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SENSOR SERIAL NUMBER: 0269
 CALIBRATION DATE: 08-Feb-24

SBE 45 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.739130e-005
 a1 = 2.849899e-004
 a2 = -3.330880e-006
 a3 = 1.727239e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	754398.1	1.0000	-0.0000
4.5000	643485.8	4.5000	0.0000
15.0000	407307.5	15.0000	0.0000
18.5000	351916.5	18.4999	-0.0001
23.9999	281376.7	23.9999	0.0000
29.0000	231010.8	29.0000	0.0000
32.5001	201896.9	32.5001	-0.0000

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

