

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 = 436
 CALIBRATION DATE: 13-May-93

TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

g = 4.20120069e-03
 h = 6.16039306e-04
 i = 1.33485022e-05
 j = 7.23904363e-07
 f₀ = 1000.000

IPTS-68 COEFFICIENTS

a = 3.67376540e-03
 b = 5.94557514e-04
 c = 1.14809832e-05
 d = 7.24916873e-07
 f₀ = 2391.376

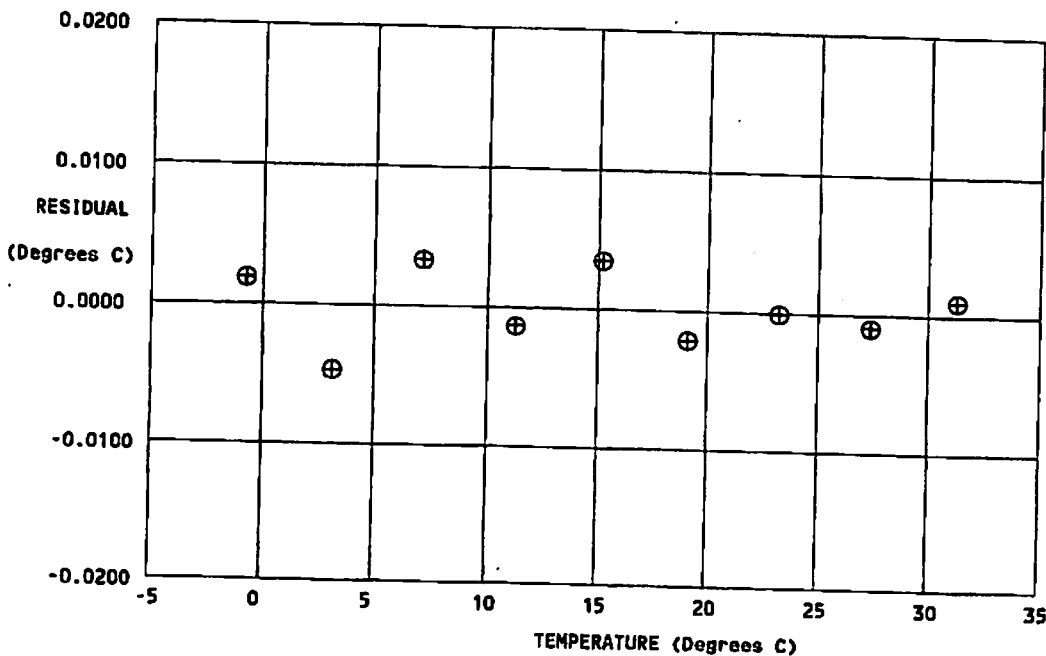
BATH TEMP (ITS-90 °C)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90 °C)	RESIDUAL (ITS-90 °C)
-0.9513	2391.376	-0.9495	0.00179
2.9354	2608.768	2.9307	-0.00468
6.9336	2847.589	6.9369	0.00324
11.0755	3110.032	11.0742	-0.00136
14.9796	3373.170	14.9830	0.00340
18.8986	3651.809	18.8964	-0.00214
23.0272	3962.830	23.0270	-0.00016
27.1893	4294.170	27.1883	-0.00100
31.0851	4621.313	31.0861	0.00091

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 IPTS-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: T₆₈ is assumed to be 1.00024 * T₉₀ (-2 to 35 °C).

Residual = instrument temperature - bath temperature



calibration date delta T
 13-May-93 [mdeg C]
 -0.00