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SENSOR SERIAL NUMBER: 6243
 CALIBRATION DATE: 19-Aug-21

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39644212e-003
 h = 6.43403146e-004
 i = 2.35528450e-005
 j = 2.20510667e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3174.697	-1.5000	0.00003
1.0000	3358.344	1.0000	-0.00002
4.5000	3628.234	4.5000	-0.00003
8.0000	3913.423	8.0000	-0.00001
11.5000	4214.330	11.5000	0.00003
15.0000	4531.356	15.0000	0.00003
18.5000	4864.894	18.5000	-0.00002
22.0000	5215.340	22.0000	0.00002
25.5000	5583.047	25.5000	-0.00001
29.0000	5968.375	29.0000	-0.00005
32.5000	6371.678	32.5000	0.00004

f = Instrument Output (Hz)

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

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

