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SENSOR SERIAL NUMBER: 2357
CALIBRATION DATE: 04-Jun-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.168445e-005
a1 = 2.905642e-004
a2 = -3.456732e-006
a3 = 1.807371e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	663544.6	1.0001	0.0001
4.5000	567701.2	4.4999	-0.0001
15.0000	362460.5	15.0000	0.0000
18.5000	314035.7	18.5001	0.0001
24.0000	252158.4	23.9999	-0.0001
29.0000	207800.4	28.9999	-0.0001
32.5000	182075.3	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

