

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0991  
CALIBRATION DATE: 03-Jul-12

SBE 39 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999825e-001

rtca1 = 1.598745e-006

rtca2 = -3.712403e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999800	0.9999800	0.0
1.0000	0.9999840	0.9999840	0.0
4.5000	0.9999890	0.9999889	-0.1
8.0002	0.9999930	0.9999929	-0.1
11.5001	0.9999960	0.9999960	-0.0
14.9998	0.9999980	0.9999981	0.1
18.5000	0.9999990	0.9999994	0.4
22.0000	1.0000000	0.9999997	-0.3
25.5000	0.9999990	0.9999991	0.1
28.9999	0.9999980	0.9999976	-0.4
32.4999	0.9999950	0.9999952	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

