



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

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

SENSOR SERIAL NUMBER: 3936
CALIBRATION DATE: 17-Sep-24

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999937e-001
rtca1 = 1.507044e-006
rtca2 = -3.178307e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999950	0.9999951	0.1
4.5000	1.0000000	0.9999998	-0.2
14.9999	1.0000090	1.0000091	0.1
18.4999	1.0000110	1.0000107	-0.3
24.0000	1.0000110	1.0000115	0.5
29.0000	1.0000110	1.0000106	-0.4
32.5001	1.0000090	1.0000091	0.1

t = temperature (°C)

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

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

