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SENSOR SERIAL NUMBER: 16239
CALIBRATION DATE: 13-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.724001e-004
a1 = 3.169407e-004
a2 = -5.046747e-006
a3 = 2.184030e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	565301.3	1.0001	0.0001
4.4999	484387.3	4.4998	-0.0001
15.0000	310702.8	15.0000	0.0000
18.4999	269616.9	18.5000	0.0001
24.0000	217030.8	23.9999	-0.0001
29.0000	179262.4	28.9999	-0.0001
32.5000	157325.3	32.5001	0.0001

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

