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SENSOR SERIAL NUMBER: 2323  
CALIBRATION DATE: 14-Apr-23

SBE 37 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -9.446758e-005  
a1 = 3.014024e-004  
a2 = -4.943452e-006  
a3 = 2.292936e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	754622.3	1.0000	-0.0000
4.4999	644994.2	4.4999	-0.0000
15.0000	410442.0	15.0001	0.0001
18.5000	355176.8	18.4999	-0.0001
24.0000	284616.8	24.0000	-0.0000
29.0000	234100.5	29.0001	0.0001
32.5000	204841.5	32.4999	-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

