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SENSOR SERIAL NUMBER: 1245
CALIBRATION DATE: 09-Sep-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -5.548091e-005
a1 = 2.902827e-004
a2 = -3.424955e-006
a3 = 1.849633e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	623968.0	1.0001	0.0001
4.4999	534498.5	4.4998	-0.0001
15.0000	342431.9	15.0001	0.0001
18.5000	297001.4	18.5000	0.0000
24.0000	238861.4	23.9999	-0.0001
29.0001	197113.4	29.0000	-0.0001
32.5000	172872.8	32.5001	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

