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SENSOR SERIAL NUMBER: 4126
 CALIBRATION DATE: 22-Jun-24

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.34400217e-003
 h = 6.30216246e-004
 i = 1.98788753e-005
 j = 1.42402329e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2962.401	-1.5001	-0.00007
1.0000	3135.483	1.0001	0.00007
4.5000	3389.980	4.5001	0.00008
8.0000	3659.084	8.0000	-0.00002
11.5000	3943.232	11.4999	-0.00006
14.9999	4242.836	14.9999	0.00001
18.5000	4558.304	18.4999	-0.00009
22.0000	4890.039	22.0000	-0.00000
25.4999	5238.413	25.5000	0.00011
29.0000	5603.811	29.0001	0.00006
32.4999	5986.565	32.4998	-0.00008

f = Instrument Output (Hz)

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

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

