

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0566

CALIBRATION DATE: 05-Oct-16

SBE 39 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999795e-001

rtca1 = 1.601356e-006

rtca2 = -3.608525e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999770	0.9999770	-0.0
1.0000	0.9999810	0.9999810	0.0
4.5000	0.9999860	0.9999859	-0.1
8.0000	0.9999900	0.9999900	-0.0
11.5000	0.9999930	0.9999931	0.1
14.9999	0.9999950	0.9999954	0.4
18.5000	0.9999970	0.9999967	-0.3
22.0000	0.9999970	0.9999972	0.2
25.5000	0.9999970	0.9999968	-0.2
29.0000	0.9999960	0.9999955	-0.5
32.5000	0.9999930	0.9999934	0.4

t = temperature (°C)

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

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

