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SENSOR SERIAL NUMBER: 3424
CALIBRATION DATE: 18-Sep-24

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.309284e-004
a1 = 3.282766e-004
a2 = -6.005451e-006
a3 = 2.437271e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	838129.5	0.9999	-0.0000
4.5000	718974.5	4.5001	0.0001
14.9999	462606.0	14.9997	-0.0002
18.4999	401791.3	18.5001	0.0002
24.0000	323856.2	24.0000	0.0000
29.0000	267795.4	28.9999	-0.0001
32.5000	235195.8	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

