

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0816  
CALIBRATION DATE: 17-Jan-12

SBE 39 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999822e-001

rtca1 = 1.513414e-006

rtca2 = -3.397283e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5001	0.9999800	0.9999799	-0.1
0.9999	0.9999840	0.9999837	-0.3
4.4999	0.9999880	0.9999883	0.3
7.9999	0.9999920	0.9999922	0.2
11.4999	0.9999950	0.9999951	0.1
14.9999	0.9999970	0.9999973	0.3
18.4999	0.9999990	0.9999986	-0.4
21.9999	0.9999990	0.9999991	0.1
25.4999	0.9999990	0.9999987	-0.3
28.9999	0.9999980	0.9999975	-0.5
32.4999	0.9999950	0.9999955	0.5

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

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

Date, Delta F ppm

