

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2025  
CALIBRATION DATE: 04-Mar-15

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999912e-001

rtca1 = 1.690208e-006

rtca2 = -3.328949e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999930	0.9999929	-0.1
4.5000	0.9999980	0.9999981	0.1
15.0000	1.0000090	1.0000091	0.1
18.5000	1.0000110	1.0000111	0.1
24.0000	1.0000130	1.0000126	-0.4
29.0000	1.0000120	1.0000122	0.2
32.5000	1.0000110	1.0000110	-0.0

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

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

