



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

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

SENSOR SERIAL NUMBER: 4254
CALIBRATION DATE: 28-Aug-24

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999824e-001
rtca1 = 1.596636e-006
rtca2 = -3.227468e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999840	0.9999840	-0.0
4.5000	0.9999890	0.9999890	-0.0
15.0000	0.9999990	0.9999991	0.1
18.4999	1.0000010	1.0000009	-0.1
24.0000	1.0000020	1.0000022	0.2
29.0000	1.0000020	1.0000016	-0.4
32.5002	1.0000000	1.0000002	0.2

t = temperature (°C)

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

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

