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SENSOR SERIAL NUMBER: 1807
CALIBRATION DATE: 28-Apr-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 3.578195e-006
a1 = 2.768094e-004
a2 = -2.636456e-006
a3 = 1.632392e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	695569.2	1.0000	-0.0000
4.5000	594824.1	4.5001	0.0001
15.0000	379228.2	15.0000	-0.0000
18.5000	328392.9	18.5000	-0.0000
24.0000	263458.9	24.0000	-0.0000
29.0000	216934.7	29.0001	0.0001
32.5000	189969.5	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

