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SENSOR SERIAL NUMBER: 5001
 CALIBRATION DATE: 01-Feb-19

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.41618055e-003
 h = 6.49936597e-004
 i = 2.28567332e-005
 j = 1.89549989e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3236.963	-1.5000	0.00004
1.0000	3422.211	1.0000	-0.00002
4.5000	3694.263	4.4999	-0.00007
8.0000	3981.519	8.0000	-0.00004
11.5000	4284.392	11.5001	0.00009
15.0000	4603.261	15.0001	0.00010
18.5000	4938.510	18.5000	-0.00004
22.0000	5290.539	21.9999	-0.00006
25.5000	5659.712	25.5000	0.00001
29.0000	6046.356	29.0000	-0.00004
32.5000	6450.837	32.5000	0.00004

f = Instrument Output (Hz)

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

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

