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SENSOR SERIAL NUMBER: 16256  
CALIBRATION DATE: 05-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.758027e-004  
a1 = 3.168438e-004  
a2 = -4.969933e-006  
a3 = 2.146401e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	565213.9	1.0001	0.0001
4.4999	484304.5	4.4998	-0.0001
15.0000	310653.3	15.0001	0.0001
18.4999	269581.8	18.4999	0.0000
24.0000	217012.8	24.0000	-0.0000
29.0000	179259.7	28.9999	-0.0001
32.5001	157330.5	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

