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SENSOR SERIAL NUMBER: 0353
CALIBRATION DATE: 27-Jan-21

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41078201e-003
h = 6.43811460e-004
i = 2.65354079e-005
j = 3.33995255e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	3451.241	0.9999	-0.00004
4.4999	3729.816	4.5000	0.00006
14.9999	4661.637	14.9999	-0.00004
18.4999	5005.559	18.4999	-0.00000
23.9999	5580.962	23.9999	-0.00005
29.0000	6142.084	29.0001	0.00014
32.5000	6556.825	32.4999	-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

