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SENSOR SERIAL NUMBER: 0286
 CALIBRATION DATE: 14-Feb-23

SBE 45 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.334452e-004
 a1 = 2.575941e-004
 a2 = -1.112532e-006
 a3 = 1.183645e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	610728.4	1.0000	0.0000
4.5000	521298.8	4.4999	-0.0001
15.0000	330629.0	15.0000	0.0000
18.5000	285849.0	18.5001	0.0001
24.0000	228778.7	23.9998	-0.0002
29.0001	187983.8	29.0002	0.0001
32.5000	164386.0	32.5000	-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

