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SENSOR SERIAL NUMBER: 9017
CALIBRATION DATE: 07-Sep-24

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.248536e-004
a1 = 3.112619e-004
a2 = -4.832968e-006
a3 = 2.097451e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	585444.0	1.0000	0.0000
4.5000	500502.0	4.5000	-0.0000
14.9999	318953.0	14.9999	0.0000
18.4999	276200.0	18.4999	-0.0000
23.9999	221621.0	23.9999	0.0000
29.0000	182540.0	29.0000	-0.0000
32.5000	159896.0	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

