

# SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3767  
CALIBRATION DATE: 12-Jan-11

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999801e-001

rtca1 = 1.739720e-006

rtca2 = -3.278590e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999820	0.9999818	-0.2
4.5000	0.9999870	0.9999873	0.3
15.0000	0.9999990	0.9999988	-0.2
18.4999	1.0000010	1.0000011	0.1
23.9999	1.0000030	1.0000030	-0.0
28.9999	1.0000030	1.0000030	-0.0
32.5000	1.0000020	1.0000020	0.0

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

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

Date, Delta F ppm

