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SENSOR SERIAL NUMBER: 0351
CALIBRATION DATE: 09-Feb-22

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41580485e-003
h = 6.50760408e-004
i = 2.67248404e-005
j = 3.33980822e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3432.351	0.9999	-0.00006
4.4999	3706.213	4.5000	0.00011
15.0000	4620.704	14.9999	-0.00008
18.5000	4957.700	18.5000	-0.00000
24.0000	5520.956	24.0000	-0.00001
29.0000	6069.612	29.0001	0.00014
32.5001	6474.815	32.5000	-0.00009

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

