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SENSOR SERIAL NUMBER: 13247
CALIBRATION DATE: 14-Nov-18

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -9.283360e-005
a1 = 3.048185e-004
a2 = -4.317498e-006
a3 = 1.978729e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	566768.0	1.0000	0.0000
4.5000	484726.0	4.5000	-0.0000
15.0000	309240.0	15.0001	0.0001
18.5000	267882.0	18.5000	-0.0000
24.0000	215059.0	24.0000	-0.0000
29.0000	177214.0	29.0000	0.0000
32.5000	155277.0	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

