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SENSOR SERIAL NUMBER: 0313
CALIBRATION DATE: 07-Apr-24

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41009186e-003
h = 6.43877483e-004
i = 2.65885930e-005
j = 3.35816638e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3447.033	0.9999	-0.00007
4.5000	3725.250	4.5001	0.00012
15.0000	4655.823	14.9999	-0.00006
18.5000	4999.273	18.4999	-0.00008
24.0000	5573.903	24.0000	0.00004
29.0001	6134.233	29.0002	0.00014
32.5000	6548.372	32.4999	-0.00010

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

