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SENSOR SERIAL NUMBER: 3722
CALIBRATION DATE: 12-Nov-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.129918e-005
a1 = 2.765477e-004
a2 = -2.369259e-006
a3 = 1.581132e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	656001.8	0.9999	-0.0001
4.5001	562069.0	4.5002	0.0001
15.0000	360367.0	14.9999	-0.0001
18.5000	312626.0	18.4999	-0.0001
24.0000	251506.1	24.0002	0.0002
29.0000	207606.2	29.0000	-0.0000
32.4998	182107.8	32.4998	-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

