



Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 0475
CALIBRATION DATE: 01-Dec-23

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999734e-001
rtca1 = 1.746830e-006
rtca2 = -2.861140e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999750	0.9999752	0.2
4.5000	0.9999810	0.9999807	-0.3
15.0000	0.9999930	0.9999932	0.2
18.5000	0.9999960	0.9999960	-0.0
24.0000	0.9999990	0.9999989	-0.1
29.0000	1.0000000	1.0000000	0.0
32.5000	1.0000000	1.0000000	-0.0

t = temperature (°C)

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

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

