

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER = 775
 CALIBRATION DATE: 02-May-91

TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

g = 4.21216838e-03
 h = 6.02861976e-04
 i = 3.47726755e-06
 j = -2.02321212e-06
 f₀ = 1000.000

IPTS-68 COEFFICIENTS

a = 3.67279899e-03
 b = 5.91796512e-04
 c = 8.97629074e-06
 d = -2.02281490e-06
 f₀ = 2464.130

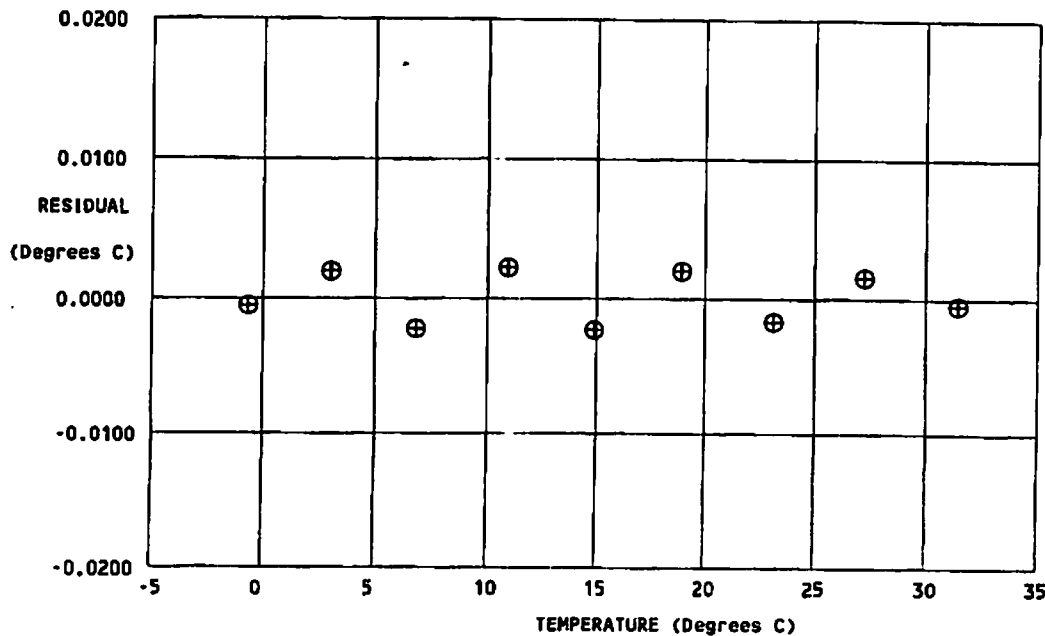
BATH TEMP (ITS-90 °C)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90 °C)	RESIDUAL (ITS-90 °C)
-0.8773	2464.130	-0.8779	-0.00059
2.8121	2677.790	2.8140	0.00185
6.6152	2910.980	6.6130	-0.00224
10.7197	3178.910	10.7218	0.00212
14.6739	3452.360	14.6716	-0.00230
18.7182	3749.340	18.7201	0.00191
22.9273	4076.280	22.9256	-0.00168
27.0233	4413.590	27.0248	0.00146
31.2389	4780.060	31.2384	-0.00054

Temperature ITS-90 = 1/{g + b[ln(f₀/f)] + i[ln²(f₀/f)] + j[ln³(f₀/f)]} - 273.15 (°C)

Temperature IPTS-68 = 1/{a + b[ln(f₀/f)] + c[ln²(f₀/f)] + d[ln³(f₀/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
 ⊕ 02-May-91 (mdeg C)
 -0.00