



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

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

SENSOR SERIAL NUMBER: 3762
CALIBRATION DATE: 12-Apr-23

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999802e-001
rtca1 = 1.690205e-006
rtca2 = -3.328943e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999820	0.9999819	-0.1
4.4999	0.9999870	0.9999871	0.1
15.0000	0.9999980	0.9999981	0.1
18.4999	1.0000000	1.0000001	0.1
24.0000	1.0000020	1.0000016	-0.4
29.0000	1.0000010	1.0000012	0.2
32.5001	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

