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SENSOR SERIAL NUMBER: 16306
CALIBRATION DATE: 09-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.348419e-005
a1 = 2.880172e-004
a2 = -2.899941e-006
a3 = 1.612603e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	565947.4	1.0000	-0.0000
4.5000	484400.8	4.5000	0.0000
15.0000	309742.2	15.0000	0.0000
18.5000	268514.2	18.4999	-0.0001
24.0000	215807.2	24.0001	0.0001
29.0000	178005.1	29.0000	-0.0000
32.5000	156072.7	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

