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SENSOR SERIAL NUMBER: 3765
CALIBRATION DATE: 07-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 6.315016e-005
a1 = 2.588615e-004
a2 = -9.987855e-007
a3 = 1.205913e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	671043.4	1.0001	0.0001
4.5000	574678.4	4.4998	-0.0002
14.9999	367930.1	15.0001	0.0002
18.4999	319051.2	18.4999	-0.0000
23.9999	256509.9	23.9999	0.0000
29.0000	211613.5	28.9998	-0.0002
32.5000	185546.0	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

