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SENSOR SERIAL NUMBER: 16247
CALIBRATION DATE: 30-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.470617e-004
a1 = 3.133420e-004
a2 = -4.909531e-006
a3 = 2.165984e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	569976.4	1.0000	0.0000
4.5000	488169.5	4.4999	-0.0001
15.0000	312699.0	15.0001	0.0001
18.5000	271223.4	18.5000	-0.0000
24.0000	218161.5	24.0000	0.0000
29.0000	180074.5	28.9999	-0.0001
32.5000	157963.4	32.5000	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

