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SENSOR SERIAL NUMBER: 0316
CALIBRATION DATE: 21-Mar-21

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.43948235e-003
h = 6.56946623e-004
i = 2.59131648e-005
j = 3.10881755e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3519.677	0.9999	-0.00011
4.4999	3797.415	4.5001	0.00019
15.0000	4723.117	14.9999	-0.00008
18.5000	5063.666	18.4999	-0.00014
24.0000	5632.331	24.0001	0.00011
29.0000	6185.600	29.0002	0.00017
32.5001	6593.859	32.5000	-0.00013

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

