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SENSOR SERIAL NUMBER: 5122
 CALIBRATION DATE: 17-Dec-19

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39907091e-003
 h = 6.43893348e-004
 i = 2.24655618e-005
 j = 2.04412006e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3179.250	-1.4999	0.00005
1.0000	3362.415	0.9999	-0.00006
4.5000	3631.494	4.4999	-0.00006
8.0000	3915.694	8.0000	-0.00002
11.5000	4215.422	11.5001	0.00006
15.0000	4531.072	15.0002	0.00020
18.5000	4862.975	18.4999	-0.00014
22.0000	5211.577	21.9999	-0.00014
25.5000	5577.225	25.5001	0.00007
29.0000	5960.214	29.0001	0.00006
32.5000	6360.888	32.5000	-0.00002

f = Instrument Output (Hz)

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

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

