



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

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

SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 11-Oct-19

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999962e-001
rtca1 = 1.682969e-006
rtca2 = -3.096130e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999980	0.9999978	-0.2
4.5000	1.0000030	1.0000031	0.1
15.0000	1.0000140	1.0000145	0.5
18.5000	1.0000170	1.0000167	-0.3
24.0000	1.0000190	1.0000187	-0.3
29.0000	1.0000190	1.0000189	-0.1
32.5000	1.0000180	1.0000182	0.2

t = temperature (°C)

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

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

