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SENSOR SERIAL NUMBER: 0204
CALIBRATION DATE: 21-Feb-18

SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.978248e-005
a1 = 2.746759e-004
a2 = -2.263058e-006
a3 = 1.515397e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	751623.9	1.0000	0.0000
4.5000	643503.8	4.5000	-0.0000
15.0000	411661.9	15.0000	0.0000
18.5000	356878.0	18.5000	0.0000
24.0000	286810.7	23.9999	-0.0001
29.0000	236530.8	29.0000	0.0000
32.5000	207350.9	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

