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SENSOR SERIAL NUMBER: 0817
CALIBRATION DATE: 25-Oct-18

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.950292e-004
a1 = 3.124448e-004
a2 = -4.854059e-006
a3 = 2.145423e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	685481.7	1.0000	0.0000
4.4999	587360.3	4.4999	-0.0000
15.0000	376693.1	15.0000	-0.0000
18.5000	326845.9	18.5001	0.0001
24.0000	263044.7	24.0000	0.0000
29.0000	217220.5	28.9999	-0.0001
32.5000	190603.6	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

