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SENSOR SERIAL NUMBER: 0415  
CALIBRATION DATE: 06-May-21

Glider APL TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

$g = 4.42978328e-003$   
 $h = 6.46955665e-004$   
 $i = 2.66415620e-005$   
 $j = 3.29285896e-006$   
 $f0 = 1000.0$

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3541.382	1.0000	-0.00004
4.5000	3826.270	4.5001	0.00008
15.0000	4778.705	15.0000	-0.00005
18.5000	5130.067	18.5000	-0.00004
24.0000	5717.771	24.0001	0.00007
29.0000	6290.654	29.0000	0.00003
32.5000	6714.032	32.5000	-0.00003

$f$  = Instrument Output (Hz)

Temperature ITS-90 (°C) =  $1 / \{g + h[\ln(f0 / f)] + i[\ln^2(f0 / f)] + j[\ln^3(f0 / f)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

