



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

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

SENSOR SERIAL NUMBER: 2336
CALIBRATION DATE: 21-May-21

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000005e+000
rtca1 = 1.600715e-006
rtca2 = -3.533683e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	1.0000070	1.0000070	-0.0
4.5000	1.0000120	1.0000119	-0.1
15.0000	1.0000210	1.0000215	0.5
18.5000	1.0000230	1.0000229	-0.1
24.0000	1.0000240	1.0000235	-0.5
29.0000	1.0000220	1.0000221	0.1
32.5000	1.0000200	1.0000201	0.1

t = temperature (°C)

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

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

