

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0563
CALIBRATION DATE: 05-Oct-16

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999816e-001
rtca1 = 1.565726e-006
rtca2 = -3.561029e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999790	0.9999791	0.1
1.0000	0.9999830	0.9999831	0.1
4.5000	0.9999880	0.9999879	-0.1
8.0000	0.9999920	0.9999918	-0.2
11.5000	0.9999950	0.9999948	-0.2
14.9999	0.9999970	0.9999970	0.0
18.5000	0.9999980	0.9999983	0.3
22.0000	0.9999990	0.9999988	-0.2
25.5000	0.9999980	0.9999983	0.3
29.0000	0.9999970	0.9999970	0.0
32.5000	0.9999950	0.9999948	-0.2

t = temperature (°C)

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

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

