

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0815  
CALIBRATION DATE: 17-Jan-12

SBE 39 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999855e-001

rtca1 = 1.571886e-006

rtca2 = -3.382289e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5001	0.9999830	0.9999830	0.0
0.9999	0.9999870	0.9999870	0.0
4.4999	0.9999920	0.9999919	-0.1
7.9999	0.9999960	0.9999959	-0.1
11.4999	0.9999990	0.9999991	0.1
14.9999	1.0000010	1.0000014	0.4
18.4999	1.0000030	1.0000030	-0.0
21.9999	1.0000040	1.0000037	-0.3
25.4999	1.0000040	1.0000036	-0.4
28.9999	1.0000020	1.0000026	0.6
32.4999	1.0000010	1.0000008	-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

