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SENSOR SERIAL NUMBER: 1609
CALIBRATION DATE: 17-Aug-06

SBE3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPRATURE SCALE

ITS-90 COEFFICIENTS

g = 4.86572800e-003
h = 6.79566354e-004
i = 2.60366191e-005
j = 1.99756036e-006
f0 = 1000.0

ITS-68 COEFFICIENTS

a = 3.68121126e-003
b = 6.03699939e-004
c = 1.49399760e-005
d = 1.99899425e-006
f0 = 6399.837

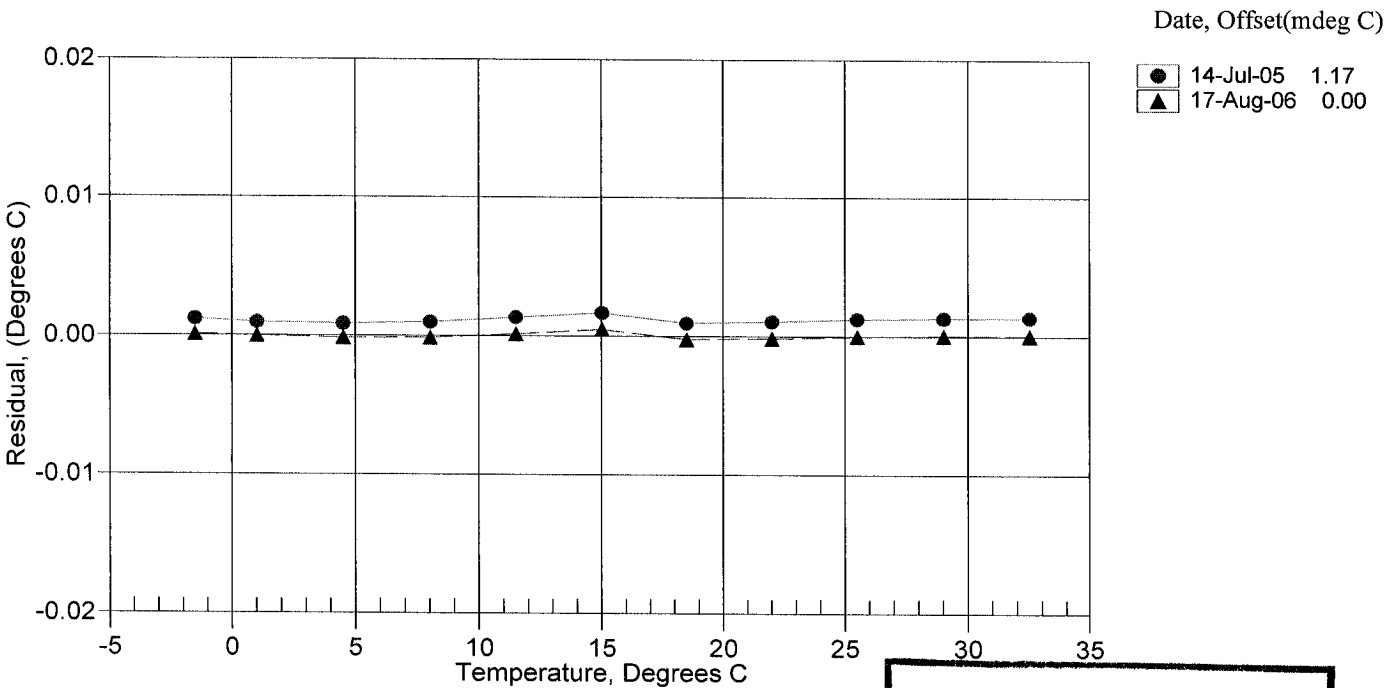
BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	6399.837	-1.4999	0.00008
1.0000	6766.379	1.0000	-0.00001
4.5000	7304.535	4.4998	-0.00017
8.0000	7872.610	7.9999	-0.00015
11.5000	8471.399	11.5001	0.00013
15.0000	9101.626	15.0005	0.00048
18.5000	9763.800	18.4998	-0.00024
22.0000	10458.967	21.9998	-0.00018
25.5000	11187.679	25.5000	-0.00003
29.0000	11950.546	29.0000	0.00004
32.5000	12748.189	32.5000	0.00004

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**