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SENSOR SERIAL NUMBER: 0338
 CALIBRATION DATE: 01-Feb-21

Glider APL TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39448327e-003
 h = 6.37824851e-004
 i = 2.68060971e-005
 j = 3.40339341e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3401.144	0.9999	-0.00008
4.4999	3678.584	4.5000	0.00014
15.0000	4608.283	14.9999	-0.00006
18.4999	4951.979	18.4998	-0.00011
24.0000	5527.677	24.0001	0.00010
29.0000	6089.682	29.0001	0.00010
32.5000	6505.485	32.4999	-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

