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SENSOR SERIAL NUMBER: 2328
CALIBRATION DATE: 08-Jun-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.436261e-004
a1 = 3.131052e-004
a2 = -5.724744e-006
a3 = 2.467930e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	730596.6	1.0000	0.0000
4.5000	624429.2	4.4999	-0.0001
15.0000	397338.8	15.0001	0.0001
18.5000	343846.3	18.4999	-0.0001
24.0000	275559.1	23.9999	-0.0001
29.0000	226674.5	29.0001	0.0001
32.5000	198362.7	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

