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SENSOR SERIAL NUMBER: 1860
CALIBRATION DATE: 07-Jun-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.697401e-005
a1 = 2.869770e-004
a2 = -3.140201e-006
a3 = 1.801359e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	659011.7	1.0000	-0.0000
4.5000	565136.0	4.5000	0.0000
15.0000	363201.6	15.0000	0.0000
18.5000	315324.0	18.4999	-0.0001
24.0000	253971.1	24.0000	-0.0000
29.0000	209849.8	29.0001	0.0001
32.5000	184202.5	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

