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SENSOR SERIAL NUMBER: 2325
CALIBRATION DATE: 04-Feb-24

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -4.837599e-004
a1 = 4.064228e-004
a2 = -1.398388e-005
a3 = 4.931112e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	682110.6	0.9999	0.0000
4.5000	584204.2	4.5000	-0.0000
15.0000	373535.8	14.9999	-0.0001
18.5000	323627.6	18.5002	0.0002
24.0000	259761.0	24.0000	0.0000
29.0000	213923.6	28.9998	-0.0002
32.5000	187324.8	32.5001	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

