



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

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

SENSOR SERIAL NUMBER: 3936
CALIBRATION DATE: 28-Sep-18

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999926e-001
rtca1 = 1.554266e-006
rtca2 = -3.256758e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999940	0.9999941	0.1
4.5000	0.9999990	0.9999989	-0.1
15.0000	1.0000090	1.0000086	-0.4
18.5000	1.0000100	1.0000102	0.2
24.0000	1.0000110	1.0000111	0.1
29.0000	1.0000100	1.0000103	0.3
32.5000	1.0000090	1.0000087	-0.3

t = temperature (°C)

RTC frequency = rtca0 + rtca1 * t + rtca2 * t²

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

