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SENSOR SERIAL NUMBER: 0823
CALIBRATION DATE: 08-Sep-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.842845e-004
a1 = 3.365842e-004
a2 = -6.689924e-006
a3 = 2.657204e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	624886.5	1.0000	0.0000
4.4999	535926.5	4.4999	-0.0000
15.0000	344588.1	14.9999	-0.0001
18.4999	299230.1	18.5000	0.0001
23.9999	241117.6	23.9999	-0.0000
29.0000	199329.9	28.9999	-0.0001
32.5001	175036.6	32.5002	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

