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SENSOR SERIAL NUMBER: 21146
CALIBRATION DATE: 07-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.108058e-004
a1 = 3.198206e-004
a2 = -5.044784e-006
a3 = 2.183784e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	565255.6	0.9999	0.0000
4.4999	485073.1	4.4998	-0.0001
14.9999	312508.8	15.0000	0.0001
18.5000	271567.6	18.5000	-0.0000
24.0000	219077.1	24.0000	0.0000
29.0000	181303.6	28.9999	-0.0001
32.5001	159327.8	32.5002	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

