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SENSOR SERIAL NUMBER: 0454
 CALIBRATION DATE: 24-Feb-22

SBE 45 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.470514e-005
 a1 = 2.841283e-004
 a2 = -3.232054e-006
 a3 = 1.717457e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	712296.5	0.9999	-0.0001
4.4999	607848.7	4.5002	0.0003
15.0000	385262.2	15.0000	-0.0000
18.5000	333010.9	18.4997	-0.0003
24.0000	266426.8	24.0001	0.0001
29.0000	218856.9	29.0004	0.0004
32.5000	191352.1	32.4997	-0.0003

n = Instrument Output (counts)

$$\text{Temperature ITS-90 (°C)} = 1 / \{ a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)] \} - 273.15$$

Residual (°C) = instrument temperature - bath temperature

