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SENSOR SERIAL NUMBER: 0819
CALIBRATION DATE: 10-Sep-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.208036e-004
a1 = 3.370379e-004
a2 = -6.572372e-006
a3 = 2.632882e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	657325.2	1.0001	0.0001
4.5000	564521.3	4.4998	-0.0002
15.0000	364403.0	15.0001	0.0001
18.5000	316837.6	18.5000	0.0000
24.0000	255796.1	23.9999	-0.0001
29.0000	211822.4	28.9999	-0.0001
32.5000	186221.4	32.5001	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

