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SENSOR SERIAL NUMBER: 2331
CALIBRATION DATE: 26-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.374721e-004
a1 = 3.583729e-004
a2 = -1.167879e-005
a3 = 4.822659e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	703656.2	0.9998	-0.0001
4.5000	605175.4	4.5001	0.0001
15.0000	391098.6	14.9999	-0.0001
18.4999	339852.5	18.4999	0.0000
24.0000	273897.0	23.9999	-0.0001
29.0000	226264.8	29.0002	0.0002
32.5000	198506.4	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

