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SENSOR SERIAL NUMBER: 3531
CALIBRATION DATE: 19-Dec-17

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.941381e-004
a1 = 2.970780e-004
a2 = -3.562518e-006
a3 = 1.802601e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	825143.6	1.0002	0.0002
4.5000	707828.8	4.4997	-0.0003
15.0000	455413.7	15.0002	0.0002
18.5000	395558.0	18.5001	0.0001
24.0000	318843.6	23.9999	-0.0001
29.0000	263656.2	28.9998	-0.0002
32.5000	231559.5	32.5002	0.0002

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

