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SENSOR SERIAL NUMBER: 1805
CALIBRATION DATE: 28-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.578183e-004
a1 = 3.231575e-004
a2 = -5.865621e-006
a3 = 2.376285e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	569297.3	0.9999	0.0000
4.5000	486438.0	4.5000	-0.0000
14.9999	309498.8	15.0000	0.0001
18.4999	267876.7	18.4997	-0.0002
24.0000	214769.8	24.0001	0.0001
29.0001	176773.5	29.0001	-0.0000
32.5000	154772.2	32.5000	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

