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SENSOR SERIAL NUMBER: 21148  
CALIBRATION DATE: 07-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.326773e-004  
a1 = 3.116828e-004  
a2 = -4.730619e-006  
a3 = 2.073114e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	565749.5	0.9999	0.0000
4.4999	484081.1	4.4999	-0.0000
14.9999	309263.6	15.0000	0.0001
18.5000	268027.7	18.4999	-0.0001
24.0000	215335.2	24.0000	0.0000
29.0000	177562.3	29.0000	-0.0000
32.5001	155655.4	32.5001	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

