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SENSOR SERIAL NUMBER: 12120
CALIBRATION DATE: 23-Dec-17

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.174408e-004
a1 = 3.103253e-004
a2 = -4.744911e-006
a3 = 2.077578e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	573915.0	1.0000	0.0000
4.5000	490701.0	4.5000	-0.0000
15.0000	312810.0	15.0000	-0.0000
18.4999	270909.0	18.5000	0.0001
23.9999	217413.0	23.9998	-0.0001
29.0000	179099.0	29.0000	0.0000
32.5000	156898.0	32.5000	-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

