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SENSOR SERIAL NUMBER: 1251
CALIBRATION DATE: 10-Nov-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 4.391505e-005
a1 = 2.690516e-004
a2 = -1.687381e-006
a3 = 1.416575e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	578625.0	1.0001	0.0002
4.4999	496026.8	4.4995	-0.0004
14.9999	318458.5	15.0004	0.0005
18.5000	276402.7	18.4998	-0.0002
24.0000	222524.4	23.9999	-0.0001
29.0000	183796.3	28.9999	-0.0001
32.5001	161288.7	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

