

# SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2026  
CALIBRATION DATE: 19-Jan-11

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999772e-001

rtca1 = 1.682868e-006

rtca2 = -2.842225e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999790	0.9999789	-0.1
4.5000	0.9999840	0.9999842	0.2
15.0000	0.9999960	0.9999961	0.1
18.5000	0.9999990	0.9999986	-0.4
23.9999	1.0000010	1.0000012	0.2
29.0000	1.0000020	1.0000021	0.1
32.4999	1.0000020	1.0000019	-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

