



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

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

SENSOR SERIAL NUMBER: 3777
CALIBRATION DATE: 09-Sep-21

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999719e-001
rtca1 = 1.835566e-006
rtca2 = -3.251217e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999740	0.9999737	-0.3
4.4999	0.9999790	0.9999795	0.5
15.0000	0.9999920	0.9999921	0.1
18.5000	0.9999950	0.9999947	-0.3
24.0000	0.9999970	0.9999972	0.2
29.0001	0.9999980	0.9999977	-0.3
32.5000	0.9999970	0.9999972	0.2

t = temperature (°C)

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

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

