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SENSOR SERIAL NUMBER: 0141  
 CALIBRATION DATE: 10-May-17

Glider APL TEMPERATURE CALIBRATION DATA  
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.42218418e-003  
 h = 6.52121606e-004  
 i = 2.65821146e-005  
 j = 3.30425051e-006  
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3458.414	0.9999	-0.00005
4.5000	3733.721	4.5001	0.00010
15.0000	4652.632	15.0000	-0.00004
18.5000	4991.119	18.4999	-0.00006
24.0000	5556.761	24.0000	0.00004
29.0000	6107.571	29.0001	0.00009
32.5000	6514.285	32.4999	-0.00007

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

