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SENSOR SERIAL NUMBER: 5485
 CALIBRATION DATE: 22-Feb-24

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.32871168e-003
 h = 6.27953723e-004
 i = 1.97060514e-005
 j = 1.47417022e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2897.422	-1.5000	-0.00004
1.0000	3067.008	1.0000	0.00004
4.5000	3316.388	4.5000	0.00004
8.0001	3580.112	8.0001	-0.00003
11.5001	3858.593	11.5001	-0.00000
15.0000	4152.228	15.0000	0.00002
18.5000	4461.420	18.4999	-0.00007
22.0000	4786.574	22.0000	-0.00001
25.5001	5128.063	25.5002	0.00006
29.0001	5486.225	29.0001	0.00004
32.5001	5861.426	32.5001	-0.00004

f = Instrument Output (Hz)

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

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

