

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2023
CALIBRATION DATE: 20-Nov-15

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999804e-001

rtca1 = 1.817175e-006

rtca2 = -3.453784e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	0.9999820	0.9999821	0.1
4.5000	0.9999880	0.9999878	-0.2
15.0000	1.0000000	0.9999998	-0.2
18.5000	1.0000020	1.0000022	0.2
24.0000	1.0000040	1.0000041	0.1
29.0000	1.0000040	1.0000040	0.0
32.5000	1.0000030	1.0000029	-0.1

t = temperature (°C)

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

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

