



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

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

SENSOR SERIAL NUMBER: 1856
CALIBRATION DATE: 27-Feb-18

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999852e-001
rtca1 = 1.686235e-006
rtca2 = -3.276656e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999870	0.9999869	-0.1
4.5000	0.9999920	0.9999921	0.1
15.0000	1.0000030	1.0000031	0.1
18.5000	1.0000050	1.0000052	0.2
24.0000	1.0000070	1.0000068	-0.2
29.0000	1.0000070	1.0000065	-0.5
32.5000	1.0000050	1.0000054	0.4

t = temperature (°C)

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

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

