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SENSOR SERIAL NUMBER: 0347
CALIBRATION DATE: 17-Sep-22

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.42181977e-003
h = 6.44325705e-004
i = 2.69167773e-005
j = 3.41134114e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3514.970	1.0000	-0.00002
4.4999	3798.984	4.4999	0.00004
15.0000	4749.161	15.0000	-0.00000
18.5000	5099.877	18.5000	-0.00004
24.0000	5686.691	24.0000	-0.00001
29.0000	6258.929	29.0001	0.00009
32.5000	6681.918	32.4999	-0.00005

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

