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SENSOR SERIAL NUMBER: 2329
CALIBRATION DATE: 07-Apr-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -5.118251e-004
a1 = 4.117572e-004
a2 = -1.475114e-005
a3 = 5.260804e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	716885.3	0.9999	-0.0000
4.4999	614978.2	4.5000	0.0001
15.0000	394871.4	14.9999	-0.0001
18.5000	342528.0	18.5000	0.0000
24.0000	275401.6	24.0001	0.0001
29.0000	227118.0	28.9999	-0.0001
32.5000	199053.8	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

