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SENSOR SERIAL NUMBER: 0351
CALIBRATION DATE: 26-Jan-22

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40458360e-003
h = 6.42478779e-004
i = 2.56688608e-005
j = 3.18695651e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0916	3425.939	1.0914	-0.00015
4.5000	3694.722	4.5003	0.00027
15.0000	4616.979	14.9998	-0.00020
18.5000	4957.332	18.4999	-0.00011
24.0000	5526.744	24.0002	0.00020
29.0000	6081.900	29.0001	0.00010
32.5001	6492.251	32.5000	-0.00012

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

