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SENSOR SERIAL NUMBER: 0349  
 CALIBRATION DATE: 24-Feb-21

Glider APL TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40583751e-003  
 h = 6.46334742e-004  
 i = 2.72043811e-005  
 j = 3.41927660e-006  
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	3409.752	0.9999	-0.00003
4.5000	3684.239	4.5000	0.00005
15.0000	4602.213	15.0000	-0.00001
18.4999	4940.957	18.4998	-0.00005
24.0000	5507.702	24.0000	0.00001
29.0000	6060.291	29.0001	0.00008
32.5000	6468.728	32.4999	-0.00005

f = Instrument Output (Hz)

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

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

