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SENSOR SERIAL NUMBER: 0818
CALIBRATION DATE: 14-Nov-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.633638e-005
a1 = 2.907792e-004
a2 = -3.479168e-006
a3 = 1.880555e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	576735.1	1.0000	-0.0000
4.5000	494047.8	4.5000	0.0000
15.0000	316545.2	15.0000	0.0000
18.5000	274554.2	18.4999	-0.0001
24.0000	220812.6	24.0000	0.0000
29.0000	182222.5	29.0001	0.0001
32.4999	159816.0	32.4999	-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

