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SENSOR SERIAL NUMBER: 5827
CALIBRATION DATE: 22-Nov-22

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.36805829e-003
h = 6.67750954e-004
i = 2.67979371e-005
j = 2.06288985e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	2917.796	-1.5000	0.00003
1.0000	3081.113	1.0000	-0.00002
4.5000	3320.790	4.5000	-0.00005
8.0000	3573.674	8.0000	-0.00001
11.5000	3840.123	11.5000	0.00002
15.0000	4120.492	15.0001	0.00006
18.5000	4415.120	18.5000	0.00003
22.0000	4724.349	22.0000	-0.00001
25.5000	5048.506	25.4999	-0.00006
29.0000	5387.918	29.0000	-0.00002
32.5000	5742.885	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

