

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2321  
CALIBRATION DATE: 13-Dec-11

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999994e-001

rtca1 = 1.587113e-006

rtca2 = -3.123482e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000010	1.0000010	-0.0
4.4999	1.0000060	1.0000059	-0.1
15.0000	1.0000160	1.0000162	0.2
18.5000	1.0000180	1.0000181	0.1
24.0000	1.0000200	1.0000195	-0.5
29.0000	1.0000190	1.0000192	0.2
32.5000	1.0000180	1.0000180	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

