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SENSOR SERIAL NUMBER: 2321
CALIBRATION DATE: 28-Apr-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -4.205821e-005
a1 = 2.920891e-004
a2 = -4.020465e-006
a3 = 2.007261e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	693880.0	1.0000	0.0000
4.5000	592860.5	4.5000	-0.0000
15.0000	376966.3	15.0000	-0.0000
18.5000	326142.0	18.5001	0.0001
24.0000	261293.3	24.0000	-0.0000
29.0000	214887.0	28.9999	-0.0001
32.5000	188014.1	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

