

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0816  
CALIBRATION DATE: 03-Mar-15

SBE 39 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999824e-001

rtca1 = 1.529007e-006

rtca2 = -3.414320e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999800	0.9999800	0.0
0.9999	0.9999840	0.9999839	-0.1
4.4999	0.9999890	0.9999886	-0.4
8.0000	0.9999920	0.9999925	0.5
11.4999	0.9999950	0.9999955	0.5
15.0000	0.9999980	0.9999977	-0.3
18.4999	0.9999990	0.9999990	0.0
21.9999	1.0000000	0.9999995	-0.5
25.4999	0.9999990	0.9999992	0.2
28.9999	0.9999980	0.9999980	0.0
32.4999	0.9999960	0.9999960	0.0

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

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

