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SENSOR SERIAL NUMBER: 1075
CALIBRATION DATE: 05-Jan-06

SBE3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPRATURE SCALE

ITS-90 COEFFICIENTS

g = 4.86479793e-003
h = 6.82465196e-004
i = 2.67593774e-005
j = 1.99448064e-006
f0 = 1000.0

ITS-68 COEFFICIENTS

a = 3.68121348e-003
b = 6.04081174e-004
c = 1.57177880e-005
d = 1.99597345e-006
f0 = 6359.655

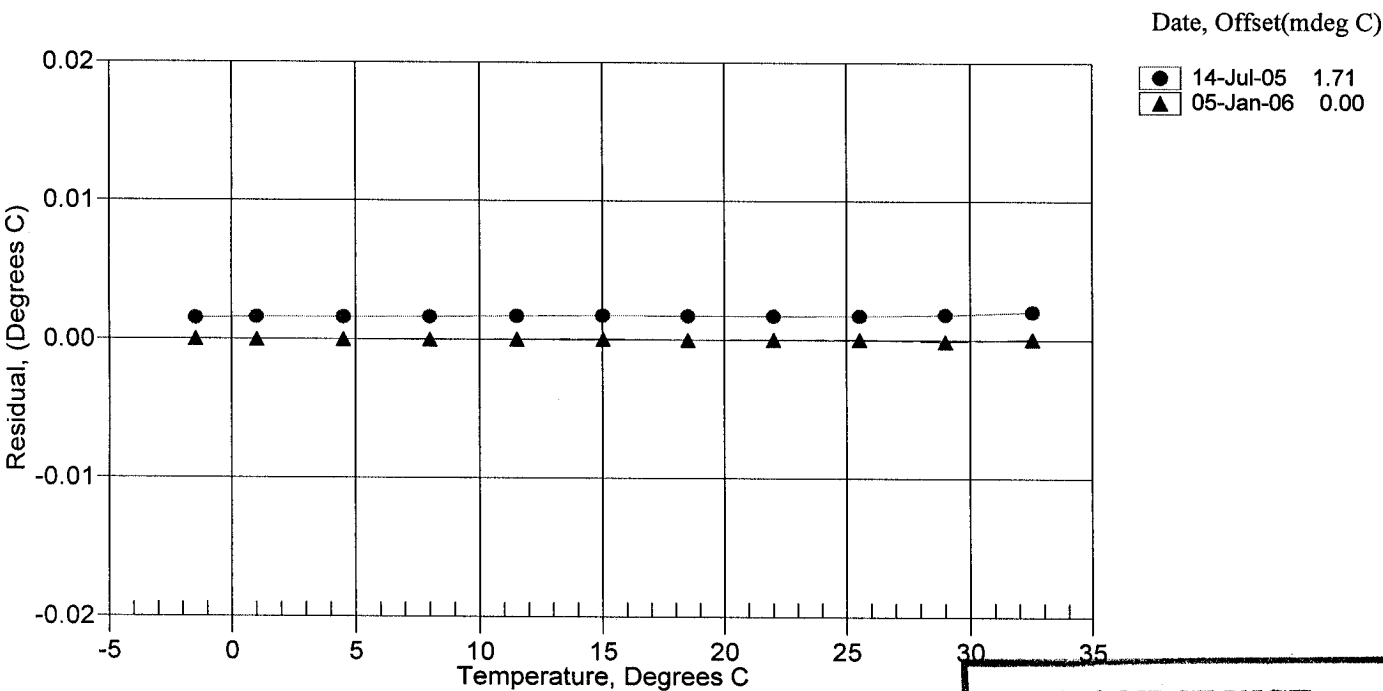
BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	6359.655	-1.5001	0.00001
1.0000	6723.710	1.0000	-0.00001
4.5000	7258.279	4.5000	-0.00001
8.0000	7822.635	8.0000	-0.00002
11.5000	8417.574	11.5000	0.00000
15.0000	9043.859	15.0000	0.00003
18.5000	9702.218	18.5000	-0.00000
22.0000	10393.391	22.0000	0.00001
25.5000	11118.062	25.5000	0.00003
29.0000	11876.859	28.9999	-0.00012
32.5000	12670.532	32.5001	0.00006

Temperature ITS-90 = $1/\{g + h[\ln(f_0/f)] + i[\ln^2(f_0/f)] + j[\ln^3(f_0/f)]\} - 273.15$ (°C)

Temperature ITS-68 = $1/\{a + b[\ln(f_0/f)] + c[\ln^2(f_0/f)] + d[\ln^3(f_0/f)]\} - 273.15$ (°C)

Following the recommendation of JPOTS: T_{68} is assumed to be $1.00024 * T_{90}$ (-2 to 35 °C)

Residual = instrument temperature - bath temperature



**POST CRUISE
CALIBRATION**