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SENSOR SERIAL NUMBER: 12120
CALIBRATION DATE: 10-Nov-23

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -7.709906e-005
a1 = 3.006025e-004
a2 = -3.965121e-006
a3 = 1.869474e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	573904.0	1.0000	0.0001
4.4999	490691.0	4.4998	-0.0001
14.9999	312803.0	15.0001	0.0002
18.5000	270907.0	18.4999	-0.0001
24.0000	217412.0	24.0000	-0.0000
29.0000	179101.0	29.0000	-0.0000
32.5001	156899.0	32.5001	0.0000

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1 / \{a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

