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SENSOR SERIAL NUMBER: 0316
CALIBRATION DATE: 10-Nov-22

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41044715e-003
h = 6.42956244e-004
i = 2.81400413e-005
j = 3.48989014e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3468.288	1.0000	-0.00002
4.5000	3750.401	4.5000	0.00004
15.0000	4695.768	15.0000	-0.00001
18.5000	5045.278	18.5000	-0.00003
24.0000	5630.685	24.0000	-0.00003
29.0000	6202.253	29.0001	0.00011
32.5001	6625.162	32.5000	-0.00006

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

