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SENSOR SERIAL NUMBER: 0338
CALIBRATION DATE: 03-Mar-20

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39544873e-003
h = 6.39686593e-004
i = 2.79841003e-005
j = 3.64612234e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3401.179	0.9999	-0.00010
4.5000	3678.613	4.5002	0.00018
15.0000	4608.321	14.9999	-0.00009
18.4999	4952.052	18.4998	-0.00007
24.0000	5527.785	24.0000	-0.00004
28.9999	6089.861	29.0002	0.00031
32.5000	6505.655	32.4998	-0.00019

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

