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SENSOR SERIAL NUMBER: 2327
CALIBRATION DATE: 28-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.001394e-006
a1 = 2.830306e-004
a2 = -3.037125e-006
a3 = 1.689529e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	659684.0	0.9999	0.0000
4.5000	563584.0	4.5000	0.0000
14.9999	358352.6	14.9999	0.0000
18.4999	310068.4	18.4998	-0.0001
24.0000	248459.4	24.0002	0.0002
29.0001	204384.7	28.9999	-0.0002
32.5000	178861.1	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

