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SENSOR SERIAL NUMBER: 5144
 CALIBRATION DATE: 21-Jan-20

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.42342223e-003
 h = 6.49483021e-004
 i = 2.40860068e-005
 j = 2.28433675e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3284.838	-1.5000	0.00003
1.0000	3473.530	1.0000	-0.00004
4.5000	3750.701	4.5000	-0.00000
8.0000	4043.410	8.0000	-0.00000
11.5000	4352.072	11.5000	-0.00001
15.0000	4677.094	15.0000	0.00004
18.5000	5018.854	18.5000	0.00004
22.0000	5377.725	22.0000	-0.00001
25.5000	5754.073	25.5000	-0.00005
29.0000	6148.250	29.0000	-0.00002
32.5000	6560.582	32.5000	0.00003

f = Instrument Output (Hz)

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

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

