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SENSOR SERIAL NUMBER: 9309
CALIBRATION DATE: 30-Jan-18

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -9.881167e-005
a1 = 3.104044e-004
a2 = -4.941775e-006
a3 = 2.128689e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	579890.0	1.0000	-0.0000
4.4999	495176.0	4.4999	0.0000
14.9999	314486.0	14.9998	-0.0001
18.4999	272029.0	18.5000	0.0001
24.0000	217904.0	23.9999	-0.0001
29.0000	179207.0	29.0001	0.0001
32.5001	156814.0	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

