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SENSOR SERIAL NUMBER: 2341
CALIBRATION DATE: 22-Jun-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.055784e-004
a1 = 3.569428e-004
a2 = -9.600693e-006
a3 = 3.623077e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	711871.5	1.0001	0.0001
4.5000	609068.2	4.4998	-0.0002
15.0000	388504.7	15.0002	0.0002
18.5000	336406.9	18.5000	-0.0000
24.0000	269813.4	24.0000	-0.0000
29.0000	222081.1	28.9999	-0.0001
32.5000	194408.1	32.5001	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

