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SENSOR SERIAL NUMBER: 0353
CALIBRATION DATE: 19-Feb-21

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.43515754e-003
h = 6.50837828e-004
i = 2.72338743e-005
j = 3.39029718e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3548.590	1.0000	0.00003
4.4999	3832.648	4.4998	-0.00007
14.9999	4781.776	15.0001	0.00015
18.4999	5131.658	18.4998	-0.00007
24.0000	5716.670	23.9998	-0.00016
29.0000	6286.718	29.0002	0.00020
32.5001	6707.797	32.5000	-0.00008

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

