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SENSOR SERIAL NUMBER: 0827
CALIBRATION DATE: 10-Oct-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.119171e-004
a1 = 3.261943e-004
a2 = -6.016875e-006
a3 = 2.489076e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	597008.3	1.0000	0.0000
4.5000	511550.5	4.4999	-0.0001
15.0000	328046.4	15.0001	0.0001
18.4999	284625.6	18.5000	0.0001
24.0000	229046.8	23.9999	-0.0001
29.0000	189128.9	29.0000	-0.0000
32.5000	165946.0	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

