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SENSOR SERIAL NUMBER: 0604
 CALIBRATION DATE: 19-Jan-24

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.73586862e-003
 h = 6.96049834e-004
 i = 4.59672520e-005
 j = 5.88709154e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	5250.006	-1.5004	-0.00037
1.0000	5556.808	1.0004	0.00035
4.5000	6007.891	4.5004	0.00043
8.0001	6484.776	8.0001	-0.00004
11.5000	6988.116	11.4996	-0.00036
15.0000	7518.541	14.9996	-0.00040
18.5000	8076.582	18.4999	-0.00006
22.0000	8662.670	22.0003	0.00032
25.5001	9277.181	25.5004	0.00031
29.0001	9920.479	29.0001	0.00000
32.5001	10593.000	32.4999	-0.00020

f = Instrument Output (Hz)

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

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

