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SENSOR SERIAL NUMBER: 0360  
 CALIBRATION DATE: 11-Mar-25

Glider APL TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41684944e-003  
 h = 6.41494604e-004  
 i = 2.61622571e-005  
 j = 3.18325813e-006  
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3502.198	1.0000	-0.00003
4.5000	3786.152	4.5001	0.00006
15.0000	4736.728	15.0000	-0.00003
18.5000	5087.844	18.5000	-0.00001
24.0000	5675.594	24.0000	-0.00005
29.0000	6249.095	29.0001	0.00014
32.5001	6673.217	32.5000	-0.00008

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

