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SENSOR SERIAL NUMBER: 0353
CALIBRATION DATE: 09-Feb-22

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.43005499e-003
h = 6.47770518e-004
i = 2.68614694e-005
j = 3.34136528e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3538.380	0.9999	-0.00006
4.4999	3822.766	4.5000	0.00010
15.0000	4773.428	15.0000	-0.00001
18.5000	5124.077	18.4999	-0.00011
24.0000	5710.554	24.0000	0.00000
29.0000	6282.208	29.0002	0.00018
32.5001	6704.608	32.5000	-0.00011

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

