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SENSOR SERIAL NUMBER: 1850
CALIBRATION DATE: 08-Jun-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.008809e-005
a1 = 2.687061e-004
a2 = -1.875680e-006
a3 = 1.442274e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	772839.1	1.0000	-0.0000
4.5000	661909.0	4.5000	0.0000
15.0000	423850.2	15.0001	0.0001
18.5000	367550.6	18.4999	-0.0001
24.0000	295507.2	23.9999	-0.0001
29.0000	243780.8	29.0002	0.0002
32.5000	213752.6	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

