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SENSOR SERIAL NUMBER: 1185
 CALIBRATION DATE: 28-Feb-20

SBE 3 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.82437470e-003
 h = 6.74474430e-004
 i = 2.61605318e-005
 j = 2.06718990e-006
 f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5001	6067.983	-1.5001	0.00004
1.0000	6417.476	0.9999	-0.00006
4.5000	6930.823	4.5000	-0.00002
8.0000	7472.932	8.0000	-0.00000
11.5000	8044.568	11.5000	0.00002
15.0000	8646.468	15.0000	0.00004
18.5000	9279.335	18.5000	0.00001
22.0000	9943.867	22.0000	-0.00002
25.5000	10640.735	25.5000	-0.00002
29.0000	11370.568	29.0000	-0.00003
32.5000	12133.994	32.5000	0.00004

f = Instrument Output (Hz)

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

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

