Date, Slope Correction



**POST CRUISE
CALIBRATION**