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SENSOR SERIAL NUMBER: 16567
CALIBRATION DATE: 05-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.343878e-004
a1 = 3.080073e-004
a2 = -4.340102e-006
a3 = 2.003702e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	561987.6	1.0000	0.0000
4.4999	481609.5	4.4998	-0.0001
15.0000	309040.8	15.0000	0.0000
18.4999	268207.4	18.5000	0.0001
24.0000	215934.7	23.9999	-0.0001
29.0000	178382.1	29.0001	0.0001
32.5001	156568.5	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

