

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1865  
CALIBRATION DATE: 28-Jan-17

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999781e-001  
rtca1 = 1.726225e-006  
rtca2 = -3.122307e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999800	0.9999798	-0.2
4.5000	0.9999850	0.9999852	0.2
14.9999	0.9999970	0.9999970	-0.0
18.5000	0.9999990	0.9999993	0.3
24.0000	1.0000020	1.0000015	-0.5
29.0000	1.0000020	1.0000019	-0.1
32.5000	1.0000010	1.0000012	0.2

t = temperature (°C)

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

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

