

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2336  
CALIBRATION DATE: 13-Dec-11

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 1.000005e+000

rtca1 = 1.523253e-006

rtca2 = -3.358474e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000070	1.0000067	-0.3
4.4999	1.0000110	1.0000113	0.3
15.0000	1.0000200	1.0000205	0.5
18.5000	1.0000220	1.0000219	-0.1
24.0000	1.0000230	1.0000224	-0.6
29.0000	1.0000210	1.0000211	0.1
32.5000	1.0000190	1.0000192	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

