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SENSOR SERIAL NUMBER: 2336
CALIBRATION DATE: 21-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.196031e-004
a1 = 3.664411e-004
a2 = -1.060443e-005
a3 = 3.987652e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	663547.2	1.0000	-0.0000
4.5000	568156.7	4.5001	0.0001
15.0000	363127.6	14.9999	-0.0001
18.5000	314599.5	18.5000	0.0000
24.0000	252513.1	24.0001	0.0001
29.0000	207964.4	29.0000	-0.0000
32.5000	182119.1	32.5000	-0.0000

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

