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SENSOR SERIAL NUMBER: 5237
CALIBRATION DATE: 06-Feb-20

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.40981205e-003
h = 6.79285739e-004
i = 2.81114898e-005
j = 2.11369054e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3065.340	-1.4999	0.00007
1.0000	3234.995	1.0000	-0.00005
4.5000	3483.823	4.4999	-0.00010
8.0000	3746.185	8.0000	-0.00000
11.5000	4022.430	11.5001	0.00005
15.0000	4312.922	15.0002	0.00018
18.5000	4617.967	18.4999	-0.00008
22.0000	4937.959	21.9999	-0.00006
25.5000	5273.203	25.5000	-0.00002
29.0000	5624.011	29.0000	-0.00001
32.5000	5990.695	32.5000	0.00004

f = Instrument Output (Hz)

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

Residual (°C) = instrument temperature - bath temperature

