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SENSOR SERIAL NUMBER: 16245  
CALIBRATION DATE: 04-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.303059e-004  
a1 = 3.108122e-004  
a2 = -4.674559e-006  
a3 = 2.058216e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	571109.8	1.0000	0.0001
4.5000	488644.9	4.4998	-0.0002
14.9999	312124.2	15.0002	0.0003
18.4999	270495.9	18.4998	-0.0001
24.0000	217299.6	23.9999	-0.0001
29.0000	179167.2	29.0000	-0.0000
32.5000	157054.1	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

