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SENSOR SERIAL NUMBER: 0273
 CALIBRATION DATE: 19-Jun-22

Glider APL TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40698259e-003
 h = 6.38136242e-004
 i = 2.81301144e-005
 j = 3.65059392e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3481.388	1.0000	-0.00001
4.5000	3766.638	4.5000	0.00001
15.0000	4723.281	15.0000	0.00002
18.5000	5077.184	18.5000	-0.00002
24.0000	5670.150	23.9999	-0.00007
29.0000	6249.303	29.0001	0.00011
32.5000	6677.904	32.4999	-0.00005

f = Instrument Output (Hz)

$$\text{Temperature ITS-90 (°C)} = 1 / \{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$$

Residual (°C) = instrument temperature - bath temperature

