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SENSOR SERIAL NUMBER: 2034
 CALIBRATION DATE: 22-Jun-24

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41220734e-003
 h = 6.40762704e-004
 i = 2.34289539e-005
 j = 2.21680720e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3275.681	-1.5000	0.00002
1.0000	3466.244	1.0000	-0.00002
4.5000	3746.387	4.5000	-0.00002
8.0000	4042.514	8.0000	-0.00002
11.5000	4355.067	11.5000	-0.00002
14.9999	4684.476	15.0000	0.00009
18.5000	5031.157	18.5000	0.00002
22.0000	5395.504	22.0000	-0.00004
25.4999	5777.911	25.4999	-0.00001
29.0000	6178.767	28.9999	-0.00006
32.4999	6598.412	32.4999	0.00005

f = Instrument Output (Hz)

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

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

