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SENSOR SERIAL NUMBER: 0141
 CALIBRATION DATE: 06-Feb-24

Glider APL TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.42700731e-003
 h = 6.62474077e-004
 i = 3.35510041e-005
 j = 4.85267976e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3456.946	0.9996	-0.00039
4.5000	3732.143	4.5007	0.00066
15.0000	4650.670	14.9997	-0.00026
18.5000	4989.065	18.4998	-0.00018
24.0000	5554.381	23.9993	-0.00066
29.0000	6105.008	29.0018	0.00179
32.5000	6510.920	32.4990	-0.00097

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

