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SENSOR SERIAL NUMBER: 16565
CALIBRATION DATE: 12-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.316162e-004
a1 = 3.114132e-004
a2 = -4.755470e-006
a3 = 2.098671e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	567529.3	1.0000	0.0001
4.4999	485716.3	4.4998	-0.0001
14.9999	310488.1	15.0001	0.0002
18.5000	269136.4	18.4999	-0.0001
24.0000	216277.4	24.0000	-0.0000
29.0000	178373.2	29.0000	0.0000
32.5003	156384.3	32.5003	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

