



CLIMATE SUMMARY FOR GITEGA – WINTER 2024.

1. DAILY TIME SERIES

1.1. Maximum, Average and minimum daily temperature

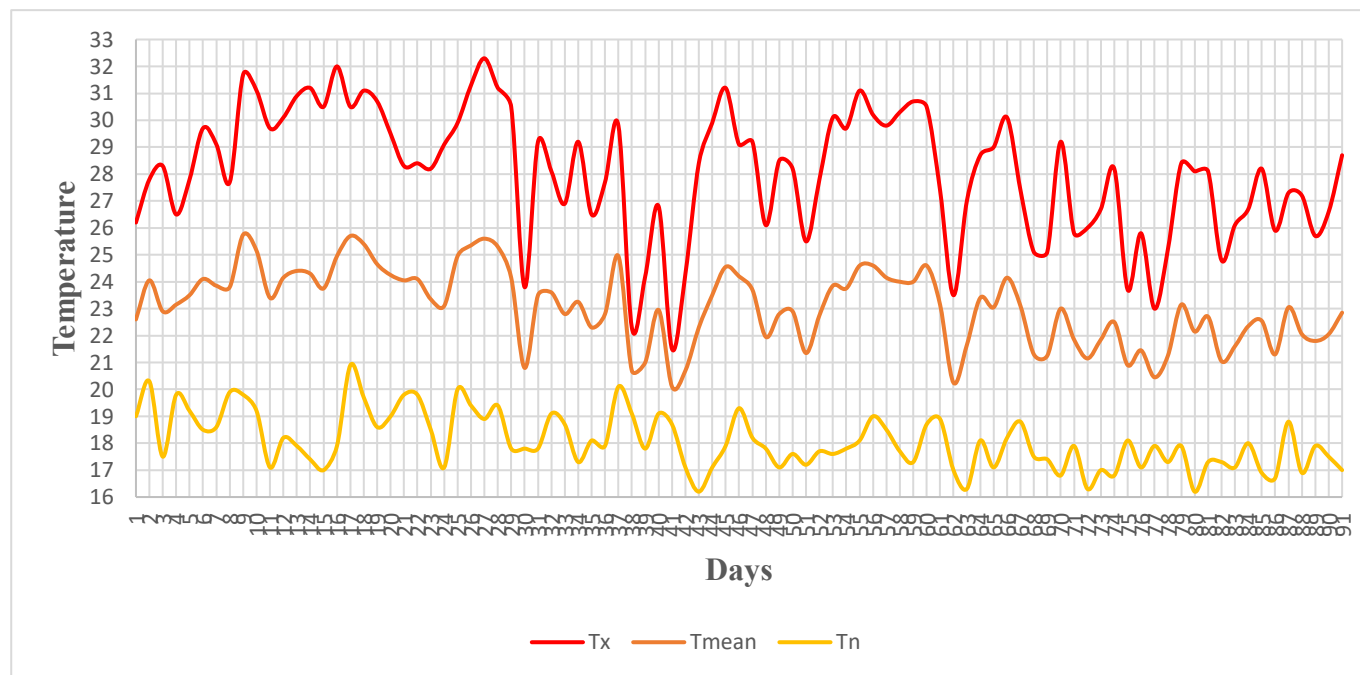


Figure 1: Tmax, Tmean and Tmin.

During the winter of 2024, Gitega station experienced varied weather patterns, with temperatures fluctuating between warm and cool days. The mean daily temperature was recorded at 23.10°C. September had the highest mean temperatures compared to other months, while November recorded the lowest.



1.2.Daily Precipitation

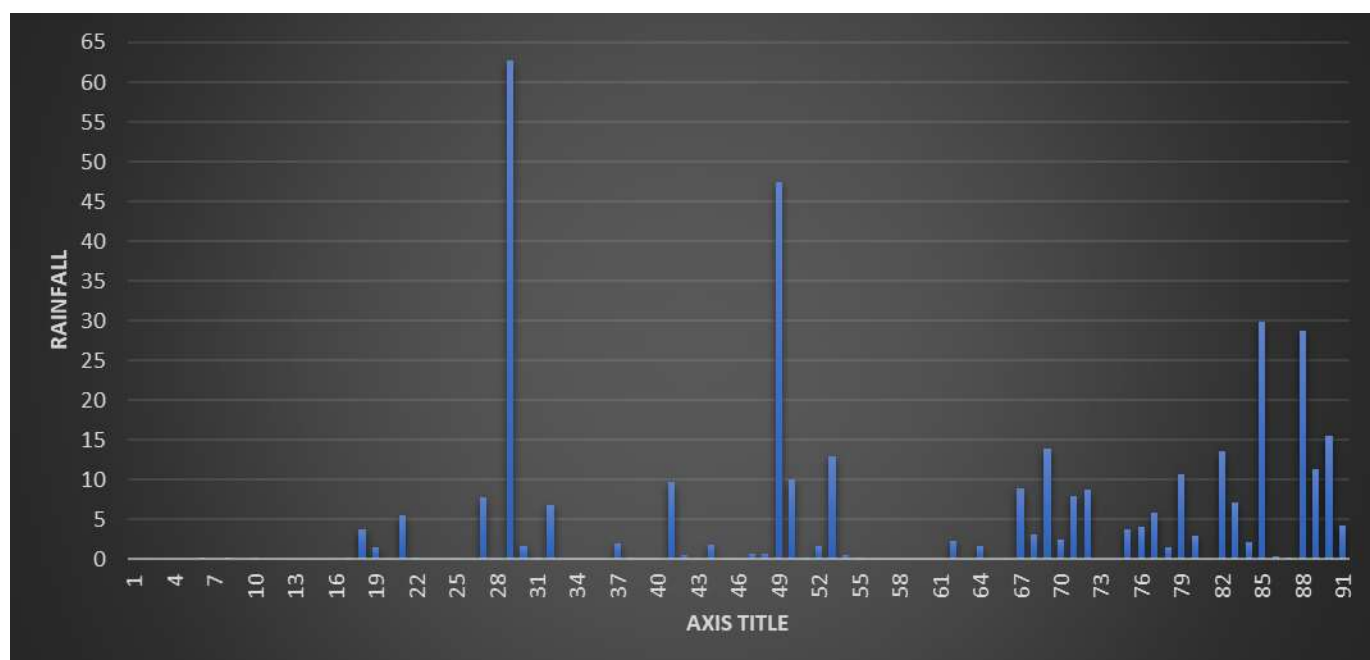


Figure 2: Rainfall

A total of 317.7 mm of rainfall was recorded during the winter of 2024. November experienced the highest overall rainfall, while intense downpours were observed in September and October.



Average Relative humidity

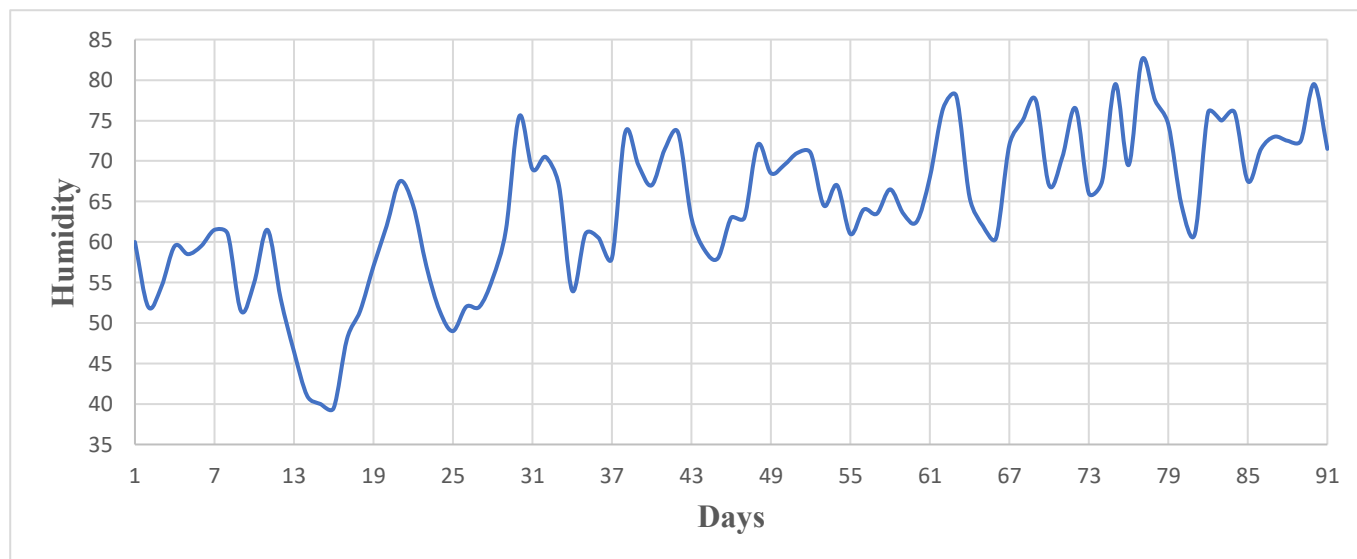


Figure 3: Average Relative humidity

During the winter season, Gitega station recorded moderate relative humidity levels, averaging 47%. September had the lowest humidity levels, while November experienced the highest.

2. CLIMATE EXTREMES

Warmest day	27/09/2024	32.3⁰C
Coldest night	13/10 & 19/11/2024	16.2⁰C
Wettest day	29/10/2024	62.7mm
Sunniest day	13/10/2024	9.6 hours

Table 1: Climate Extremes



CLIMATE STATISTICS

2.1. Temperature

Parameters	Actual Temperature(°C)	Anomaly(°C) (1991-2020)	Rank		Series length (1983-2024)
			warmest	coldest	
Mean Maximum Temperature	28.1	+0.6	7	36	42
Mean Temperature	23.1	+1.3	1	42	42
Mean Minimum Temperature	18.1	+1.9	1	42	42

Table 2: Long-term temperature statistics.

2.2. Rainfall

Actual Rainfall	Average (%) (1991-2020)	Rank		Series length (1991-2024:2022 is excluded due to missing value)
		Wettest	driest	
371.7 mm	- 4.6%	17	17	33

Table 3: Long-term rainfall statistics.