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SENSOR SERIAL NUMBER: 16564
CALIBRATION DATE: 04-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.448280e-004
a1 = 3.141536e-004
a2 = -4.941652e-006
a3 = 2.150981e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	562606.9	1.0001	0.0002
4.5000	481638.8	4.4995	-0.0005
14.9999	308105.5	15.0004	0.0005
18.4999	267140.3	18.4998	-0.0001
24.0000	214753.4	23.9998	-0.0002
29.0000	177173.8	28.9999	-0.0001
32.5000	155368.1	32.5001	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

