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SENSOR SERIAL NUMBER: 0191
CALIBRATION DATE: 23-Feb-22

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39654532e-003
h = 6.41967860e-004
i = 2.73391635e-005
j = 3.45802182e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3387.869	1.0000	0.00000
4.4997	3662.645	4.4997	-0.00000
15.0000	4582.900	14.9999	-0.00007
18.5000	4922.912	18.5002	0.00015
24.0001	5492.100	24.0000	-0.00013
29.0000	6047.564	29.0001	0.00007
32.5000	6458.391	32.5000	-0.00002

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

