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SENSOR SERIAL NUMBER: 2318
CALIBRATION DATE: 21-Feb-24

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -5.055139e-004
a1 = 4.008702e-004
a2 = -1.318967e-005
a3 = 4.596521e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	765486.5	1.0001	0.0001
4.5000	655270.4	4.4998	-0.0002
14.9999	418452.7	15.0001	0.0002
18.4999	362440.9	18.4999	-0.0000
23.9999	290803.5	23.9998	-0.0001
29.0000	239423.9	29.0000	-0.0000
32.5000	209628.8	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

