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SENSOR SERIAL NUMBER: 16240
CALIBRATION DATE: 07-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.305846e-004
a1 = 2.974608e-004
a2 = -3.145325e-006
a3 = 1.680486e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	564614.6	0.9999	0.0000
4.4999	484883.7	4.4999	-0.0000
14.9999	313085.7	15.0000	0.0001
18.5000	272270.4	18.4998	-0.0002
24.0000	219888.1	24.0001	0.0001
29.0000	182153.7	29.0000	0.0000
32.5001	160182.8	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

