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Monthly climate summary for January 2026

1. Introduction

This monthly climate summary presents the main weather and climate conditions observed during January 2026 at the Gikongoro Meteorological station. The report highlights temperature, rainfall, relative humidity, wind characteristics, and notable weather events, and compares the observed values with long-term climatological averages (1991–2020).

2. Temperature

2.1 Monthly mean temperature

- Ordinary monthly mean temperature for January 2026: **19.9°C**
- Mean maximum temperature for January 2026: **26.2°C**
- Mean minimum temperature for January 2026: **15.5°C**
- Long-term mean maximum temperature (1991–2020): **26.3°C**
- Long-term mean minimum temperature (1991–2020): **14.3°C**

The mean maximum temperature of **26.2°C** in January 2026 was approximately equal to the long-term average of **26.3°C**, indicating near-normal thermal conditions.

2.2 Maximum and minimum temperatures

- The highest maximum temperature recorded was **29.3°C on 07 January**, which is lower than the long-term absolute maximum of **34.5°C (1991–2020)**.
- The lowest minimum temperature recorded in January 2026 was **13.6°C on 29 January**, which is higher than the long-term minimum temperature of **9.34°C recorded on 22 June 2020**.

2.3 Temperature Extremes and Notable Conditions

Maximum temperature compared to 26°C:

- **26°C or lower: 13 days**



- **Higher than 26°C: 18 days**

This indicates that most days experienced relatively warm daytime temperatures.

3. Rainfall

3.1 Monthly total rainfall

- Total monthly rainfall: **207 mm**
- Highest daily rainfall: **49.0 mm on 28 January**

3.2 Daily and Event-Based Precipitation

- The highest daily rainfall of **49.0 mm on 28 January** was lower than the long-term maximum daily rainfall of **88 mm recorded on 1 May 2012**.
- Number of rainy days (≥ 0.1 mm): **18 days**

Other significant rainfall events:

- 42.3 mm on 08 January
- 39.8 mm on 07 January
- 22.8 mm on 30 January
- 19.5 mm on 04 January

4. Relative Humidity

Maximum Relative Humidity(RH)

- Mean maximum RH: **approximately 88%**
- Highest maximum RH: **95% on 31 January**

Minimum Relative Humidity (RH)

- Mean minimum RH: **approximately 53%**
- Lowest minimum RH: **33% on 15 January**



5. Wind and Storm Activity

The maximum wind gust recorded was **4 m/s**, observed on six days between **06:00 and 18:00 local time**. No severe windstorm events were reported during the month.

6. Climate summary

January 2026 was a **wet month**, with approximately **207 mm of rainfall recorded over 18 rainy days**. Several heavy rainfall events occurred, with the highest daily rainfall of **49.0 mm on 28 January**. Mean maximum and minimum temperatures were **26.2°C and 15.5°C**, respectively, indicating **moderate and near-normal thermal conditions**. Relative humidity remained high throughout the month, with mean maximum values around **88%**, reflecting moist atmospheric conditions.

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