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SENSOR SERIAL NUMBER: 16241  
CALIBRATION DATE: 07-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -4.266296e-004  
a1 = 3.680419e-004  
a2 = -8.776643e-006  
a3 = 3.187034e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	562833.9	1.0001	0.0002
4.4999	483515.5	4.4996	-0.0003
14.9999	312415.8	15.0002	0.0003
18.5000	271739.7	18.5000	-0.0000
24.0000	219528.3	23.9998	-0.0002
29.0000	181904.9	28.9999	-0.0001
32.5001	159996.6	32.5002	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

