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SENSOR SERIAL NUMBER: 0417
CALIBRATION DATE: 11-Sep-24

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 2.748223e-005
a1 = 2.710231e-004
a2 = -2.111632e-006
a3 = 1.467477e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	693460.0	0.9999	0.0000
4.5000	592826.3	4.4999	-0.0001
15.0000	377631.2	15.0001	0.0001
18.5000	326932.4	18.5000	-0.0000
24.0000	262197.3	24.0001	0.0001
29.0001	215837.6	29.0000	-0.0001
32.5000	188973.3	32.5001	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

