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SENSOR SERIAL NUMBER: 2448
CALIBRATION DATE: 19-Nov-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.443734e-005
a1 = 2.737556e-004
a2 = -2.269525e-006
a3 = 1.515962e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	677329.8	1.0000	-0.0000
4.4999	579324.0	4.5000	0.0001
14.9999	369562.1	14.9999	-0.0000
18.5000	320092.0	18.4999	-0.0001
24.0000	256890.5	24.0001	0.0001
29.0000	211600.3	29.0000	0.0000
32.5000	185343.7	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

