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SENSOR SERIAL NUMBER: 6310
 CALIBRATION DATE: 28-Jun-23

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41067249e-003
 h = 6.43745946e-004
 i = 2.33310787e-005
 j = 2.18249367e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3247.551	-1.5000	0.00001
1.0000	3435.393	1.0000	-0.00000
4.5000	3711.421	4.5000	-0.00003
8.0000	4003.072	8.0000	-0.00001
11.5000	4310.767	11.5000	0.00003
15.0000	4634.915	15.0000	0.00004
18.5000	4975.905	18.4999	-0.00007
21.9999	5334.144	21.9999	0.00001
25.5000	5710.011	25.5000	0.00002
29.0000	6103.833	29.0000	-0.00002
32.5000	6515.977	32.5000	0.00001

f = Instrument Output (Hz)

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

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

