



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT
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Our Ref: MET/MSA-CNTY/WK2OCTOBER2024





























Date of Issue: 7TH OCTOBER 2024

MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 8th - 14th OCTOBER 2024

PART-I: Mombasa County Weekly Weather Outlook

- 1 Mixed conditions will be experienced throughout the forecast week with several places experiencing showers in the morning and afternoon, especially over the weekend (Friday and Saturday)
 - 2 The expected range of daytime MAXIMUM temperature is 30- 31 °C; the average MINIMUM temperature will be around 24 °C.
 - 3 Wind strength will vary between 4 - 8 m/s (8 – 16 Kt) throughout the forecast period.
 - 4 Moderate Ocean conditions will prevail throughout the forecast week with wave heights of between 1.2 m to 2.0 m (3.6 to 6.0 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 8/10/2024	Wed 9/10/2024	Thurs 10/10/2024	Fri 11/10/2024	Sat 12/10/2024	Sun 13/10/2024	Mon 14/10/2024
Rainfall	Morning	 Cloudy and Sunny	 Cloudy and Sunny	 Light showers and Sunny	 Light showers 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	 Light showers and Sunny	 Cloudy and Sunny	 Cloudy and Sunny
	Night	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly cloud	 Partly Cloudy	 Partly Cloudy
	Distribution	 Several places	 Several Places	 Few places	 Few places	 Several places	 Several places	 Several places
Temperature	Maximum	30 °C	32 °C	29 °C	30 °C	31 °C	31 °C	31 °C
	Minimum	25 °C	25 °C	24 °C	25 °C	25 °C	25 °C	25 °C
Humidity	Maximum	85 %	85 %	85 %	85 %	85 %	85 %	85 %
	Minimum	74 %	72 %	75 %	76 %	72 %	72 %	72 %
Wind Maximum	Speed & Direction	South East @ 4m/s	South East @ 5 m/s	South East @ 7 m/s	South East @ 8 m/s	South East @ 8 m/s	South East @ 05 m/s	South @ 05 m/s
Significant Ocean wave height		1.2– 1.5 m Slight	1.2 – 1.5 m Slight	1.4 – 1.8 m Moderate	1.4 – 1.8 m Moderate	1.6 – 2.0 m Moderate	1.5 – 1.8 m Moderate	1.4 – 1.8 m Moderate

PART-III: WEATHER SYMBOLS

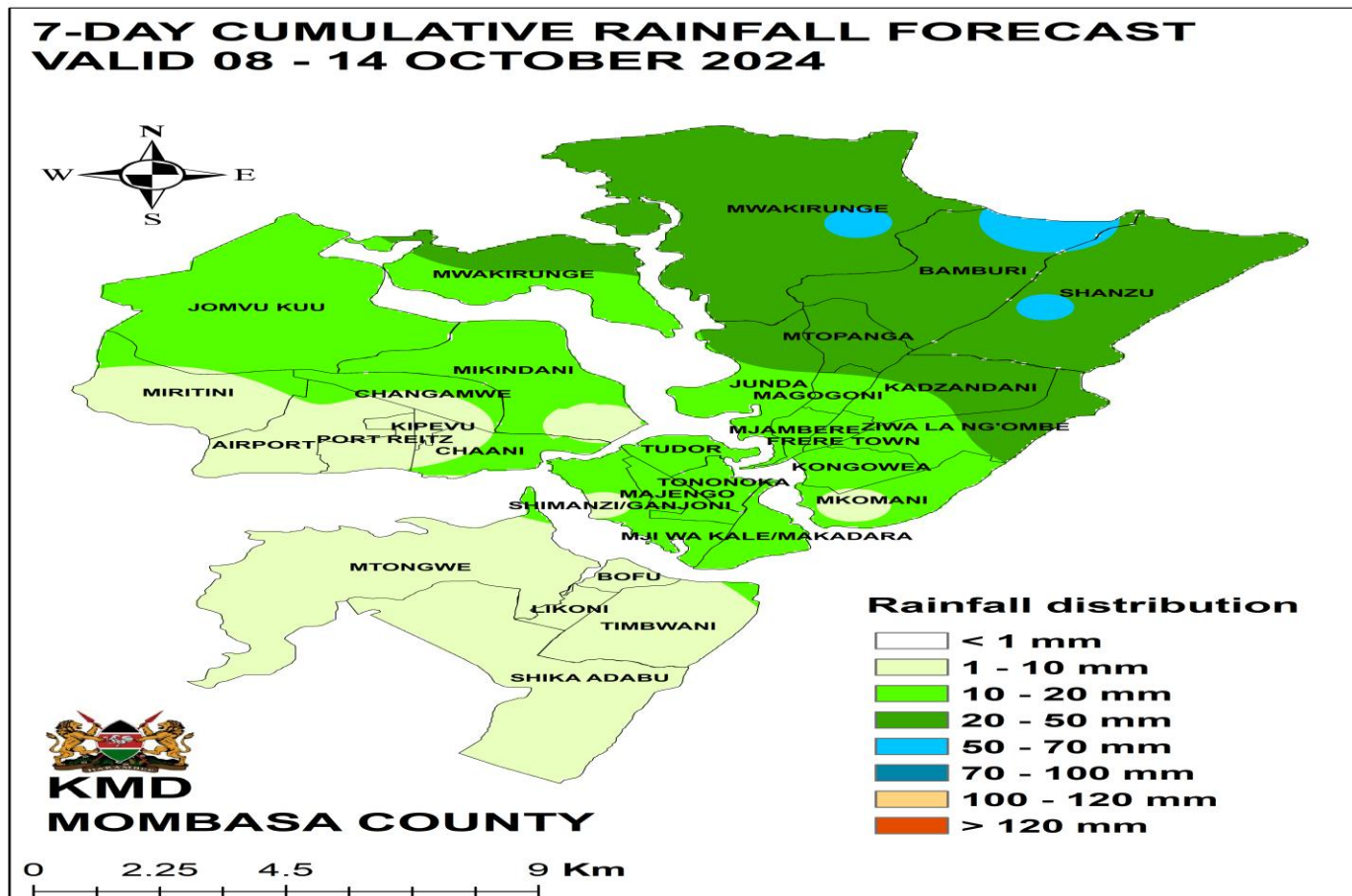
Key for Marine Hazard Symbols

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	
Conditions suitable for Marine Activities			
Caution required when operating Marine Activities in deep seas (Significant high waves)			
Warning in Place (Sea significantly Rough)			
WIND SPEEDS	RANGE	DESCRIPTIONS	IMPACT
	< 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 – 10 Knots	-Gentle breeze: Light weight flags extend, small wavelets, some whitecaps develop	
	11 – 16 Knots	-Moderate Breeze: Small waves develop and become longer	
	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	7 – 17 knots, small boats are likely to be filled with water sprays and become unstable. Caution in carrying our marine activities
			More than 20 knots, the ocean state is very much disturbed and the prevailing conditions is dangerous for marine operations. Warning in place!!!!
DIRECTIONS	N, E, S, W	The pointer indicates the direction from which the wind is blowing from	

Mr. Joseph Amollo

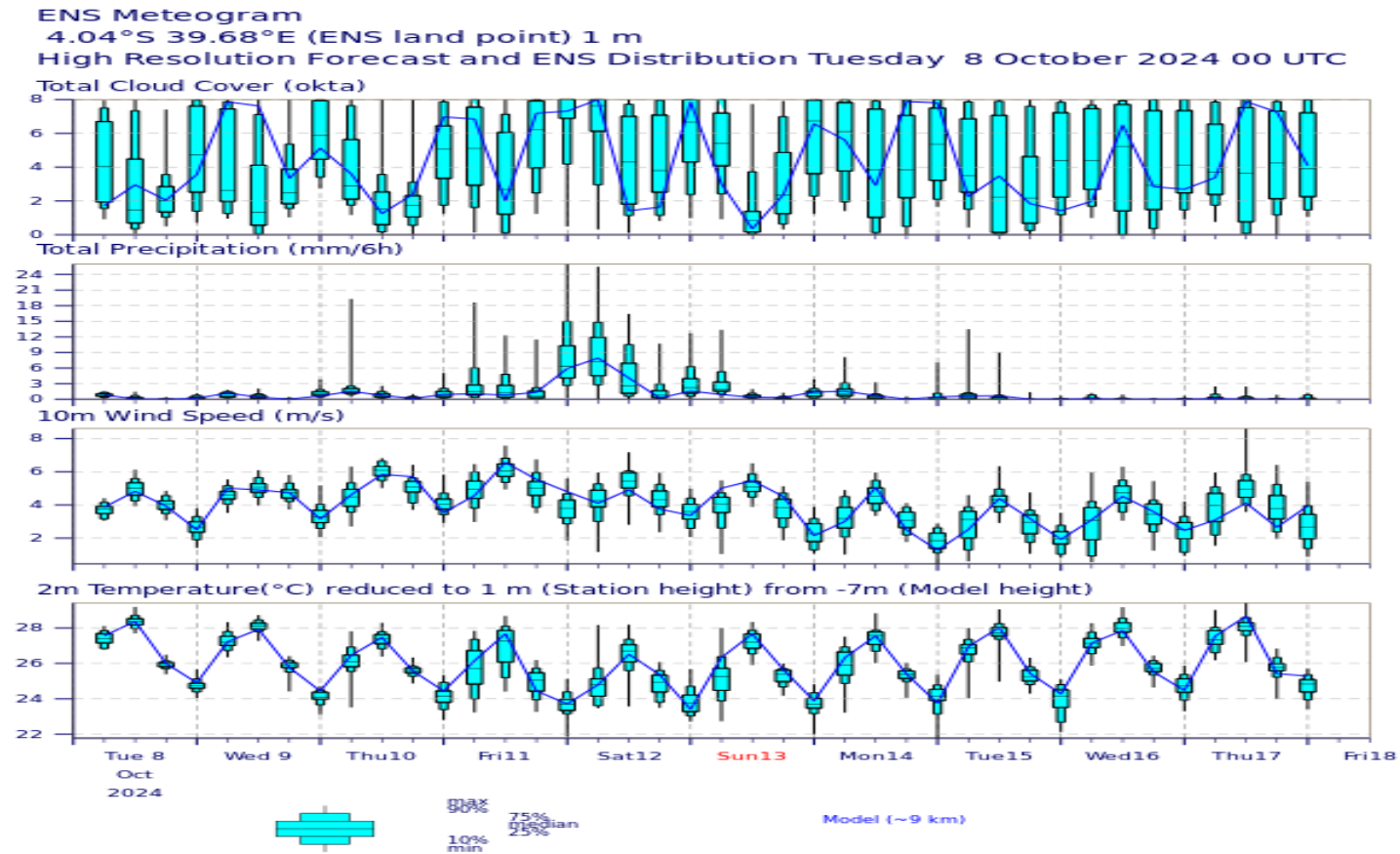
County Director of Meteorological Services, Mombasa County

PRECIPITATION DISTRIBUTION OVER MOMBASA COUNTY 08 – 14 OCTOBER 2024

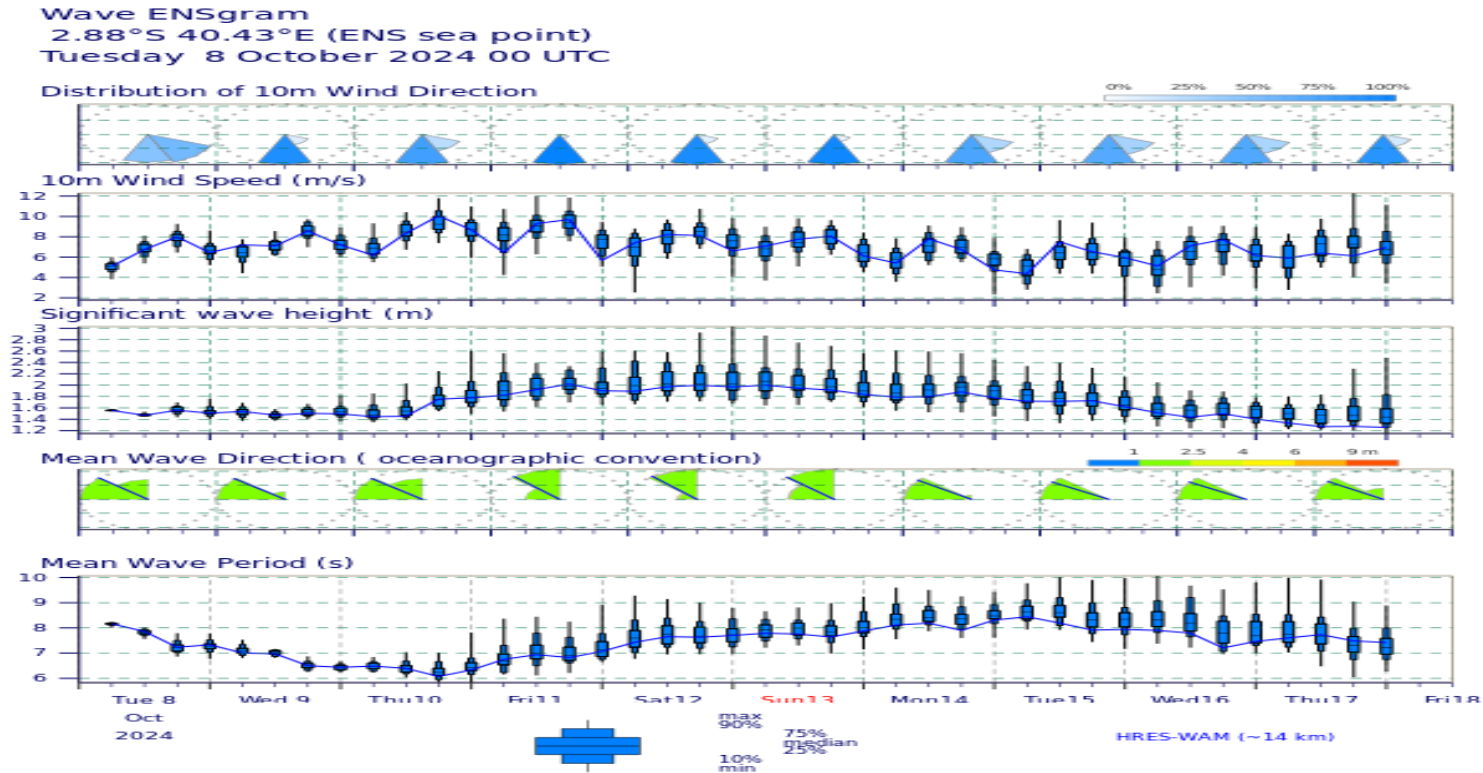


ADDITIONAL INFORMATION

10 DAYS FORECASTS FOR WINDS, PRECIPITATIONS AND TEMPERATURE MOMBASA



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



The distribution of wind directions are southerly, throughout the 10 days forecast period, the wind speeds vary between 5 m/s and 10 m/s, the wave heights vary between 1.4 m and 2.2 m. The wave directions are southeasterly (SE) and the wave periods between 6 and 9 seconds