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SENSOR SERIAL NUMBER: 16243  
CALIBRATION DATE: 04-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.513399e-004  
a1 = 3.133471e-004  
a2 = -4.844293e-006  
a3 = 2.128405e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	572859.4	1.0000	0.0001
4.5000	490593.0	4.4997	-0.0003
14.9999	314174.8	15.0002	0.0003
18.4999	272491.8	18.4998	-0.0001
24.0000	219168.9	23.9998	-0.0002
29.0000	180898.1	29.0000	-0.0000
32.5000	158683.5	32.5001	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

