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SENSOR SERIAL NUMBER: 0358
CALIBRATION DATE: 26-Jan-22

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.42066181e-003
h = 6.41698005e-004
i = 2.57701967e-005
j = 3.18849620e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0916	3526.828	1.0915	-0.00007
4.5000	3804.391	4.5001	0.00013
15.0000	4757.247	14.9999	-0.00009
18.5000	5109.011	18.5000	-0.00004
24.0000	5697.627	24.0001	0.00005
29.0000	6271.685	29.0001	0.00010
32.5001	6696.080	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

