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SENSOR SERIAL NUMBER: 21147
CALIBRATION DATE: 17-Feb-22

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.034585e-004
a1 = 3.026164e-004
a2 = -3.956003e-006
a3 = 1.878511e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	566110.8	1.0000	-0.0000
4.5000	484699.2	4.5000	0.0000
15.0000	310234.5	15.0000	-0.0000
18.5000	269026.5	18.5001	0.0001
24.0000	216333.4	23.9999	-0.0001
29.0000	178522.7	29.0001	0.0001
32.5000	156581.3	32.4999	-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

