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SENSOR SERIAL NUMBER: 3769
CALIBRATION DATE: 16-Apr-23

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 7.162905e-006
a1 = 2.749930e-004
a2 = -2.146070e-006
a3 = 1.536385e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	599658.2	0.9999	-0.0001
4.5000	514138.0	4.5002	0.0002
15.0000	330281.6	14.9999	-0.0001
18.5000	286707.4	18.4999	-0.0001
24.0000	230880.4	24.0000	0.0000
29.0000	190741.5	29.0003	0.0003
32.5000	167414.9	32.4998	-0.0002

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

