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SENSOR SERIAL NUMBER: 9309
CALIBRATION DATE: 10-Mar-18

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.491699e-004
a1 = 3.222916e-004
a2 = -5.876540e-006
a3 = 2.373596e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	579874.0	0.9999	-0.0001
4.5000	495161.0	4.5001	0.0001
15.0000	314474.0	15.0001	0.0001
18.5000	272023.0	18.4998	-0.0002
24.0000	217898.0	23.9999	-0.0001
29.0000	179202.0	29.0003	0.0003
32.5000	156815.0	32.4998	-0.0002

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

