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SENSOR SERIAL NUMBER: 21148  
CALIBRATION DATE: 20-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.697130e-004  
a1 = 3.204791e-004  
a2 = -5.425724e-006  
a3 = 2.255832e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	565776.7	1.0000	-0.0000
4.5000	484101.8	4.5000	0.0000
14.9999	309273.0	14.9999	-0.0000
18.4999	268032.5	18.4999	0.0000
24.0000	215336.7	24.0000	0.0000
29.0000	177563.3	29.0000	-0.0000
32.5001	155656.4	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

