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SENSOR SERIAL NUMBER: 1075
CALIBRATION DATE: 17-Aug-06

SBE3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPRATURE SCALE

ITS-90 COEFFICIENTS

g = 4.86406250e-003
h = 6.81428734e-004
i = 2.62654669e-005
j = 1.91699429e-006
f0 = 1000.0

ITS-68 COEFFICIENTS

a = 3.68121310e-003
b = 6.04077484e-004
c = 1.56540729e-005
d = 1.91847049e-006
f0 = 6359.472

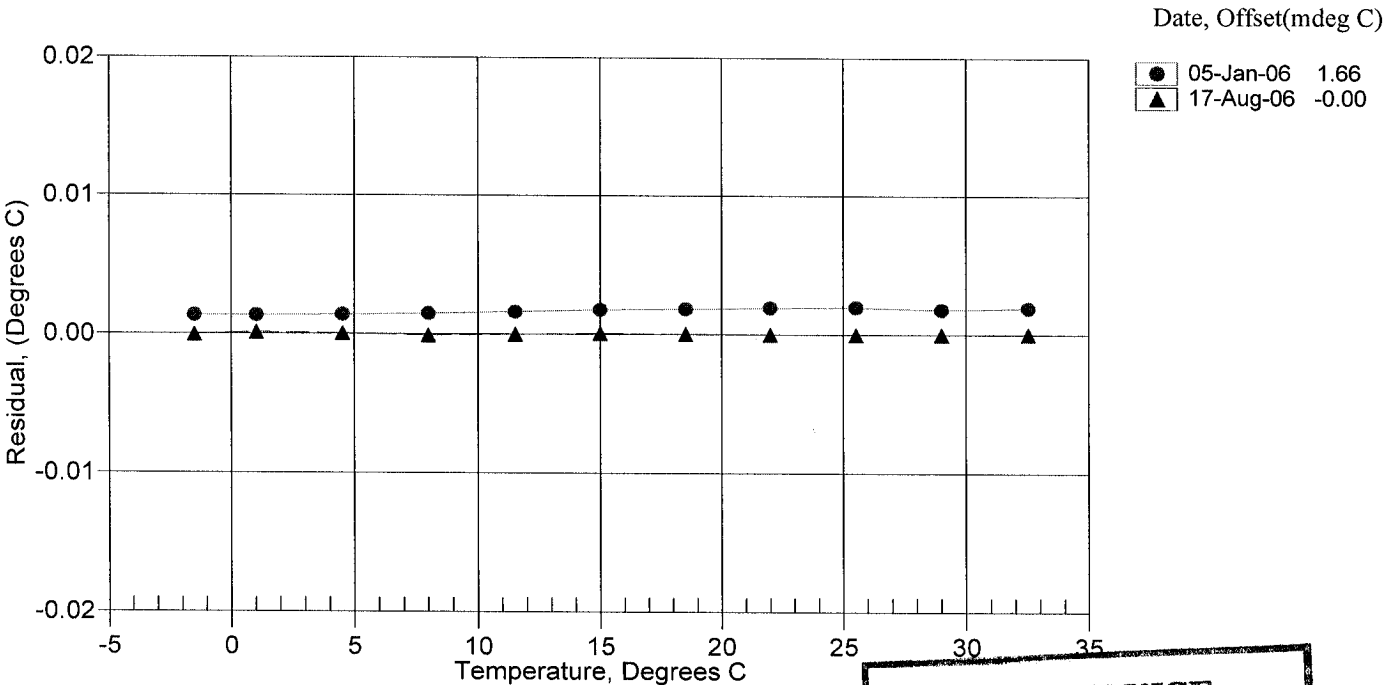
BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	6359.472	-1.5001	-0.00006
1.0000	6723.528	1.0001	0.00010
4.5000	7258.066	4.5000	0.00003
8.0000	7822.376	7.9999	-0.00009
11.5000	8417.289	11.5000	-0.00003
15.0000	9043.548	15.0001	0.00006
18.5000	9701.871	18.5000	0.00002
22.0000	10393.004	22.0000	-0.00001
25.5000	11117.645	25.5000	-0.00001
29.0000	11876.461	29.0000	-0.00000
32.5000	12670.094	32.5000	0.00000

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