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SENSOR SERIAL NUMBER: 2328
CALIBRATION DATE: 30-Apr-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.107348e-004
a1 = 3.053856e-004
a2 = -5.121944e-006
a3 = 2.311272e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	730610.8	1.0001	0.0001
4.5000	624443.8	4.4998	-0.0002
15.0000	397352.5	15.0001	0.0001
18.5000	343854.7	18.5002	0.0002
23.9999	275575.3	23.9996	-0.0003
29.0000	226685.4	29.0001	0.0001
32.5000	198371.8	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

