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SENSOR SERIAL NUMBER: 1075
CALIBRATION DATE: 11-Oct-23

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.86409089e-003
h = 6.81590524e-004
i = 2.63574498e-005
j = 1.93487661e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	6358.757	-1.5000	0.00005
1.0000	6722.734	1.0000	-0.00002
4.5001	7257.212	4.5000	-0.00010
8.0000	7821.464	8.0000	-0.00000
11.5001	8416.299	11.5001	0.00001
15.0000	9042.460	15.0002	0.00017
18.5000	9700.650	18.5000	-0.00001
22.0000	10391.661	21.9999	-0.00005
25.5001	11116.188	25.5000	-0.00007
29.0001	11874.866	29.0001	-0.00002
32.5001	12668.351	32.5002	0.00005

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

