

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2025  
CALIBRATION DATE: 08-Dec-11

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999902e-001

rtca1 = 1.696465e-006

rtca2 = -3.252422e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
1.0000	0.9999920	0.9999919	-0.1
4.4999	0.9999970	0.9999972	0.2
15.0000	1.0000080	1.0000083	0.3
18.4999	1.0000110	1.0000104	-0.6
24.0000	1.0000120	1.0000122	0.2
28.9999	1.0000120	1.0000120	0.0
32.5000	1.0000110	1.0000110	-0.0

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

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

Date, Delta F ppm

