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SENSOR SERIAL NUMBER: 2025
CALIBRATION DATE: 23-May-21

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999912e-001
rtca1 = 1.686235e-006
rtca2 = -3.276656e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999930	0.9999929	-0.1
4.5000	0.9999980	0.9999981	0.1
15.0000	1.0000090	1.0000091	0.1
18.5000	1.0000110	1.0000112	0.2
24.0000	1.0000130	1.0000128	-0.2
29.0000	1.0000130	1.0000125	-0.5
32.5000	1.0000110	1.0000114	0.4

t = temperature (°C)

RTC frequency = $rtca0 + rtca1 * t + rtca2 * t^2$

Residual (PPM) = (Computed RTC frequency - Measured RTC frequency) * 1e6

