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SENSOR SERIAL NUMBER: 0360
CALIBRATION DATE: 23-Sep-22

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41844738e-003
h = 6.44737389e-004
i = 2.83272548e-005
j = 3.66065301e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	3502.166	1.0000	0.00006
4.5000	3786.083	4.4999	-0.00012
14.9999	4736.686	14.9999	0.00002
18.5000	5087.841	18.5002	0.00022
23.9999	5675.506	23.9996	-0.00034
29.0000	6248.970	29.0002	0.00018
32.5000	6672.958	32.5000	-0.00003

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

