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SENSOR SERIAL NUMBER: 3936
CALIBRATION DATE: 22-Sep-22

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 2.110208e-004
a1 = 2.251945e-004
a2 = 1.725917e-006
a3 = 4.863167e-008

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	642692.9	1.0001	0.0001
4.5000	550481.2	4.4999	-0.0001
15.0000	352642.6	14.9997	-0.0003
18.5000	305849.1	18.5001	0.0001
24.0000	245965.7	24.0010	0.0010
29.0000	202989.6	28.9984	-0.0016
32.5000	178002.8	32.5007	0.0007

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

