

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3764  
CALIBRATION DATE: 18-Jan-12

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999831e-001

rtca1 = 1.575886e-006

rtca2 = -3.234634e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9997	0.9999850	0.9999847	-0.3
4.4999	0.9999890	0.9999896	0.6
15.0000	1.0000000	0.9999995	-0.5
18.5000	1.0000010	1.0000012	0.2
24.0000	1.0000020	1.0000023	0.3
29.0000	1.0000020	1.0000016	-0.4
32.5000	1.0000000	1.0000002	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

