SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington 98005 USA
Phone: (425) 643 - 9866 Fax: (425) 643 - 9954 Internet: seabird@seabird.com

SENSOR SERIAL NUMBER = 1075
CALIBRATION DATE: 19-Jun-01s

TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

g = 4.81077385e-03
h = 6.68822271e-04
i = 2.51066059e-05
j = 1.98467480e-06
f_0 = 1000.000

IPTS-68 COEFFICIENTS

a = 3.68121115e-03
b = 5.98093580e-04
c = 1.44614410e-05
d = 1.98605765e-06
f_0 = 6003.863

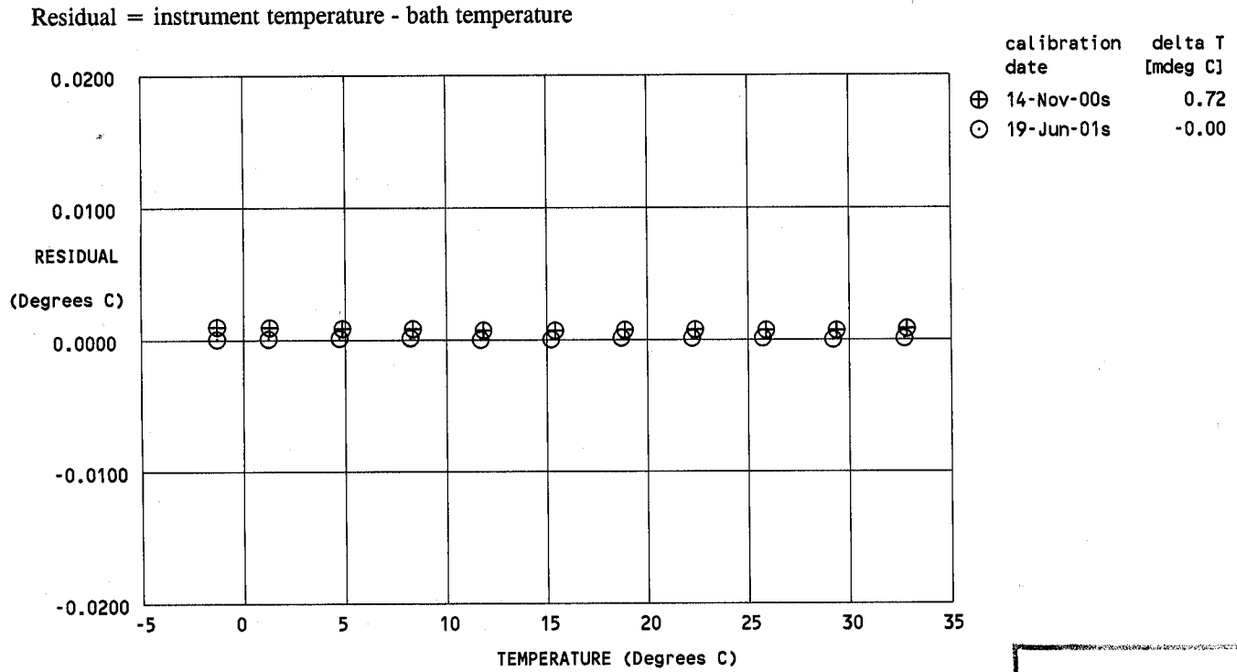
BATH TEMP (ITS-90 °C)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90 °C)	RESIDUAL (ITS-90 °C)
-1.4999	6003.863	-1.4999	-0.00001
1.0001	6351.048	1.0001	0.00000
4.5001	6861.084	4.5001	0.00003
8.0001	7399.794	8.0001	0.00004
11.5001	7967.919	11.5000	-0.00008
15.0001	8566.241	15.0000	-0.00006
18.5001	9195.472	18.5002	0.00005
22.0001	9856.260	22.0001	0.00004
25.5001	10549.294	25.5001	0.00003
29.0001	11275.190	29.0000	-0.00008
32.5001	12034.623	32.5001	0.00002

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

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