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SENSOR SERIAL NUMBER: 9309
CALIBRATION DATE: 12-Nov-23

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.306827e-004
a1 = 3.187706e-004
a2 = -5.665844e-006
a3 = 2.335590e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	579906.0	1.0000	-0.0000
4.5001	495202.0	4.5002	0.0001
15.0000	314510.0	15.0000	0.0000
18.5000	272049.0	18.4999	-0.0001
24.0000	217910.0	24.0001	0.0001
29.0000	179206.0	29.0000	-0.0000
32.4998	156809.0	32.4998	-0.0000

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

