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SENSOR SERIAL NUMBER: 16246  
CALIBRATION DATE: 11-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.744679e-004  
a1 = 3.202106e-004  
a2 = -5.337922e-006  
a3 = 2.222037e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	567232.1	1.0000	0.0000
4.5000	485428.3	4.4999	-0.0001
14.9999	310273.8	15.0001	0.0002
18.4999	268950.3	18.4998	-0.0001
23.9999	216135.5	23.9998	-0.0001
29.0000	178265.8	29.0001	0.0001
32.5000	156302.2	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

