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SENSOR SERIAL NUMBER: 2327
CALIBRATION DATE: 05-May-21

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 4.486104e-005
a1 = 2.709803e-004
a2 = -2.087964e-006
a3 = 1.441073e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	659594.0	1.0000	0.0000
4.5000	563515.2	4.4999	-0.0001
15.0000	358322.5	15.0000	0.0000
18.4999	310046.6	18.4999	0.0000
24.0000	248452.6	24.0000	-0.0000
28.9999	204381.0	28.9998	-0.0001
32.5001	178857.8	32.5002	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

