

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3762  
CALIBRATION DATE: 17-Dec-11

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999804e-001

rtca1 = 1.643866e-006

rtca2 = -3.305945e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999820	0.9999820	-0.0
4.5000	0.9999870	0.9999871	0.1
15.0000	0.9999980	0.9999976	-0.4
18.5000	0.9999990	0.9999995	0.5
24.0000	1.0000010	1.0000008	-0.2
29.0000	1.0000000	1.0000002	0.2
32.4999	0.9999990	0.9999989	-0.1

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

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

Date, Delta F ppm

