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SENSOR SERIAL NUMBER: 9017
CALIBRATION DATE: 04-Sep-24

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -9.223476e-005
a1 = 3.037069e-004
a2 = -4.249640e-006
a3 = 1.947241e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	585478.0	0.9999	0.0000
4.5000	500529.0	4.4999	-0.0001
14.9999	318968.0	14.9999	-0.0000
18.4999	276209.0	18.5000	0.0001
24.0000	221627.0	23.9999	-0.0001
29.0000	182542.0	28.9999	-0.0001
32.5000	159894.0	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

