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SENSOR SERIAL NUMBER: 2331
CALIBRATION DATE: 05-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.705757e-004
a1 = 3.659676e-004
a2 = -1.225875e-005
a3 = 4.970069e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	703665.5	0.9999	-0.0001
4.5000	605181.1	4.5002	0.0002
15.0000	391098.3	14.9999	-0.0001
18.4999	339851.2	18.4999	-0.0000
24.0000	273893.5	24.0001	0.0001
28.9999	226266.5	29.0000	0.0001
32.5001	198507.3	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

