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SENSOR SERIAL NUMBER: 16244  
CALIBRATION DATE: 06-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -9.663200e-005  
a1 = 2.996712e-004  
a2 = -3.701165e-006  
a3 = 1.818705e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	568728.3	1.0000	0.0000
4.4999	487118.4	4.4999	-0.0000
14.9999	312102.8	14.9999	-0.0000
18.4999	270734.9	18.4999	0.0000
24.0000	217811.1	24.0001	0.0001
29.0000	179821.3	28.9999	-0.0001
32.5000	157763.5	32.5000	0.0000

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

