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SENSOR SERIAL NUMBER: 0661
CALIBRATION DATE: 01-Dec-20

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -5.004042e-005
a1 = 2.820812e-004
a2 = -2.754408e-006
a3 = 1.656987e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	691048.5	1.0000	0.0001
4.5000	592018.2	4.4999	-0.0001
15.0000	379417.7	15.0001	0.0001
18.5000	329118.4	18.5000	0.0000
24.0000	264740.7	23.9999	-0.0001
29.0000	218506.0	28.9999	-0.0001
32.5001	191654.4	32.5002	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

