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SENSOR SERIAL NUMBER: 3762
CALIBRATION DATE: 12-Apr-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.151344e-005
a1 = 2.813930e-004
a2 = -2.686849e-006
a3 = 1.659131e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	641984.3	0.9999	-0.0001
4.4999	550168.7	4.5000	0.0001
15.0000	352937.5	14.9999	-0.0001
18.4999	306239.5	18.4999	0.0000
24.0000	246445.4	24.0001	0.0001
29.0000	203485.3	29.0000	0.0000
32.5001	178527.6	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

