

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0815
CALIBRATION DATE: 06-Oct-16

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999854e-001
rtca1 = 1.651555e-006
rtca2 = -3.608918e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999830	0.9999829	-0.1
1.0000	0.9999870	0.9999870	0.0
4.5000	0.9999920	0.9999921	0.1
8.0001	0.9999960	0.9999963	0.3
11.5000	1.0000000	0.9999996	-0.4
15.0000	1.0000020	1.0000021	0.1
18.5000	1.0000040	1.0000036	-0.4
22.0000	1.0000040	1.0000043	0.3
25.5000	1.0000040	1.0000041	0.1
29.0000	1.0000030	1.0000030	-0.0
32.5000	1.0000010	1.0000010	-0.0

t = temperature (°C)

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

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

