SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER = 775
CALIBRATION DATE: 13-May-93

TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

g = 4.21050269e-03
h = 5.98526348e-04
i = -2.49035128e-07
j = -3.07544672e-06
f_0 = 1000.000

IPTS-68 COEFFICIENTS

a = 3.67379975e-03
b = 5.91642264e-04
c = 8.08080408e-06
d = -3.07527186e-06
f_0 = 2459.905

BATH TEMP (ITS-90 °C)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90 °C)	RESIDUAL (ITS-90 °C)
-0.9513	2459.905	-0.9520	-0.00076
2.9354	2685.127	2.9373	0.00195
6.9336	2931.190	6.9323	-0.00135
11.0755	3202.756	11.0762	0.00069
14.9796	3474.160	14.9780	-0.00163
18.8986	3762.830	18.8999	0.00134
23.0272	4084.257	23.0262	-0.00094
27.1893	4427.652	27.1907	0.00142
31.0851	4766.517	31.0844	-0.00073

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