



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & NATURAL RESOURCES
KENYA METEOROLOGICAL DEPARTMENT

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WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 19TH TO 25TH DECEMBER, 2017

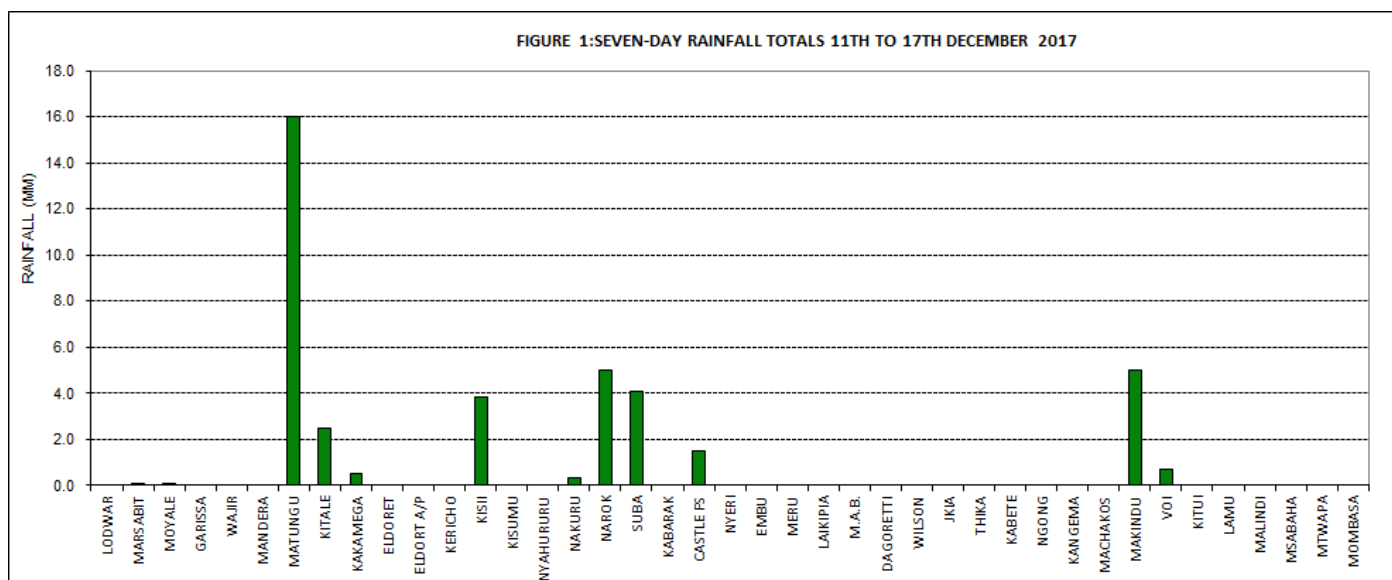
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<p>Review of weather for the last seven-day period (11th to 17th Dec, 2017):</p> <ul style="list-style-type: none"> • There was a reduction in rainfall throughout the country compared to the previous review period, Narok was the only station that recorded a slight increase in rainfall • Day-time (maximum) temperatures increased over most parts of the country and decreased mainly over the Coastal region as well as a few other scattered regions. • Night-time (minimum) temperatures decreased throughout the country, Wajir however recorded an increase. 	<p>Forecast for the next seven days (19th to 25th Dec, 2017):</p> <p>The forecast indicates that:</p> <ul style="list-style-type: none"> • Dry conditions are expected to engulf most parts of the country for much of the forecast period. • The Coast as well as regions within the eastern parts of the country are however likely to receive some rainfall on diverse days of the forecast period.
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1. Weather Review for the last seven days (11th to 17th December 2017)

1.1 Rainfall Review

There was a reduction in rainfall throughout the country compared to the previous review period, Narok was the only station that recorded a slight increase but with a paltry 7-day total rainfall of about 5mm. (See Figure 1).



Matungu Rainfall Station in Western Kenya recorded the highest seven-day total of 16.0mm. **Figure 2** shows the spatial distribution of the total 7-day rainfall, no stations received heavy rainfall during the review period.

A review of the season's performance up to 17th December is shown in **Figure 3** below. The patterns show that there has been no significant change in the performance compared to the previous 7-day period due to the decrease in rainfall. Some of the stations that have already achieved their LTMs include Lodwar (228.9%), Eldoret Kapsoya (179.7%), Mtwapa (140.4%), Dagoretti Corner (130.7%), among others. Three stations had not yet achieved 50% of their LTMs by 17th December, namely Lamu (42.2%), Voi (39.0%) and Garissa (23.5%)

FIG 2: RAINFALL TOTALS FOR 11TH TO 17TH DEC 2017

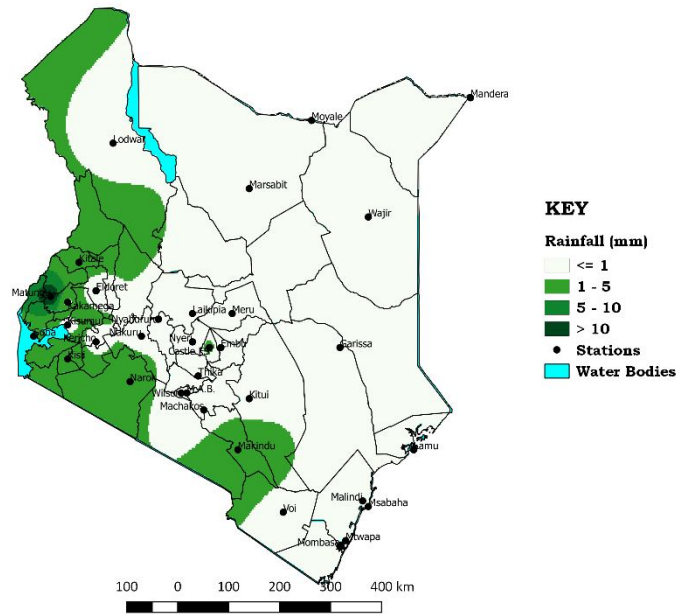
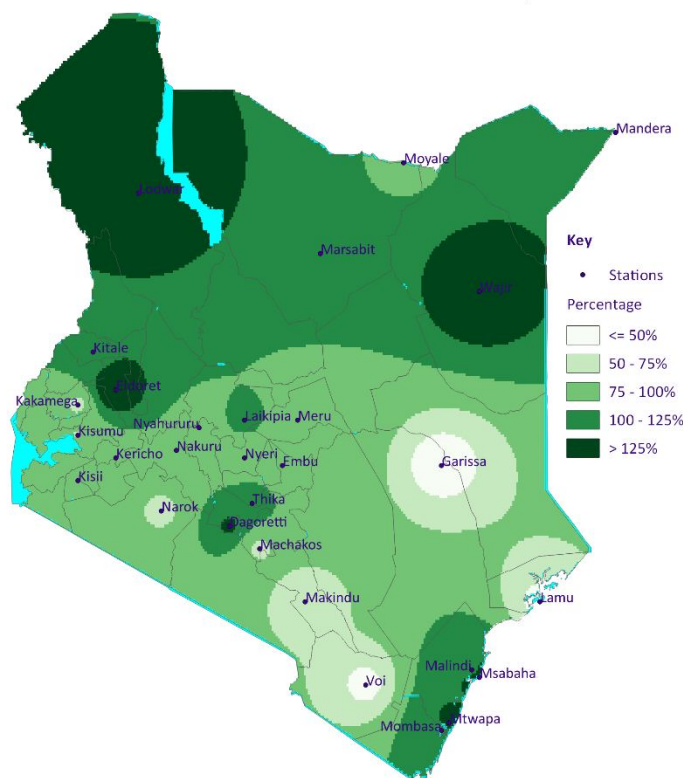


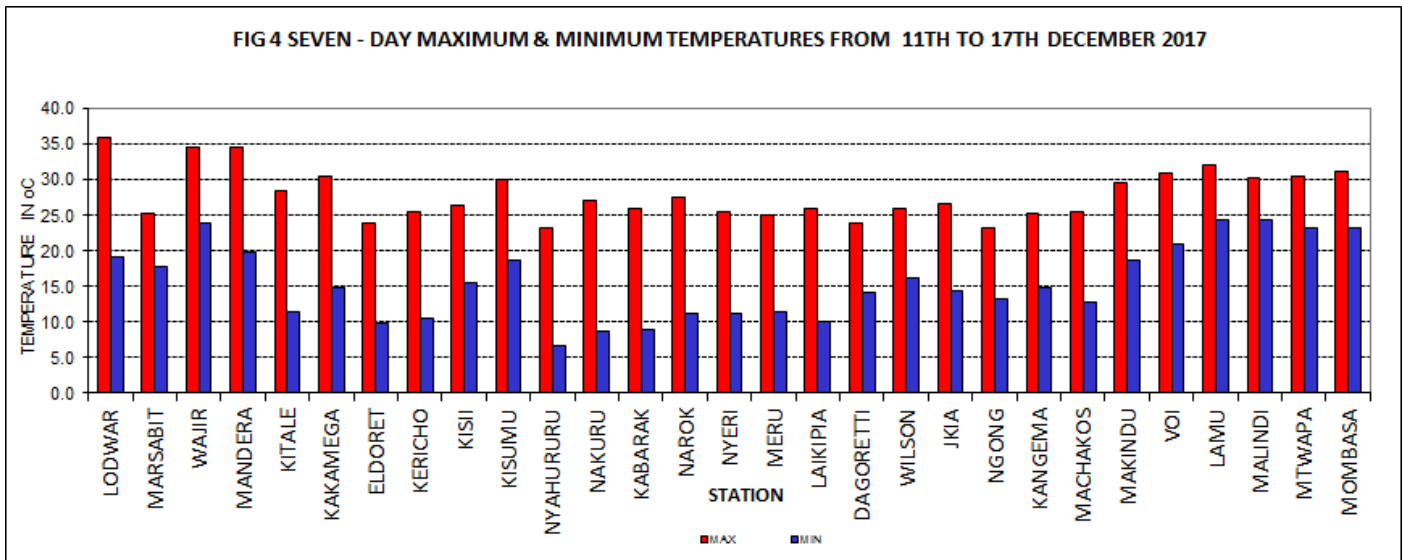
FIG 3: OND PERFORMANCE UPTO 17TH DECEMBER 2017



1.2 Temperature

During the review period, day-time (maximum) temperatures increased over most parts of the country and decreased mainly over the Coastal region as well as a few other scattered regions. Night-time (minimum) temperatures decreased throughout the country, Wajir however recorded an increase.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 36.6°C on both 15th and 16th December while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 4.4°C on 11th December. The same stations recorded the highest seven-day average maximum temperature of 35.9°C and the lowest seven-day average minimum temperature of 6.7°C respectively. (See **Figure 4** below)



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 19TH TO 25TH DECEMBER, 2017

The forecast indicates that:

- Dry conditions are expected to engulf most parts of the country for much of the forecast period.
- The Coast as well as regions within the eastern and southern parts of the country are, however, likely to receive some rainfall on diverse days of the forecast period.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 19TH TO 25TH DECEMBER, 2017

The Lake Victoria Basin, Highlands West of the Rift Valley, Central and South Rift Valley (counties of Siaya, Kisumu, Homabay, Migori, Kisii, Nyamira, Transzoia, Baringo, Uasin Gishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Narok, Kajiado, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia) are expected to experience sunny intervals in the morning for the entire forecast period. Afternoon showers and thunderstorms are expected over few places on Tuesday (in South Nyanza) and Sunday (South Rift – Kajiado). The rest of the afternoons are expected to be dry with sunny intervals;

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience sunny intervals the entire day throughout the forecast period;

Central Highlands including, Nairobi area (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are expected to experience sunny intervals the whole day on Wednesday, Thursday, Friday and Monday. Saturday morning is expected to experience an increase in morning cloudiness and light to moderate rainfall over few places. Afternoon showers may occur over few places on Tuesday and Sunday;

Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are expected to experience sunny intervals the entire day for much of the forecast period;

Southeastern Lowlands (counties of Kitui, Makueni, Machakos and Taita Taveta): Increase in cloudiness is likely to occur on Tuesday and Sunday mornings with rains occurring over few places. Afternoon showers may occur over few places on Sunday and early afternoon Tuesday. The rest of the days are expected to experience dry conditions.

The Coastal Strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale): Light morning showers are expected over several places from Wednesday to Sunday. Sunny intervals will be experienced in the afternoons. Tuesday is expected to receive morning and afternoon showers over few places while Monday will remain dry.

N.B: This forecast should be used in conjunction with the daily (24-hour) forecast issued by this Department.

KEY OF SCIENTIFIC WORDS USED

<i>Rainfall categories</i>	
<i>Range</i>	<i>Category</i>
<5 mm	Light
5 - 20mm	Moderate
20 - 50mm	Heavy
>50mm	Very heavy

<i>Rainfall coverage</i>	
<i>Term</i>	<i>Meaning</i>
Most Places	Between 66% and 100%
Several Places	Between 33% and 66%
Few Places	Between 0 and 33%

Patricia A.N

FOR THE DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT