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SENSOR SERIAL NUMBER: 0366
CALIBRATION DATE: 16-Dec-22

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40702443e-003
h = 6.41978985e-004
i = 2.73917382e-005
j = 3.42844439e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3449.240	0.9998	-0.00016
4.5000	3729.440	4.5003	0.00028
15.0000	4667.804	14.9998	-0.00016
18.5000	5014.580	18.4999	-0.00012
24.0000	5595.236	24.0000	0.00003
29.0000	6161.971	29.0004	0.00036
32.5001	6581.118	32.4999	-0.00023

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

