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SENSOR SERIAL NUMBER: 6873
 CALIBRATION DATE: 05-Dec-23

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.34518085e-003
 h = 6.40232285e-004
 i = 2.19237107e-005
 j = 1.99480450e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2923.075	-1.5000	0.00003
1.0000	3091.500	1.0000	-0.00002
4.5000	3338.926	4.4999	-0.00005
8.0000	3600.272	8.0000	-0.00002
11.5000	3875.911	11.5000	0.00005
15.0000	4166.203	15.0001	0.00009
18.5000	4471.490	18.5000	-0.00004
22.0000	4792.141	22.0000	-0.00003
25.5000	5128.474	25.5000	-0.00003
29.0000	5480.813	29.0000	0.00001
32.5000	5849.455	32.5000	0.00001

f = Instrument Output (Hz)

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

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

