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SENSOR SERIAL NUMBER: 3777
CALIBRATION DATE: 01-Dec-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.699427e-005
a1 = 2.906957e-004
a2 = -3.450161e-006
a3 = 1.856943e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	642574.4	1.0000	0.0000
4.5000	550534.8	4.5000	-0.0000
14.9999	352896.9	15.0001	0.0002
18.5000	306132.7	18.4997	-0.0003
24.0000	246264.8	24.0000	-0.0000
29.0000	203266.4	29.0002	0.0002
32.5000	178298.0	32.4999	-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

