

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0806  
CALIBRATION DATE: 12-Feb-14

SBE 39 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999895e-001

rtca1 = 1.598743e-006

rtca2 = -3.712395e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999870	0.9999870	0.0
1.0000	0.9999910	0.9999910	0.0
4.5000	0.9999960	0.9999959	-0.1
8.0000	1.0000000	0.9999999	-0.1
11.5000	1.0000030	1.0000030	-0.0
15.0000	1.0000050	1.0000051	0.1
18.5000	1.0000060	1.0000064	0.4
22.0000	1.0000070	1.0000067	-0.3
25.5000	1.0000060	1.0000061	0.1
29.0000	1.0000050	1.0000046	-0.4
32.5000	1.0000020	1.0000022	0.2

$$\text{RTC frequency} = \text{rtca0} + \text{rtca1} * t + \text{rtca2} * t^2$$

$$\text{Residual} = (\text{Computed RTC frequency} - \text{Measured RTC frequency}) * 1e6$$

Date, Delta F ppm

