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SENSOR SERIAL NUMBER: 3424
CALIBRATION DATE: 29-Aug-24

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.895664e-004
a1 = 3.186756e-004
a2 = -5.263038e-006
a3 = 2.246036e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	838124.1	0.9999	0.0000
4.5000	718969.0	4.5000	-0.0000
15.0000	462594.2	15.0000	-0.0000
18.4999	401789.5	18.4999	0.0000
24.0000	323854.6	24.0000	-0.0000
29.0000	267792.9	29.0000	-0.0000
32.5001	235192.5	32.5001	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

