



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

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

SENSOR SERIAL NUMBER: 1851
CALIBRATION DATE: 08-Jun-23

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999852e-001
rtca1 = 1.682969e-006
rtca2 = -3.096130e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999870	0.9999868	-0.2
4.5000	0.9999920	0.9999921	0.1
15.0000	1.0000030	1.0000035	0.5
18.5000	1.0000060	1.0000057	-0.3
24.0000	1.0000080	1.0000077	-0.3
29.0000	1.0000080	1.0000079	-0.1
32.5000	1.0000070	1.0000072	0.2

t = temperature (°C)

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

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

