



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

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

SENSOR SERIAL NUMBER: 4590
CALIBRATION DATE: 19-Dec-17

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999891e-001
rtca1 = 1.572763e-006
rtca2 = -3.308106e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999910	0.9999906	-0.4
4.5000	0.9999950	0.9999955	0.5
15.0000	1.0000050	1.0000052	0.2
18.5000	1.0000070	1.0000068	-0.2
24.0000	1.0000080	1.0000078	-0.2
29.0000	1.0000070	1.0000069	-0.1
32.5000	1.0000050	1.0000052	0.2

t = temperature (°C)

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

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

