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SENSOR SERIAL NUMBER: 13247
CALIBRATION DATE: 03-Dec-20

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.062624e-004
a1 = 3.079641e-004
a2 = -4.563903e-006
a3 = 2.043314e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	566744.0	0.9999	-0.0000
4.4999	484707.0	4.4999	0.0000
14.9999	309236.0	14.9999	-0.0000
18.5000	267878.0	18.5000	-0.0000
24.0000	215057.0	24.0001	0.0001
29.0000	177216.0	28.9999	-0.0001
32.5001	155279.0	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

