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SENSOR SERIAL NUMBER: 1855
CALIBRATION DATE: 19-Jul-19

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 3.269554e-005
a1 = 2.655916e-004
a2 = -1.542517e-006
a3 = 1.386991e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	658380.9	1.0001	0.0001
4.5000	564345.4	4.4998	-0.0002
15.0000	362216.2	15.0001	0.0001
18.5000	314334.6	18.5001	0.0001
23.9999	253011.9	23.9998	-0.0001
29.0000	208932.1	28.9999	-0.0001
32.5000	183316.9	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

