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SENSOR SERIAL NUMBER: 5147
 CALIBRATION DATE: 12-Jan-24

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40619587e-003
 h = 6.44553136e-004
 i = 2.33222606e-005
 j = 2.23575084e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3217.727	-1.5000	-0.00001
1.0000	3403.416	1.0000	0.00001
4.5000	3676.224	4.5000	-0.00000
8.0000	3964.401	8.0000	-0.00001
11.5000	4268.362	11.5000	0.00003
15.0000	4588.496	15.0000	0.00000
18.5000	4925.192	18.5000	-0.00005
22.0000	5278.834	22.0000	-0.00001
25.5000	5649.775	25.5000	0.00005
29.0000	6038.345	29.0000	-0.00000
32.5000	6444.889	32.5000	-0.00001

f = Instrument Output (Hz)

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

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

