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SENSOR SERIAL NUMBER: 1075
CALIBRATION DATE: 21-Aug-03

SBE3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPRATURE SCALE

ITS-90 COEFFICIENTS

g = 4.86426585e-003
h = 6.81682373e-004
i = 2.64084536e-005
j = 1.94111104e-006
f0 = 1000.0

ITS-68 COEFFICIENTS

a = 3.68120764e-003
b = 6.04045736e-004
c = 1.56624790e-005
d = 1.94259138e-006
f0 = 6360.275

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.4996	6360.275	-1.4997	-0.00005
1.0004	6724.392	1.0005	0.00007
4.5004	7259.034	4.5004	0.00005
8.0004	7823.452	8.0003	-0.00006
11.5004	8418.474	11.5004	-0.00002
15.0004	9044.836	15.0004	-0.00002
18.5004	9703.295	18.5004	0.00000
22.0004	10394.572	22.0004	0.00005
25.5004	11119.339	25.5004	0.00001
29.0004	11878.285	29.0004	-0.00002
32.5004	12672.056	32.5004	-0.00001

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

