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SENSOR SERIAL NUMBER: 0273
 CALIBRATION DATE: 29-Nov-17

Glider APL TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40509948e-003
 h = 6.41728201e-004
 i = 2.57558390e-005
 j = 3.14665905e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3428.425	0.9999	-0.00008
4.5000	3705.585	4.5001	0.00014
15.0000	4632.899	15.0000	-0.00005
18.5000	4975.256	18.4999	-0.00011
24.0000	5548.209	24.0001	0.00005
28.9999	6107.048	29.0001	0.00017
32.5000	6520.228	32.4999	-0.00012

f = Instrument Output (Hz)

$$\text{Temperature ITS-90 (°C)} = 1 / \{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$$

$$\text{Residual (°C)} = \text{instrument temperature} - \text{bath temperature}$$

