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SENSOR SERIAL NUMBER: 3722
CALIBRATION DATE: 09-Sep-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.015905e-004
a1 = 2.490389e-004
a2 = -1.405081e-007
a3 = 9.807072e-008

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	655996.4	1.0002	0.0002
4.4999	562063.4	4.4995	-0.0004
15.0000	360339.4	15.0004	0.0004
18.5000	312612.4	18.5001	0.0001
24.0000	251513.1	23.9997	-0.0003
29.0001	207617.5	29.0000	-0.0001
32.5000	182120.1	32.5002	0.0002

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

