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SENSOR SERIAL NUMBER: 2332
CALIBRATION DATE: 08-Jan-25

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.847287e-005
a1 = 2.870372e-004
a2 = -3.958331e-006
a3 = 2.115210e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	710171.1	1.0000	0.0001
4.5000	607628.3	4.4999	-0.0001
14.9999	387753.8	14.9999	-0.0000
18.4999	335819.6	18.5001	0.0002
23.9999	269437.4	23.9998	-0.0001
29.0000	221839.9	28.9998	-0.0002
32.5001	194235.8	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

