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SENSOR SERIAL NUMBER: 2357
CALIBRATION DATE: 09-Apr-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -5.139797e-005
a1 = 2.885221e-004
a2 = -3.326913e-006
a3 = 1.781500e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	663532.1	0.9999	-0.0000
4.5000	567693.9	4.5000	0.0000
15.0000	362470.8	15.0000	0.0000
18.5000	314048.3	18.4999	-0.0001
24.0000	252164.4	24.0000	0.0000
29.0000	207801.6	29.0001	0.0001
32.5000	182076.1	32.5000	-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

