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SENSOR SERIAL NUMBER: 4551
 CALIBRATION DATE: 05-Feb-23

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.33681537e-003
 h = 6.33852674e-004
 i = 2.00847946e-005
 j = 1.63570151e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2907.461	-1.4999	0.00005
1.0000	3075.992	1.0000	-0.00003
4.5000	3323.648	4.4999	-0.00008
8.0000	3585.328	8.0000	-0.00004
11.5000	3861.416	11.5000	0.00003
15.0000	4152.284	15.0001	0.00008
18.5000	4458.299	18.5001	0.00010
22.0000	4779.806	22.0000	-0.00004
25.5000	5117.176	25.4999	-0.00006
28.9999	5470.717	28.9998	-0.00013
32.5000	5840.820	32.5001	0.00011

f = Instrument Output (Hz)

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

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

