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SENSOR SERIAL NUMBER: 4254
CALIBRATION DATE: 22-Nov-20

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -4.577037e-005
a1 = 2.813850e-004
a2 = -2.669511e-006
a3 = 1.638407e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	677880.3	0.9999	-0.0001
4.5000	580860.5	4.5001	0.0001
15.0000	372512.5	15.0000	0.0000
18.5000	323198.6	18.4998	-0.0002
24.0000	260058.0	24.0001	0.0001
29.0000	214702.8	29.0001	0.0001
32.5000	188357.8	32.4999	-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

