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SENSOR SERIAL NUMBER: 5348
 CALIBRATION DATE: 17-Nov-22

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.36740250e-003
 h = 6.36410731e-004
 i = 2.12813975e-005
 j = 1.82545968e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3052.252	-1.5000	-0.00001
1.0000	3229.446	1.0000	0.00003
4.5000	3489.863	4.5000	-0.00004
8.0000	3765.082	8.0000	-0.00000
11.5000	4055.504	11.5000	0.00003
15.0000	4361.532	15.0001	0.00009
18.5000	4683.526	18.4999	-0.00012
22.0000	5021.914	21.9999	-0.00006
25.5000	5377.043	25.5001	0.00007
29.0000	5749.243	29.0000	0.00005
32.5000	6138.862	32.5000	-0.00004

f = Instrument Output (Hz)

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

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

