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SENSOR SERIAL NUMBER: 0347
CALIBRATION DATE: 29-Jan-23

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.43542066e-003
h = 6.54068237e-004
i = 2.70913212e-005
j = 3.39766314e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3524.657	1.0000	-0.00005
4.5000	3804.958	4.5001	0.00009
15.0000	4740.360	15.0000	-0.00003
18.5000	5084.846	18.4999	-0.00009
24.0000	5660.446	24.0001	0.00009
29.0000	6220.835	29.0000	0.00004
32.5000	6634.577	32.5000	-0.00005

f = Instrument Output (Hz)

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

Residual (°C) = instrument temperature - bath temperature

