

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0507  
CALIBRATION DATE: 13-Jan-12

SBE 39 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999765e-001

rtca1 = 1.598736e-006

rtca2 = -3.712395e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5001	0.9999740	0.9999740	0.0
0.9999	0.9999780	0.9999780	0.0
4.4999	0.9999830	0.9999829	-0.1
7.9999	0.9999870	0.9999869	-0.1
11.4999	0.9999900	0.9999900	-0.0
14.9999	0.9999920	0.9999921	0.1
18.4999	0.9999930	0.9999934	0.4
21.9999	0.9999940	0.9999937	-0.3
25.4999	0.9999930	0.9999931	0.1
28.9999	0.9999920	0.9999916	-0.4
32.4999	0.9999890	0.9999892	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

