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SENSOR SERIAL NUMBER: 0823
CALIBRATION DATE: 19-Nov-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.707091e-004
a1 = 3.335545e-004
a2 = -6.464729e-006
a3 = 2.601446e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	624892.1	1.0000	0.0000
4.4999	535931.6	4.4999	-0.0000
14.9999	344591.0	14.9999	-0.0000
18.5000	299230.5	18.5001	0.0001
24.0000	241114.6	24.0000	0.0000
29.0000	199325.5	28.9999	-0.0001
32.5000	175031.5	32.5001	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

