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SENSOR SERIAL NUMBER: 0073
 CALIBRATION DATE: 29-Nov-17

Glider APL TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.29439149e-003
 h = 6.28942211e-004
 i = 2.35722269e-005
 j = 2.48703696e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	2904.110	1.0000	-0.00001
4.5000	3141.187	4.5000	0.00002
15.0000	3936.533	15.0000	0.00001
18.5000	4230.959	18.5000	-0.00003
24.0000	4724.611	24.0000	-0.00001
28.9999	5207.210	29.0000	0.00006
32.5000	5564.727	32.5000	-0.00003

f = Instrument Output (Hz)

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

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

