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SENSOR SERIAL NUMBER: 0313  
 CALIBRATION DATE: 09-Feb-21

Glider APL TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.42002015e-003  
 h = 6.51264340e-004  
 i = 2.60947759e-005  
 j = 3.17886727e-006  
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3449.162	1.0000	-0.00001
4.4999	3723.787	4.4999	0.00002
15.0000	4640.568	15.0001	0.00005
18.5000	4978.282	18.4999	-0.00008
24.0000	5542.690	24.0000	-0.00002
29.0000	6092.371	29.0001	0.00011
32.5000	6498.282	32.4999	-0.00006

f = Instrument Output (Hz)

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

Residual (°C) = instrument temperature - bath temperature

