



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT
MOI INTERNATIONAL AIRPORT, CONTROL TOWER
COUNTY DIRECTOR OF METEOROLOGICAL SERVICES
P.O. Box 98512-80100, MOMBASA
Mob. +254 731341118, **E-mail:** cdmmombasa@meteo.go.ke

Our Ref: MET/MSA-CNTY/WK4 OCTOBER2024





























Date of Issue: 28th OCTOBER 2024

MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 29th OCT- 4TH NOV 2024

PART-I: Mombasa County Weekly Weather Outlook

- 1 Dry and hot weather conditions are expected to dominate throughout the forecast week with several places experiencing showers in the morning and afternoon over the weekend (Friday to Sunday).
 - 2 The expected range of daytime MAXIMUM temperature is 30- 32 °C; the average MINIMUM temperature will be around 25 °C.
 - 3 Wind strength will vary between 4 - 5 m/s (8 – 10 Kt) throughout the forecast period.
 - 4 Slight to Moderate Ocean conditions will prevail throughout the forecast week with wave heights of between 0.5 m to 1.5 m (1.5 to 4.5 ft).
 - 5 CAUTION IS HOWEVER ADVISED WHILE CONDUCTING MARINE ACTIVITIES IN DEEP SEAS
-

PART-II: Detailed Weekly Weather Forecast for Mombasa County

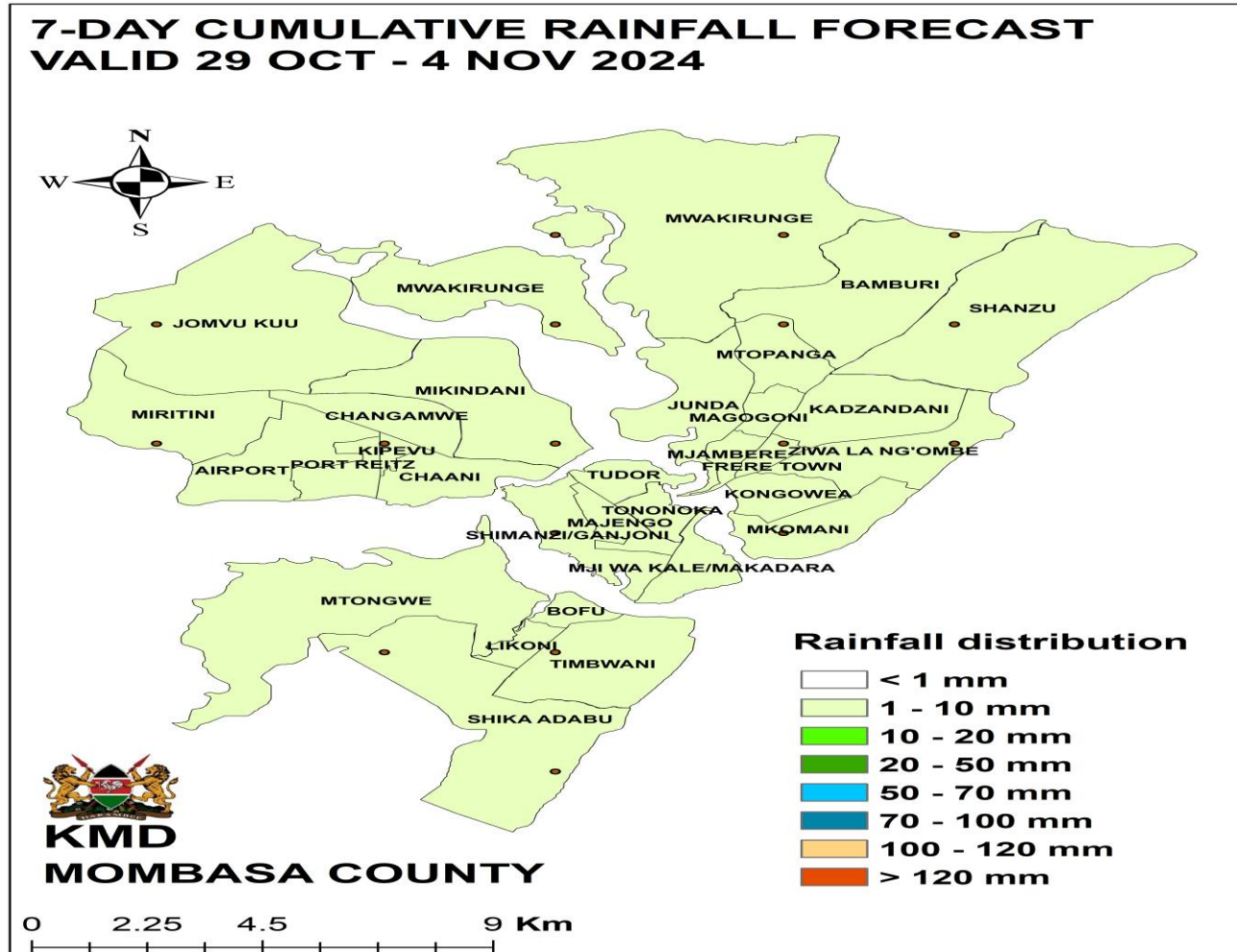
		Probable weather						
		Notes: Light rains < 1-5 mm; Moderate rains 5-20 mm; Heavy rains > 20 mm						
		Tue 29/10/2024	Wed 30/10/2024	Thurs 31/10/2024	Fri 1/11/2024	Sat 2/11/2024	Sun 3/11/2024	Mon 4/11/2024
Rainfall	Morning	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Showers and Sunny	 Showers and Sunny	 Cloudy and Sunny
	Afternoon	 Cloudy Sunny intervals	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny intervals	 Showers 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	 Several places	 Several places	 Several places	 Several places
Temperature	Maximum	32 °C	32 °C	32 °C	32 °C	31 °C	32 °C	32 °C
	Minimum	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C
Humidity	Maximum	82 %	84 %	85 %	85 %	86 %	85 %	85 %
	Minimum	72 %	72 %	75 %	75 %	74 %	72 %	75 %
Wind Maximum	Speed & Direction	South East @ 4m/s	South @ 4 m/s	South @ 4 m/s	South @ 5 m/s	South @ 5 m/s	South @ 5 m/s	South @ 5 m/s
Significant Ocean wave height		0.6– 1.0 m Moderate	0.5 – 0.8 m Moderate	0.5 – 1.2 m Moderate	1.0 – 1.4 m Moderate	1.2 – 1.4 m Slight	1.2 – 1.4 m Slight	1.2 – 1.4 m Slight

PART-III: WEATHER SYMBOLS

Key for Marine Hazard Symbols

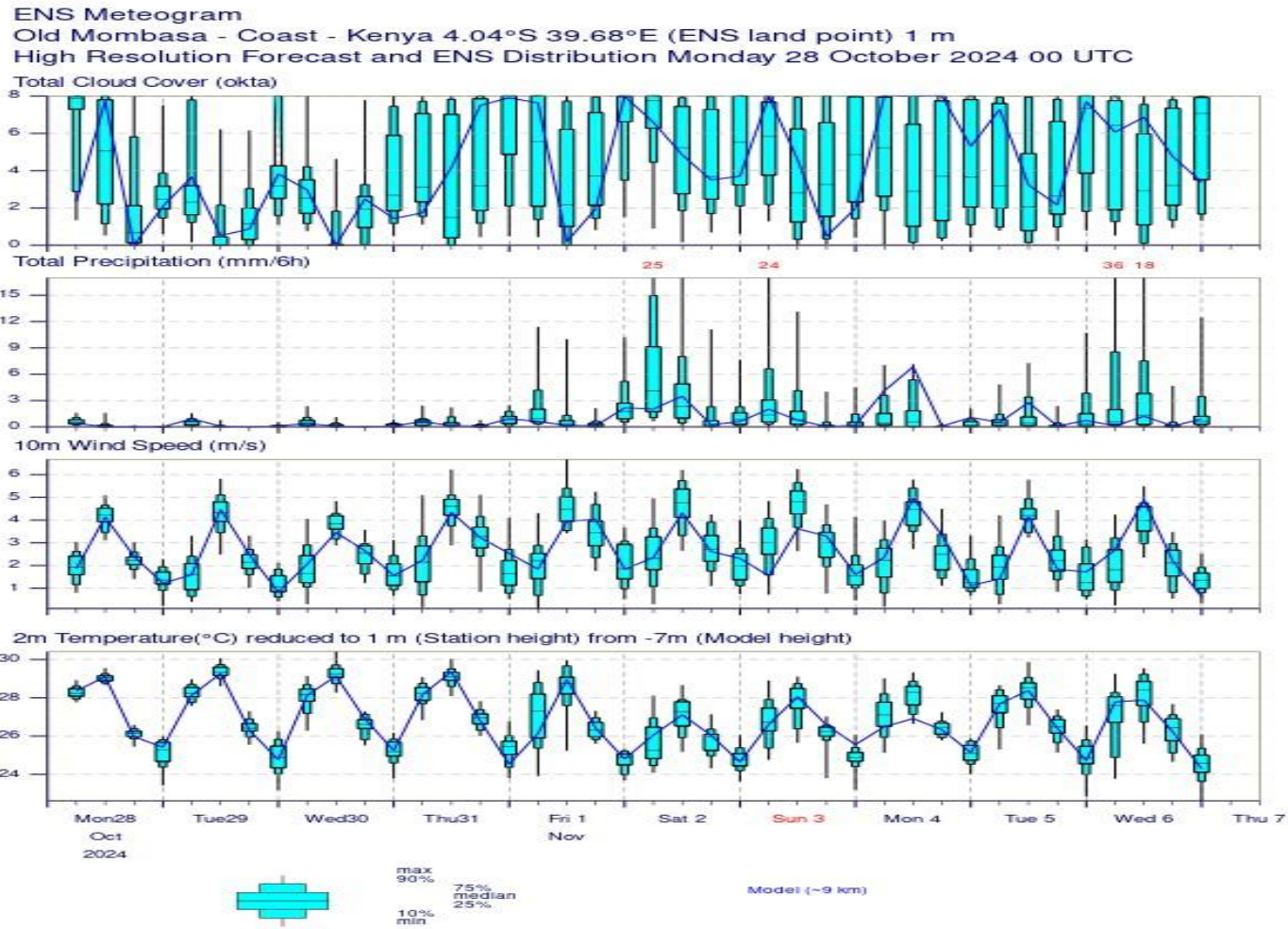
WAVE HEIGHT RANGE (Metres)		DESCRIPTION	IMPACT
0.5 – 1.0		SLIGHT SEA STATE	Conditions suitable for Marine activities
1.1 – 2.0		MODERATE SEA STATE	
2.1 – 3.0		ROUGH	
>3.0		VERY ROUGH	Caution when operating marine activities Warning in place!!!! Warning in place on marine activities
Conditions suitable 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 – 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	

WEEKLY RAINFALL DISTRIBUTION FOR MOMBASA COUNTY 29TH OCTOBER TO 4TH NOV. 2024



ADDITIONAL INFORMATION

10 DAYS FORECASTS FOR WINDS, PRECIPITATIONS AND TEMPERATURE MOMBASA

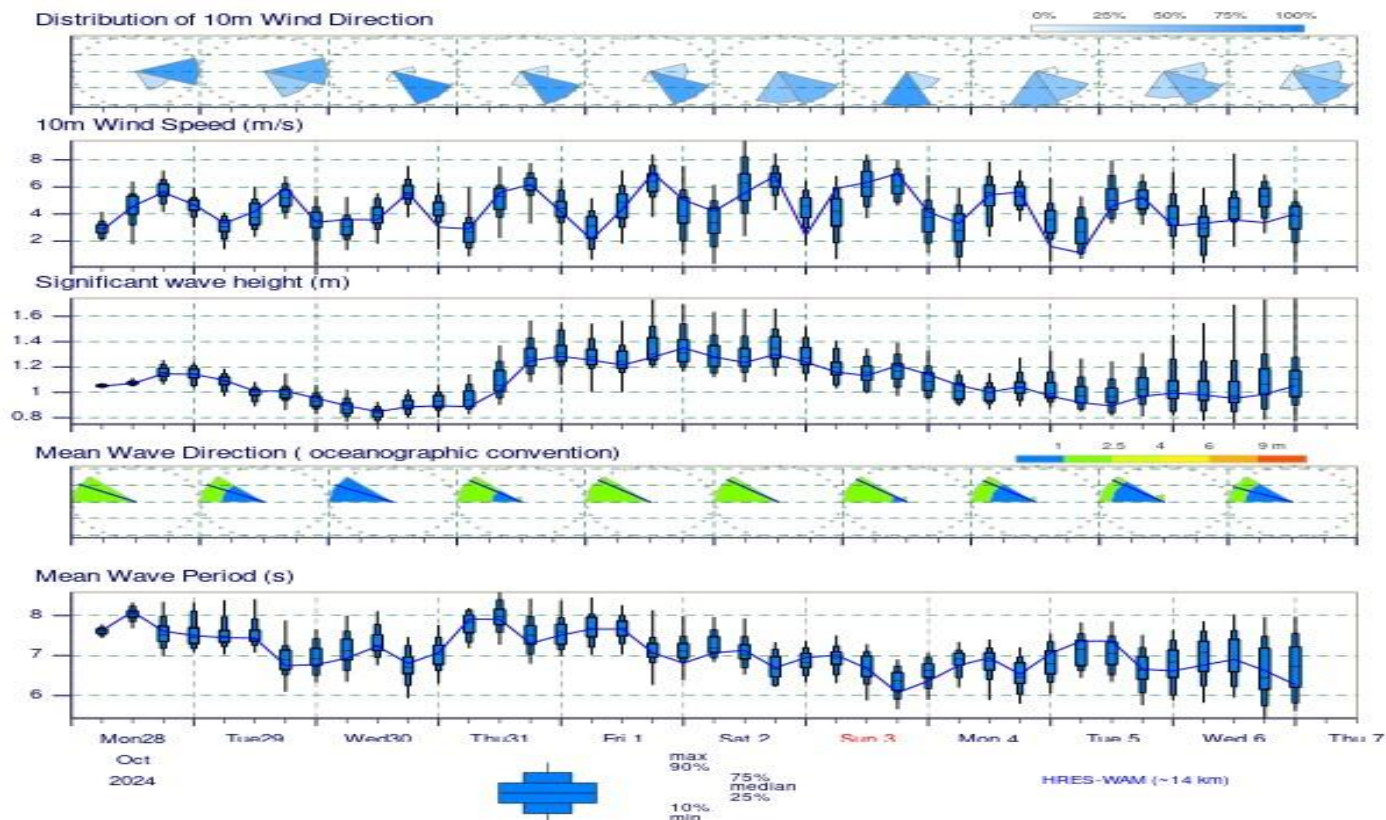


TEN DAYS SIGNIFICANT WAVE HEIGHTS, WINDS, OVER SOUTH WEST INDIAN OCEAN

Wave ENSgram

3.13°S 40.43°E (ENS sea point)

Monday 28 October 2024 00 UTC



The distribution of wind directions are south to South Easterly, throughout the 10 days forecast period, the wind speeds vary between 3 m/s and 7 m/s, the wave heights vary between 0.8 m and 1.4 m. The wave directions are southeasterly (SE) and the wave periods between 7 and 8 seconds