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SENSOR SERIAL NUMBER: 2708
 CALIBRATION DATE: 18-Jul-23

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.38115215e-003
 h = 6.51460023e-004
 i = 2.45682725e-005
 j = 2.33775732e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3053.958	-1.4999	0.00005
1.0000	3228.366	1.0000	-0.00003
4.5000	3484.491	4.4999	-0.00007
8.0000	3754.911	7.9999	-0.00006
11.5000	4040.011	11.5001	0.00007
15.0000	4340.146	15.0001	0.00014
18.5000	4655.656	18.5000	-0.00002
22.0000	4986.914	21.9999	-0.00006
25.5000	5334.249	25.5000	-0.00003
29.0000	5697.967	28.9999	-0.00005
32.5000	6078.391	32.5001	0.00006

f = Instrument Output (Hz)

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

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

