



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT
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Our Ref: MET/MSA-CNTY/WK4 NOVEMBER2024





























Date of Issue: 25th NOVEMBER 2024

MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 26th NOV – 2ND DEC 2024

PART-I: Mombasa County Weekly Weather Outlook

1. Dry weather conditions will dominate the forecast week. Significant morning and afternoon showers are expected towards the weekend (Saturday and Sunday)
 2. The expected range of daytime MAXIMUM temperature is 32- 33 °C; the average MINIMUM temperature will be around 25 °C.
 3. Wind strength will vary between 3 - 4 m/s (6 – 8 Kt) throughout the forecast period.
 4. Slight Ocean conditions, favourable for marine activities will prevail throughout the forecast week. Wave heights of between 0.7 m to 1.0 m (2.1 to 3.3 ft).
 5. CAUTION IS HOWEVER ADVISED WHILE CONDUCTING MARINE ACTIVITIES IN DEEP SEAS
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PART-II: Detailed Weekly Weather Forecast for Mombasa County

		Probable weather						
		Notes: Light rains < 1-5 mm; Moderate rains 5-20 mm; Heavy rains > 20 mm						
		Tue 26/11/2024	Wed 27/11/2024	Thurs 28/11/2024	Fri 29/11/2024	Sat 30/11/2024	Sun 1/12/2024	Mon 2/12/2024
Rainfall	Morning	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Showers and Sunny	 Light showers and Sunny	 Cloudy and Sunny
	Afternoon	 Cloudy Sunny intervals	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny intervals	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny
	Night	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly cloudy	 Partly Cloudy	 Partly Cloudy
	Distribution	 Several places	 Several Places	 Several places	 A few places	 A few places	 Several places	 Several places
Temperature	Maximum	33 °C	33 °C	32 °C	32 °C	32 °C	33 °C	33 °C
	Minimum	26 °C	26 °C	25 °C	25 °C	25 °C	25 °C	25 °C
Humidity	Maximum	85 %	82 %	84 %	85 %	85 %	85 %	85 %
	Minimum	72 %	71 %	74 %	75 %	73 %	74 %	73 %
Wind Maximum	Speed & Direction	South East @ 3m/s	East @ 2 m/s	East @ 3 m/s	East @ 3 m/s	North East @ 3 m/s	East @ 4 m/s	East @ 3 m/s
Significant Ocean wave height		0.5– 0.8 m Slight	0.5 – 0.8 m Slight	0.4 – 0.8 m Slight	0.6 – 0.8 m Slight	0.6 – 1.0 m Slight	0.6 – 1.0 m Slight	0.7 – 1.0 m Slight

PART-III: WEATHER SYMBOLS

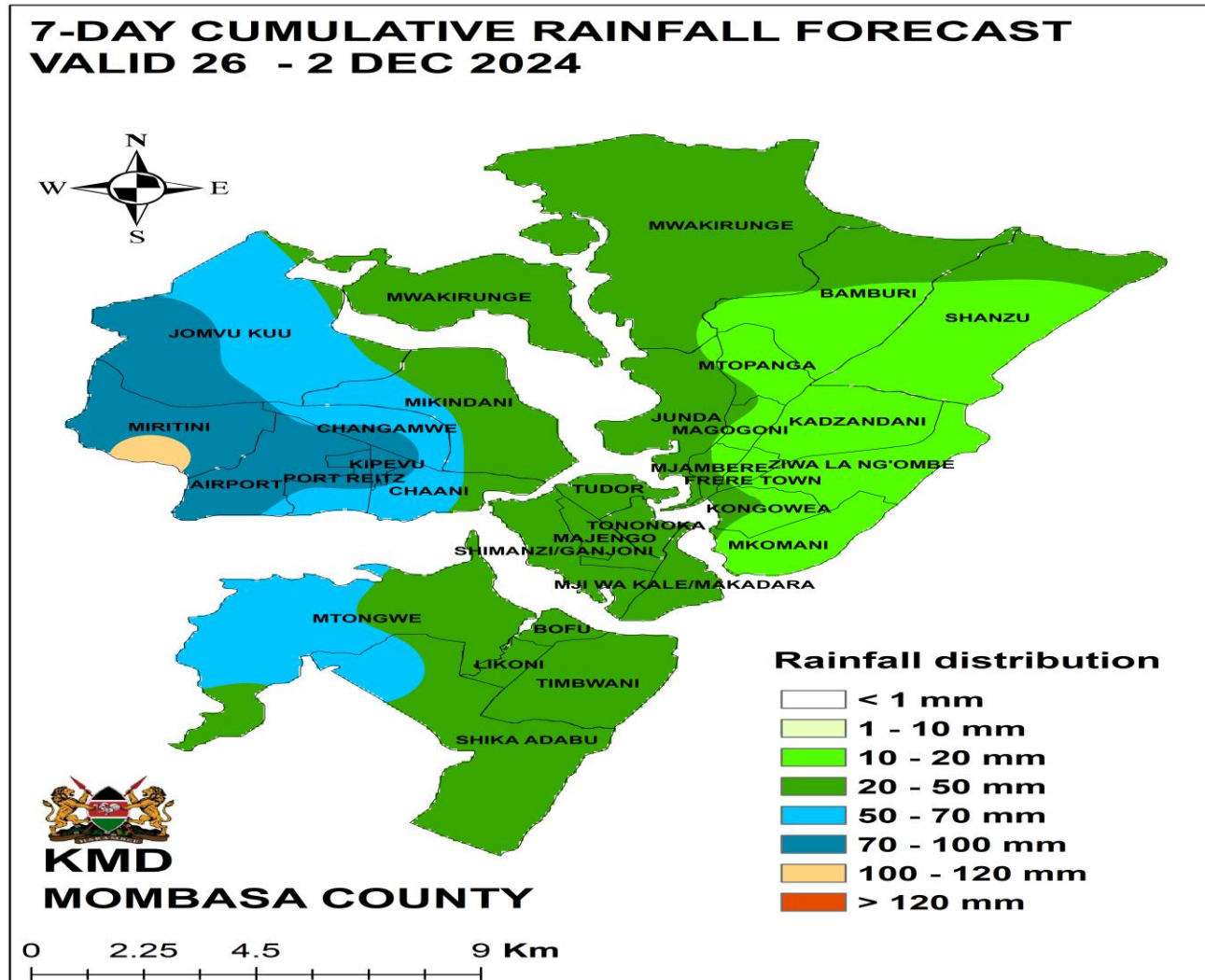
Key for Marine Hazard Symbols

WAVE HEIGHT RANGE (Metres)		DESCRIPTION	IMPACT
0.5 – 1.0		SLIGHT SEA STATE	Conditions suitable for Marine activities
1.1 – 2.0		MODERATE SEA STATE	
2.1 – 3.0		ROUGH	
>3.0		VERY ROUGH	Caution when operating marine activities Warning in place!!!! Warning in place on marine activities
Conditions suitable for Marine Activities			
Caution required when operating Marine Activities in deep seas (Significant high waves)			
Warning in Place (Sea significantly Rough)			
WIND	RANGE	DESCRIPTIONS	IMPACT
SPEEDS	< 1	-Calm:	1 – 6 knots, the Ocean is relatively calm with very little disturbance. Suitable for Marine operations
	1 – 3 Knots	-Light air: rising smoke drifts	
	4 – 6 Knots	-Light breeze: can feel wind on the face, small wavelets develop.	7 – 17 knots, small boats are likely to be filled with water sprays and become unstable. Caution in carrying our marine activities
	7 – 10 Knots	-Gentle breeze: Light weight flags extend, small wavelets, some whitecaps develop	
	11 – 16 Knots	-Moderate Breeze: Small waves develop and become longer	More than 20 knots, the ocean state is very much disturbed and the prevailing conditions is dangerous for marine operations. Warning in place!!!!
	17 – 21 Knots	-Fresh breeze: white crested wavelets form with some sprays	
	22 – 27 Knots	-Strong breeze: large waves form, white caps and sprays:	
	28 – 33 Knots	-Very strong winds: larger waves develop and white foams from breaking waves begin to be blown	
>34 Knots	Extremely strong. Larger waves with blown foams		
DIRECTIONS	N, E, S, W	The pointer indicates the direction from which the wind is blowing from	

Mr. Joseph Amollo

County Director of Meteorological Services, Mombasa County

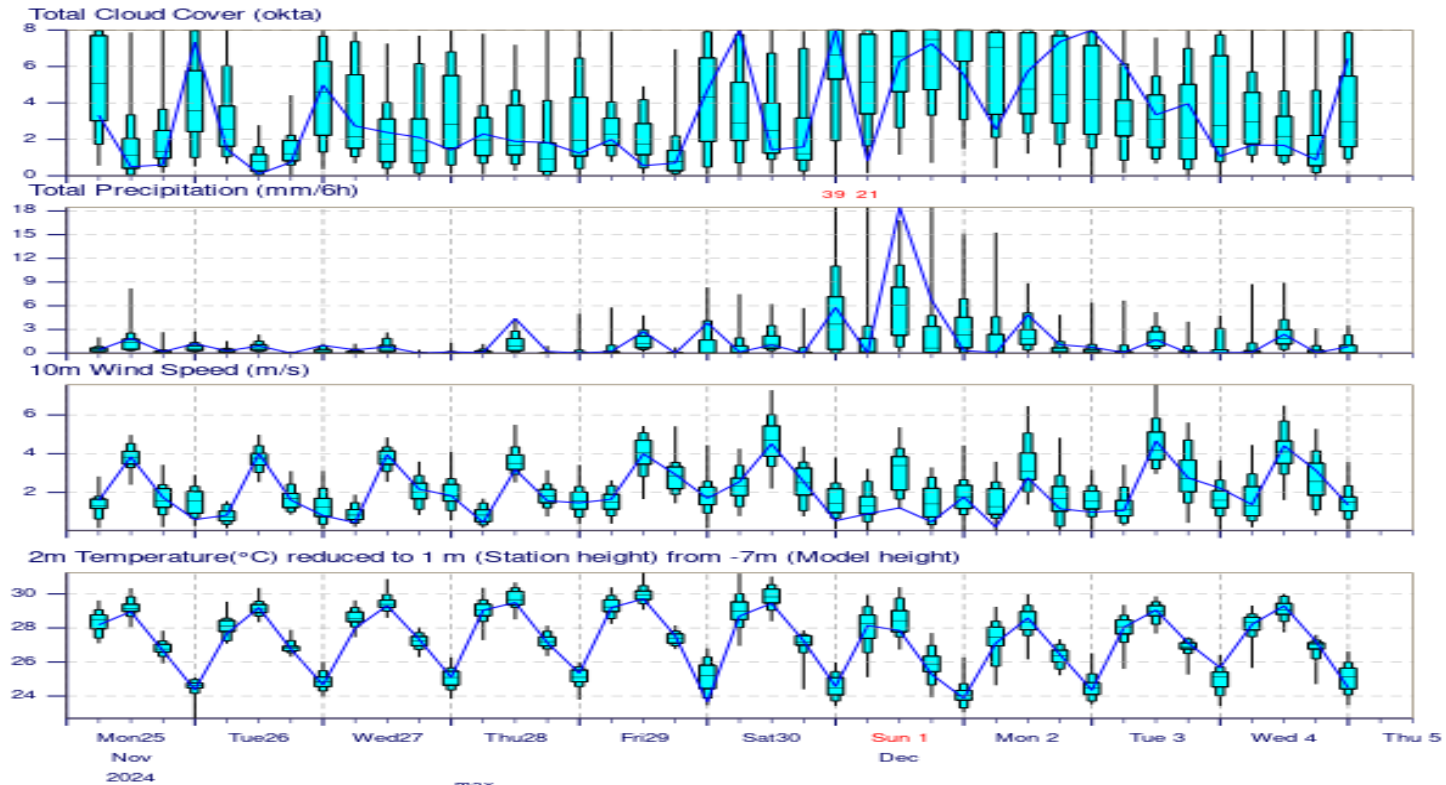
WEEKLY RAINFALL DISTRIBUTION FOR MOMBASA COUNTY 5TH - 11TH NOV. 2024



ADDITIONAL INFORMATION

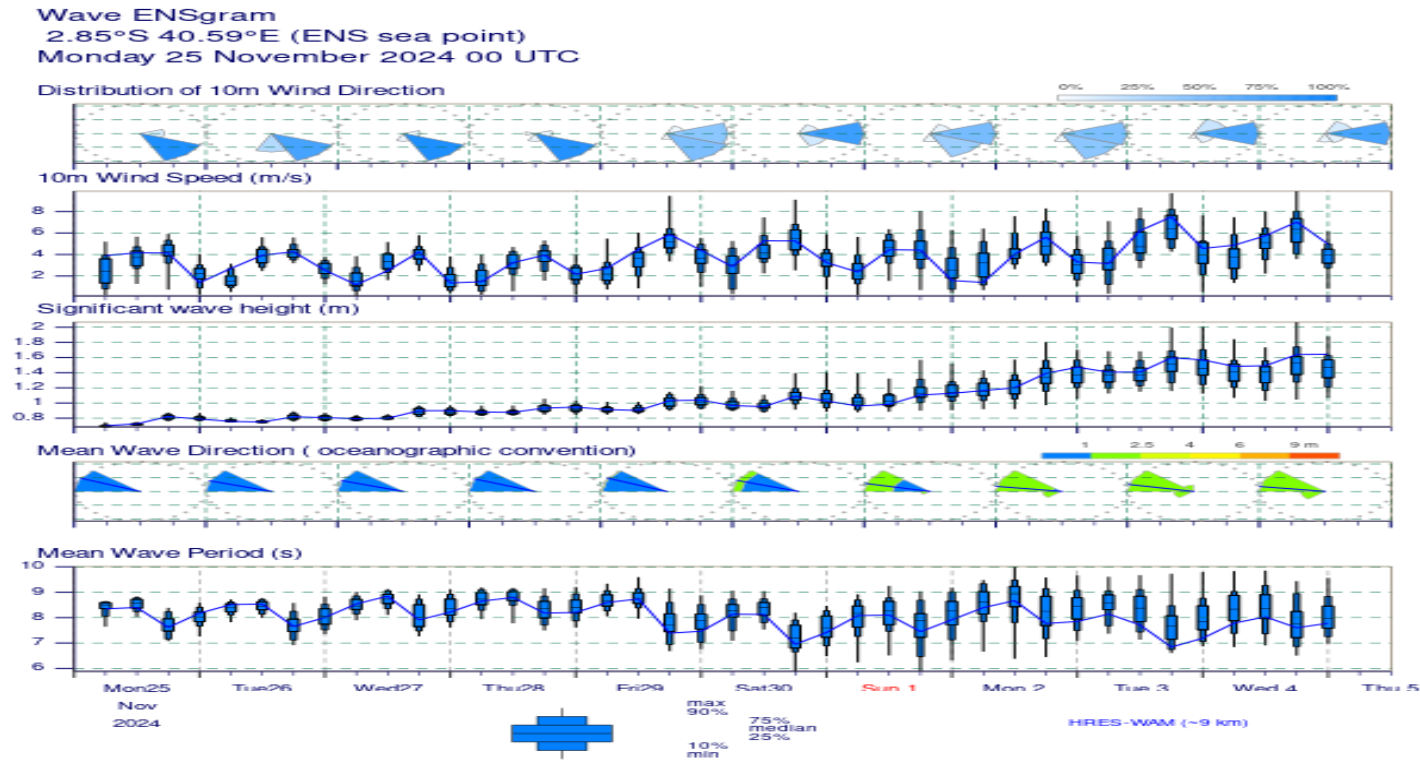
10 DAYS FORECASTS FOR WINDS, PRECIPITATIONS AND TEMPERATURE MOMBASA

ENS Meteogram
4.04°S 39.68°E (ENS land point) 1 m
Control Forecast and ENS Distribution Monday 25 November 2024 00 UTC



Model (~9 km)

TEN DAYS SIGNIFICANT WAVE HEIGHTS, WINDS, OVER SOUTH WEST INDIAN OCEAN



The distribution of wind directions is south to Easterly, throughout the 10 days forecast period, the wind speeds vary between 2 m/s and 6 m/s, the wave heights vary between 0.6 m and 1.0 m. The wave directions are southeasterly (SE) and the wave periods between 8 and 10 seconds