

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0807
CALIBRATION DATE: 25-Nov-15

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999815e-001
rtca1 = 1.599484e-006
rtca2 = -3.559265e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999790	0.9999790	0.0
1.0000	0.9999830	0.9999831	0.1
4.5000	0.9999880	0.9999880	-0.0
8.0000	0.9999920	0.9999920	0.0
11.5000	0.9999950	0.9999952	0.2
15.0000	0.9999980	0.9999975	-0.5
18.5000	0.9999990	0.9999989	-0.1
22.0000	0.9999990	0.9999995	0.5
25.5000	0.9999990	0.9999991	0.1
29.0000	0.9999980	0.9999979	-0.1
32.5000	0.9999960	0.9999959	-0.1

t = temperature (°C)

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

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

