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SENSOR SERIAL NUMBER: 2322  
CALIBRATION DATE: 05-May-21

SBE 37 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.034099e-004  
a1 = 3.068666e-004  
a2 = -4.479584e-006  
a3 = 2.030811e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	566349.8	1.0000	-0.0000
4.5000	484488.6	4.5001	0.0001
15.0000	309311.6	15.0000	-0.0000
18.4999	268003.1	18.4998	-0.0001
24.0000	215225.9	24.0000	-0.0000
28.9999	177401.8	29.0000	0.0001
32.5001	155471.5	32.5000	-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

