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SENSOR SERIAL NUMBER: 0661
CALIBRATION DATE: 20-Sep-24

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -7.971736e-005
a1 = 2.889068e-004
a2 = -3.276654e-006
a3 = 1.789904e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	691062.4	1.0000	0.0000
4.5000	592029.1	4.4999	-0.0001
14.9999	379417.7	15.0000	0.0001
18.5000	329117.7	18.4999	-0.0001
24.0000	264737.4	24.0000	0.0000
29.0000	218504.8	28.9999	-0.0001
32.5000	191655.4	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

