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SENSOR SERIAL NUMBER: 0366
CALIBRATION DATE: 25-Sep-22

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41764740e-003
h = 6.46430463e-004
i = 2.76701215e-005
j = 3.52458378e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3480.488	0.9999	-0.00006
4.5000	3761.239	4.5001	0.00011
15.0000	4700.364	14.9999	-0.00008
18.4999	5046.990	18.4999	-0.00002
24.0000	5626.955	24.0000	0.00003
29.0000	6192.478	29.0001	0.00009
32.5000	6610.491	32.4999	-0.00007

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

