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SENSOR SERIAL NUMBER: 5122
 CALIBRATION DATE: 21-Jan-20

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39904183e-003
 h = 6.43852360e-004
 i = 2.24583119e-005
 j = 2.04605212e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3179.276	-1.5000	0.00000
1.0000	3362.456	1.0000	0.00000
4.5000	3631.545	4.5000	0.00001
8.0000	3915.748	8.0000	-0.00004
11.5000	4215.482	11.5000	0.00001
15.0000	4531.139	15.0001	0.00012
18.5000	4863.064	18.4999	-0.00008
22.0000	5211.671	21.9999	-0.00011
25.5000	5577.322	25.5001	0.00007
29.0000	5960.315	29.0000	0.00005
32.5000	6360.993	32.5000	-0.00003

f = Instrument Output (Hz)

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

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

