

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1851

CALIBRATION DATE: 29-Sep-16

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999842e-001

rtca1 = 1.690097e-006

rtca2 = -3.075020e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
0.9999	0.9999860	0.9999859	-0.1
4.5000	0.9999910	0.9999912	0.2
15.0000	1.0000030	1.0000027	-0.3
18.4999	1.0000050	1.0000050	-0.0
23.9999	1.0000070	1.0000071	0.1
29.0000	1.0000070	1.0000074	0.4
32.5000	1.0000070	1.0000067	-0.3

t = temperature (°C)

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

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

