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SENSOR SERIAL NUMBER: 3424
CALIBRATION DATE: 21-Nov-20

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.986107e-004
a1 = 2.972938e-004
a2 = -3.589635e-006
a3 = 1.809974e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	838162.8	1.0002	0.0002
4.5000	718998.3	4.4997	-0.0003
15.0000	462600.5	15.0001	0.0001
18.5000	401796.5	18.5002	0.0002
24.0000	323871.0	23.9998	-0.0002
29.0000	267810.6	28.9998	-0.0002
32.5000	235206.1	32.5002	0.0002

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

