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SENSOR SERIAL NUMBER: 2318
CALIBRATION DATE: 07-Feb-24

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -4.247586e-004
a1 = 3.821836e-004
a2 = -1.174976e-005
a3 = 4.226965e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	765530.1	1.0000	0.0001
4.4999	655303.8	4.4997	-0.0002
14.9999	418481.4	14.9999	0.0000
18.4999	362461.7	18.5001	0.0002
24.0000	290824.7	23.9998	-0.0002
29.0000	239439.2	28.9999	-0.0001
32.5000	209638.3	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

