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SENSOR SERIAL NUMBER: 0823
CALIBRATION DATE: 16-Oct-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.738488e-004
a1 = 3.342217e-004
a2 = -6.511490e-006
a3 = 2.612226e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	624896.5	1.0000	-0.0000
4.5000	535930.0	4.5000	0.0000
15.0000	344589.2	15.0000	0.0000
18.5000	299232.2	18.5000	-0.0000
24.0000	241116.3	23.9999	-0.0001
29.0000	199325.4	29.0001	0.0001
32.5000	175034.4	32.4999	-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

