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SENSOR SERIAL NUMBER: 21148
CALIBRATION DATE: 17-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.213367e-004
a1 = 3.088623e-004
a2 = -4.495537e-006
a3 = 2.007480e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0008	565778.7	1.0008	-0.0000
4.5000	484111.3	4.5000	0.0000
15.0000	309270.3	15.0000	-0.0000
18.5000	268029.8	18.5000	0.0000
24.0000	215334.0	24.0001	0.0001
29.0000	177560.7	28.9999	-0.0001
32.5000	155652.7	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

