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SENSOR SERIAL NUMBER: 16239
CALIBRATION DATE: 06-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -7.712293e-005
a1 = 2.941655e-004
a2 = -3.232969e-006
a3 = 1.702791e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	565318.0	1.0000	0.0000
4.4999	484389.6	4.4998	-0.0001
14.9999	310704.3	14.9999	0.0000
18.4999	269619.5	18.4999	0.0000
24.0000	217032.6	24.0000	0.0000
29.0000	179263.5	28.9999	-0.0001
32.5000	157324.3	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

