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SENSOR SERIAL NUMBER: 5001
 CALIBRATION DATE: 15-Jan-19

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41608635e-003
 h = 6.49747498e-004
 i = 2.27305498e-005
 j = 1.86761915e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3236.957	-1.5000	0.00003
1.0000	3422.207	1.0000	-0.00003
4.5000	3694.263	4.5000	-0.00004
8.0000	3981.519	8.0000	-0.00002
11.5000	4284.387	11.5001	0.00006
15.0000	4603.257	15.0001	0.00009
18.5000	4938.502	18.4999	-0.00008
22.0000	5290.539	22.0000	-0.00002
25.5000	5659.709	25.5000	0.00001
29.0000	6046.358	29.0000	-0.00002
32.5000	6450.839	32.5000	0.00002

f = Instrument Output (Hz)

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

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

