

# SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2025  
CALIBRATION DATE: 05-Jan-11

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999903e-001

rtca1 = 1.636628e-006

rtca2 = -3.073135e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999920	0.9999919	-0.1
4.4999	0.9999970	0.9999971	0.1
14.9999	1.0000080	1.0000080	-0.0
18.4999	1.0000100	1.0000101	0.1
23.9999	1.0000120	1.0000119	-0.1
29.0000	1.0000120	1.0000120	-0.0
32.5000	1.0000110	1.0000111	0.1

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

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

Date, Delta F ppm

