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SENSOR SERIAL NUMBER: 1805
CALIBRATION DATE: 04-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.099239e-004
a1 = 3.350988e-004
a2 = -6.777762e-006
a3 = 2.608608e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	569254.2	0.9999	-0.0001
4.4999	486401.0	4.5000	0.0001
15.0000	309481.7	14.9999	-0.0001
18.5000	267861.3	18.4999	-0.0001
24.0000	214764.8	24.0001	0.0001
29.0000	176778.0	29.0000	-0.0000
32.5001	154781.2	32.5001	-0.0000

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

