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SENSOR SERIAL NUMBER: 0131
 CALIBRATION DATE: 17-May-22

Glider APL TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.35655400e-003
 h = 6.25792216e-004
 i = 2.40317798e-005
 j = 2.61446695e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	3252.385	0.9999	-0.00004
4.4999	3521.284	4.5000	0.00007
15.0000	4424.792	15.0000	-0.00005
18.4999	4759.719	18.4999	-0.00002
23.9999	5321.742	23.9999	0.00001
29.0000	5871.680	29.0001	0.00008
32.5000	6279.310	32.4999	-0.00006

f = Instrument Output (Hz)

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

$$\text{Residual (°C)} = \text{instrument temperature} - \text{bath temperature}$$

