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SENSOR SERIAL NUMBER: 0353
CALIBRATION DATE: 25-Jan-22

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.44298597e-003
h = 6.65874814e-004
i = 3.64688984e-005
j = 5.26689861e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0162	3548.616	1.0165	0.00033
4.5000	3830.971	4.4994	-0.00061
15.0000	4779.563	15.0005	0.00052
18.5000	5129.318	18.5001	0.00010
24.0000	5714.099	23.9996	-0.00036
29.0000	6283.833	28.9997	-0.00026
32.5000	6704.660	32.5003	0.00027

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

