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SENSOR SERIAL NUMBER: 15274  
CALIBRATION DATE: 04-Mar-25

SBE 37 V2 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.998289e-001  
a1 = 4.711182e-002  
a2 = -3.660663e-003  
a3 = 9.540015e-005

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	570393.4	0.8877	-0.1122
4.5000	490852.6	4.7027	0.2027
14.9999	319385.6	14.9216	-0.0783
18.4999	279434.5	18.2865	-0.2134
24.0000	226795.6	24.1990	0.1990
29.0000	195063.3	29.2417	0.2417
32.5000	180145.8	32.2593	-0.2407

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

