

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0804
CALIBRATION DATE: 26-Nov-15

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999875e-001
rtca1 = 1.568336e-006
rtca2 = -3.457149e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999850	0.9999851	0.1
1.0000	0.9999890	0.9999890	0.0
4.5000	0.9999940	0.9999939	-0.1
8.0000	0.9999980	0.9999978	-0.2
11.5000	1.0000010	1.0000010	-0.0
15.0000	1.0000030	1.0000033	0.3
18.5000	1.0000050	1.0000047	-0.3
22.0000	1.0000050	1.0000053	0.3
25.5000	1.0000050	1.0000050	0.0
29.0000	1.0000040	1.0000039	-0.1
32.5000	1.0000020	1.0000020	-0.0

t = temperature (°C)

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

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

