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SENSOR SERIAL NUMBER: 1866
CALIBRATION DATE: 14-Jul-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -5.416868e-005
a1 = 2.857626e-004
a2 = -3.064054e-006
a3 = 1.774881e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	650621.3	0.9999	-0.0001
4.5000	557734.7	4.5002	0.0002
15.0000	358083.6	14.9998	-0.0002
18.5000	310778.3	18.5000	-0.0000
24.0000	250185.8	24.0002	0.0002
29.0000	206636.2	29.0000	-0.0000
32.5000	181328.2	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

