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SENSOR SERIAL NUMBER: 1807
CALIBRATION DATE: 10-May-24

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.086621e-005
a1 = 2.827617e-004
a2 = -3.118674e-006
a3 = 1.762298e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	695593.2	1.0001	0.0001
4.4999	594864.0	4.4998	-0.0001
14.9999	379252.0	15.0000	0.0001
18.5000	328409.7	18.5001	0.0001
23.9999	263474.5	23.9997	-0.0002
29.0000	216944.6	28.9999	-0.0001
32.5001	189974.2	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

