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SENSOR SERIAL NUMBER: 1850
CALIBRATION DATE: 25-Apr-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.681967e-005
a1 = 2.822722e-004
a2 = -2.955403e-006
a3 = 1.728325e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	772800.9	1.0001	0.0001
4.5000	661898.7	4.4999	-0.0001
15.0000	423850.1	15.0001	0.0001
18.5000	367546.3	18.5001	0.0001
24.0000	295502.0	23.9999	-0.0001
29.0000	243775.0	29.0000	-0.0000
32.5001	213742.9	32.5001	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

