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SENSOR SERIAL NUMBER: 0753
 CALIBRATION DATE: 06-Feb-24

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.77907588e-003
 h = 6.91353067e-004
 i = 4.40719240e-005
 j = 5.43030991e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	5694.769	-1.5003	-0.00035
1.0000	6030.363	1.0004	0.00037
4.5000	6523.964	4.5003	0.00033
8.0000	7046.061	8.0000	-0.00003
11.5000	7597.396	11.4997	-0.00032
15.0000	8178.650	14.9997	-0.00033
18.5000	8790.433	18.4999	-0.00007
22.0000	9433.279	22.0003	0.00033
25.5001	10107.598	25.5003	0.00025
29.0001	10813.861	29.0001	-0.00002
32.5000	11552.538	32.4998	-0.00016

f = Instrument Output (Hz)

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

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

