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SENSOR SERIAL NUMBER: 5122
 CALIBRATION DATE: 26-May-21

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.39915825e-003
 h = 6.44054532e-004
 i = 2.25635224e-005
 j = 2.06352708e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3179.260	-1.4999	0.00005
1.0000	3362.424	1.0000	-0.00004
4.5000	3631.497	4.4999	-0.00008
8.0000	3915.696	8.0000	-0.00004
11.5000	4215.425	11.5001	0.00006
15.0000	4531.077	15.0002	0.00021
18.5000	4862.985	18.4999	-0.00010
22.0000	5211.582	21.9998	-0.00017
25.5000	5577.235	25.5001	0.00006
29.0000	5960.226	29.0000	0.00004
32.5000	6360.907	32.5000	-0.00001

f = Instrument Output (Hz)

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

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

