



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

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

SENSOR SERIAL NUMBER: 2355
CALIBRATION DATE: 06-May-21

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999751e-001
rtca1 = 1.726197e-006
rtca2 = -3.122247e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
0.9998	0.9999770	0.9999768	-0.2
4.4999	0.9999820	0.9999822	0.2
14.9999	0.9999940	0.9999940	-0.0
18.5000	0.9999960	0.9999963	0.3
23.9999	0.9999990	0.9999985	-0.5
28.9999	0.9999990	0.9999989	-0.1
32.5000	0.9999980	0.9999982	0.2

t = temperature (°C)

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

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

