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SENSOR SERIAL NUMBER: 3936
CALIBRATION DATE: 17-Sep-24

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 6.452523e-005
a1 = 2.603580e-004
a2 = -1.087637e-006
a3 = 1.236770e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	642571.1	1.0001	0.0001
4.5000	550421.0	4.4998	-0.0002
14.9999	352631.2	15.0000	0.0001
18.4999	305846.9	18.5000	0.0001
24.0000	245973.2	23.9999	-0.0001
29.0000	202977.1	28.9999	-0.0001
32.5001	178007.8	32.5002	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

