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SENSOR SERIAL NUMBER: 5122
 CALIBRATION DATE: 23-Dec-22

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39940455e-003
 h = 6.44583979e-004
 i = 2.29147053e-005
 j = 2.13918914e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3179.188	-1.5000	0.00003
1.0000	3362.343	1.0000	-0.00005
4.5000	3631.414	4.5000	0.00001
8.0000	3915.601	8.0000	-0.00003
11.5000	4215.324	11.5000	0.00004
15.0000	4530.967	15.0001	0.00010
18.5000	4862.890	18.4999	-0.00006
22.0000	5211.492	21.9999	-0.00009
25.5000	5577.133	25.5000	0.00004
29.0000	5960.124	29.0001	0.00005
32.5000	6360.792	32.5000	-0.00002

f = Instrument Output (Hz)

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

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

