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SENSOR SERIAL NUMBER: 0351
CALIBRATION DATE: 03-Mar-20

Glider APL TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40128651e-003
h = 6.47660625e-004
i = 2.77220158e-005
j = 3.58795151e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3377.245	0.9999	-0.00007
4.5000	3648.595	4.5001	0.00013
15.0000	4555.744	14.9999	-0.00007
18.4999	4890.384	18.4999	-0.00004
24.0000	5450.105	24.0000	-0.00004
28.9999	5995.692	29.0001	0.00022
32.5000	6398.826	32.4999	-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

