



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

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

SENSOR SERIAL NUMBER: 0819
CALIBRATION DATE: 19-Nov-23

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999790e-001
rtca1 = 1.772465e-006
rtca2 = -2.891409e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999810	0.9999807	-0.3
4.4999	0.9999860	0.9999864	0.4
14.9999	0.9999990	0.9999991	0.1
18.5000	1.0000020	1.0000019	-0.1
24.0000	1.0000050	1.0000049	-0.1
29.0000	1.0000060	1.0000061	0.1
32.5000	1.0000060	1.0000060	0.0

t = temperature (°C)

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

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

