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SENSOR SERIAL NUMBER: 16238
CALIBRATION DATE: 17-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.146502e-004
a1 = 3.443221e-004
a2 = -6.928978e-006
a3 = 2.670967e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0008	559008.3	1.0010	0.0002
4.5000	479775.3	4.4996	-0.0004
15.0000	309150.4	15.0004	0.0004
18.5000	268673.8	18.5000	-0.0000
24.0000	216773.2	23.9998	-0.0002
29.0000	179421.7	28.9998	-0.0002
32.5000	157691.2	32.5002	0.0002

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

