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SENSOR SERIAL NUMBER: 9017
CALIBRATION DATE: 23-Oct-18

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.164572e-004
a1 = 3.093458e-004
a2 = -4.685688e-006
a3 = 2.059289e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	585471.0	1.0000	0.0001
4.5000	500522.0	4.4998	-0.0002
14.9999	318951.0	15.0001	0.0002
18.5000	276196.0	18.4999	-0.0001
24.0000	221614.0	24.0000	-0.0000
29.0000	182532.0	28.9999	-0.0001
32.4998	159887.0	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

