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SENSOR SERIAL NUMBER: 9017
CALIBRATION DATE: 01-Dec-20

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.414209e-004
a1 = 3.149702e-004
a2 = -5.110771e-006
a3 = 2.167227e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	585392.0	0.9999	-0.0000
4.5000	500460.0	4.5000	0.0000
15.0000	318938.0	15.0000	-0.0000
18.5000	276190.0	18.5000	0.0000
24.0000	221620.0	24.0000	-0.0000
29.0000	182545.0	29.0000	0.0000
32.5001	159904.0	32.5001	-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

