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SENSOR SERIAL NUMBER: 0266
 CALIBRATION DATE: 29-Jan-21

Glider APL TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39373778e-003
 h = 6.39517629e-004
 i = 2.66490678e-005
 j = 3.39015445e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	3383.702	0.9997	-0.00018
4.4999	3658.692	4.5002	0.00032
15.0000	4579.448	14.9998	-0.00017
18.4999	4919.639	18.4997	-0.00022
23.9999	5489.262	24.0001	0.00024
29.0000	6045.088	29.0002	0.00019
32.5000	6456.153	32.4998	-0.00018

f = Instrument Output (Hz)

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

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

