

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2327

CALIBRATION DATE: 30-Sep-16

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000004e+000

rtca1 = 1.469568e-006

rtca2 = -2.848732e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
1.0000	1.0000060	1.0000058	-0.2
4.5000	1.0000100	1.0000104	0.4
15.0000	1.0000200	1.0000200	-0.0
18.5000	1.0000220	1.0000218	-0.2
24.0000	1.0000230	1.0000232	0.2
29.0000	1.0000230	1.0000230	-0.0
32.5000	1.0000220	1.0000220	-0.0

t = temperature (°C)

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

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

