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SENSOR SERIAL NUMBER: 0317
CALIBRATION DATE: 09-Feb-21

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39834426e-003
h = 6.37378244e-004
i = 2.37915268e-005
j = 2.82050244e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3406.701	1.0004	0.00041
4.4999	3682.357	4.4991	-0.00077
15.0000	4605.104	15.0009	0.00089
18.5000	4945.593	18.4999	-0.00012
24.0000	5515.478	23.9993	-0.00066
29.0000	6071.478	29.0001	0.00015
32.5000	6482.516	32.5001	0.00011

f = Instrument Output (Hz)

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

