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SENSOR SERIAL NUMBER: 0812
CALIBRATION DATE: 27-Sep-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.556599e-004
a1 = 3.340586e-004
a2 = -6.573211e-006
a3 = 2.611162e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	614981.3	1.0000	0.0000
4.5000	526890.2	4.4999	-0.0001
15.0000	337787.6	15.0001	0.0001
18.5000	293056.2	18.5000	-0.0000
24.0000	235808.2	24.0000	0.0000
28.9999	194702.2	28.9998	-0.0001
32.5000	170829.9	32.5001	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

