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SENSOR SERIAL NUMBER: 1527
CALIBRATION DATE: 07-Aug-22

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -8.365809e-006
a1 = 2.750147e-004
a2 = -2.256190e-006
a3 = 1.554333e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	664307.2	1.0000	0.0000
4.5000	569240.3	4.4999	-0.0001
15.0000	365038.6	15.0000	0.0000
18.5000	316698.8	18.5001	0.0001
24.0000	254813.1	23.9998	-0.0002
29.0000	210349.6	29.0001	0.0001
32.5000	184523.5	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

