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SENSOR SERIAL NUMBER: 5348
 CALIBRATION DATE: 19-Aug-21

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.36748124e-003
 h = 6.36569257e-004
 i = 2.13930556e-005
 j = 1.85112301e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3052.279	-1.5000	-0.00001
1.0000	3229.472	1.0000	0.00002
4.5000	3489.894	4.5000	-0.00002
8.0000	3765.113	8.0000	-0.00002
11.5000	4055.541	11.5000	0.00004
15.0000	4361.572	15.0001	0.00008
18.5000	4683.569	18.4999	-0.00015
22.0000	5021.968	22.0000	-0.00002
25.5000	5377.098	25.5001	0.00008
29.0000	5749.298	29.0000	0.00003
32.5000	6138.920	32.5000	-0.00003

f = Instrument Output (Hz)

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

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

