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SENSOR SERIAL NUMBER: 13247
CALIBRATION DATE: 06-Oct-22

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -5.838710e-005
a1 = 2.967822e-004
a2 = -3.693839e-006
a3 = 1.817802e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	566730.0	0.9999	-0.0001
4.5000	484692.0	4.5001	0.0001
15.0000	309231.0	15.0000	-0.0000
18.5000	267876.0	18.4999	-0.0001
24.0000	215053.0	24.0001	0.0001
29.0000	177209.0	29.0001	0.0001
32.5000	155272.0	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

