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SENSOR SERIAL NUMBER: 6042
 CALIBRATION DATE: 03-Feb-23

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.34155960e-003
 h = 6.28714097e-004
 i = 1.91484867e-005
 j = 1.29964384e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2954.837	-1.5000	-0.00004
1.0000	3127.552	1.0000	0.00005
4.5000	3381.503	4.5000	0.00003
8.0000	3650.027	8.0000	-0.00001
11.5000	3933.550	11.5000	-0.00001
15.0000	4232.481	15.0000	-0.00004
18.5000	4547.229	18.4999	-0.00005
22.0000	4878.202	22.0001	0.00006
25.5000	5225.762	25.5000	0.00004
29.0000	5590.292	29.0000	-0.00002
32.4999	5972.157	32.4999	-0.00002

f = Instrument Output (Hz)

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

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

