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SENSOR SERIAL NUMBER: 0309
CALIBRATION DATE: 01-Mar-20

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39888643e-003
h = 6.36876944e-004
i = 2.64955923e-005
j = 3.35703889e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3431.310	0.9999	-0.00008
4.5000	3711.533	4.5001	0.00015
15.0000	4650.573	15.0000	-0.00004
18.5000	4997.745	18.4998	-0.00016
24.0000	5579.273	24.0001	0.00012
29.0000	6146.989	29.0001	0.00012
32.5001	6567.034	32.5000	-0.00010

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

