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SENSOR SERIAL NUMBER: 0818
CALIBRATION DATE: 23-Dec-17

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -5.449461e-006
a1 = 2.831949e-004
a2 = -2.859451e-006
a3 = 1.712095e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	576722.5	1.0000	0.0000
4.5000	494032.6	4.4999	-0.0001
15.0000	316530.7	15.0001	0.0001
18.5000	274543.0	18.5000	-0.0000
24.0000	220806.2	24.0000	-0.0000
29.0000	182219.6	28.9999	-0.0001
32.5000	159812.7	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

