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SENSOR SERIAL NUMBER: 0317
CALIBRATION DATE: 22-Dec-23

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40192427e-003
h = 6.39770203e-004
i = 2.57970898e-005
j = 3.21298294e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3423.646	0.9999	-0.00008
4.5000	3701.252	4.5001	0.00014
15.0000	4630.394	14.9999	-0.00006
18.5000	4973.539	18.4999	-0.00006
24.0000	5547.887	24.0000	-0.00002
29.0000	6108.228	29.0002	0.00023
32.5001	6522.540	32.5000	-0.00014

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

