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SENSOR SERIAL NUMBER: 3768
CALIBRATION DATE: 22-Jun-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.121131e-004
a1 = 2.524247e-004
a2 = -4.433627e-007
a3 = 1.089903e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	597772.8	1.0001	0.0001
4.5000	512270.9	4.4999	-0.0001
15.0000	328600.2	15.0001	0.0001
18.5000	285116.4	18.5000	-0.0000
24.0000	229434.8	23.9999	-0.0001
29.0000	189424.3	29.0000	-0.0000
32.5000	166178.9	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

