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SENSOR SERIAL NUMBER: 2322
CALIBRATION DATE: 25-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.315654e-004
a1 = 3.132234e-004
a2 = -4.954778e-006
a3 = 2.148213e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9998	566438.7	0.9997	-0.0001
4.5000	484546.9	4.5001	0.0001
15.0000	309331.0	14.9999	-0.0001
18.5000	268014.8	18.5000	-0.0000
23.9999	215234.9	23.9999	0.0000
28.9999	177410.2	29.0000	0.0001
32.5001	155479.8	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

