



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

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

SENSOR SERIAL NUMBER: 2329
CALIBRATION DATE: 07-Apr-23

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000003e+000
rtca1 = 1.502300e-006
rtca2 = -2.461521e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
0.9999	1.0000050	1.0000047	-0.3
4.4999	1.0000090	1.0000095	0.5
15.0000	1.0000200	1.0000202	0.2
18.5000	1.0000230	1.0000226	-0.4
24.0000	1.0000250	1.0000251	0.1
29.0000	1.0000260	1.0000261	0.1
32.5000	1.0000260	1.0000260	0.0

t = temperature (°C)

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

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

