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SENSOR SERIAL NUMBER: 1244
CALIBRATION DATE: 12-Feb-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.235469e-004
a1 = 2.916612e-004
a2 = -3.494674e-006
a3 = 1.839104e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	775272.2	1.0000	0.0000
4.5000	664327.6	4.5000	-0.0000
15.0000	426037.7	15.0000	0.0000
18.5000	369632.5	18.5000	-0.0000
24.0000	297420.1	24.0000	-0.0000
29.0000	245543.9	29.0000	0.0000
32.5000	215412.1	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

