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SENSOR SERIAL NUMBER: 0141
 CALIBRATION DATE: 07-Dec-18

Glider APL TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.42239671e-003
 h = 6.52410480e-004
 i = 2.67696409e-005
 j = 3.33951469e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	3458.847	0.9999	-0.00007
4.5000	3734.201	4.5001	0.00011
15.0000	4653.289	15.0000	-0.00002
18.5000	4991.841	18.4999	-0.00012
24.0000	5557.614	24.0000	0.00002
29.0000	6108.566	29.0002	0.00018
32.5000	6515.363	32.4999	-0.00012

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

