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SENSOR SERIAL NUMBER: 1242
CALIBRATION DATE: 17-Feb-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.990101e-004
a1 = 3.202000e-004
a2 = -5.746376e-006
a3 = 2.427864e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	668096.5	0.9998	-0.0001
4.4999	572104.1	4.5001	0.0002
15.0000	366191.8	14.9999	-0.0001
18.5000	317516.5	18.4999	-0.0001
24.0000	255250.6	24.0001	0.0001
29.0000	210566.9	29.0001	0.0001
32.5000	184634.5	32.4999	-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

