



**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**  
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*Our Ref: MET/MSA-CNTY/WK1 DECEMBER 2024*

*Date of Issue: 2<sup>ND</sup> DEC 2024*





























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## **MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 3<sup>RD</sup> - 9<sup>TH</sup> DECEMBER 2024**

### **PART-I: Mombasa County Weekly Weather Outlook**

- 1 We are expecting a mixed weather conditions during the forecast week with a few places experiencing showers in the morning,
  - 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 4 - 6 m/s (8– 12 Kt) throughout the forecast period.
  - 4 Light Ocean conditions will prevail throughout the forecast week with wave heights of between 0.6 m to 1.4 m (1.8 to 4.2 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 3/12/2024	Wed 4/12/2024	Thurs 5/12/2024	Fri 6/12/2024	Sat 7/12/2024	Sun 8/12/2024	Mon 9/12/2024
<b>Rainfall</b>	<b>Morning</b>	 <b>Light showers and Sunny</b>	 <b>Light showers and Sunny</b>	 <b>Cloudy and Sunny</b>	 <b>Light showers and Sunny</b>	 <b>Cloudy and Sunny</b>	 <b>Cloudy and Sunny</b>	 <b>Cloudy and Sunny</b>
	<b>Afternoon</b>	 <b>Cloudy Sunny intervals</b>	 <b>Cloudy and Sunny</b>	 <b>Cloudy and Sunny</b>	 <b>Cloudy and Sunny intervals</b>	 <b>Cloudy and Sunny</b>	 <b>Cloudy and Sunny</b>	 <b>Cloudy and Sunny</b>
	<b>Night</b>	 <b>Partly Cloudy</b>	 <b>Partly Cloudy</b>	 <b>Partly Cloudy</b>	 <b>Partly Cloudy</b>	 <b>Partly cloudy</b>	 <b>Partly Cloudy</b>	 <b>Partly Cloudy</b>
	<b>Distribution</b>	 <b>Several places</b>	 <b>Several Places</b>	 <b>Several places</b>	 <b>Several places</b>	 <b>Few places</b>	 <b>Several places</b>	 <b>Several places</b>
<b>Temperature</b>	<b>Maximum</b>	32 °C	32 °C	32 °C	32 °C	32 °C	32 °C	32 °C
	<b>Minimum</b>	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C
<b>Humidity</b>	<b>Maximum</b>	83 %	85 %	85 %	85 %	85 %	84 %	83 %
	<b>Minimum</b>	72 %	75 %	75 %	75 %	72 %	72 %	72 %
<b>Wind Maximum</b>	<b>Speed &amp; Direction</b>	North East @ 4m/s	North East @ 6 m/s	North East @ 6 m/s	North East @ 6 m/s	North East @ 5 m/s	North East @ 5 m/s	North East @ 6 m/s
<b>Significant Ocean wave height</b>		0.6– 1.0 m Slight	1.0 – 1.3 m Slight	1.0 – 1.4 m Slight	1.0 – 1.4 m Slight	1.0 – 1.3 m Slight	1.1 – 1.4 m Moderate	1.1 – 1.4 m Moderate

## PART-III: WEATHER SYMBOLS

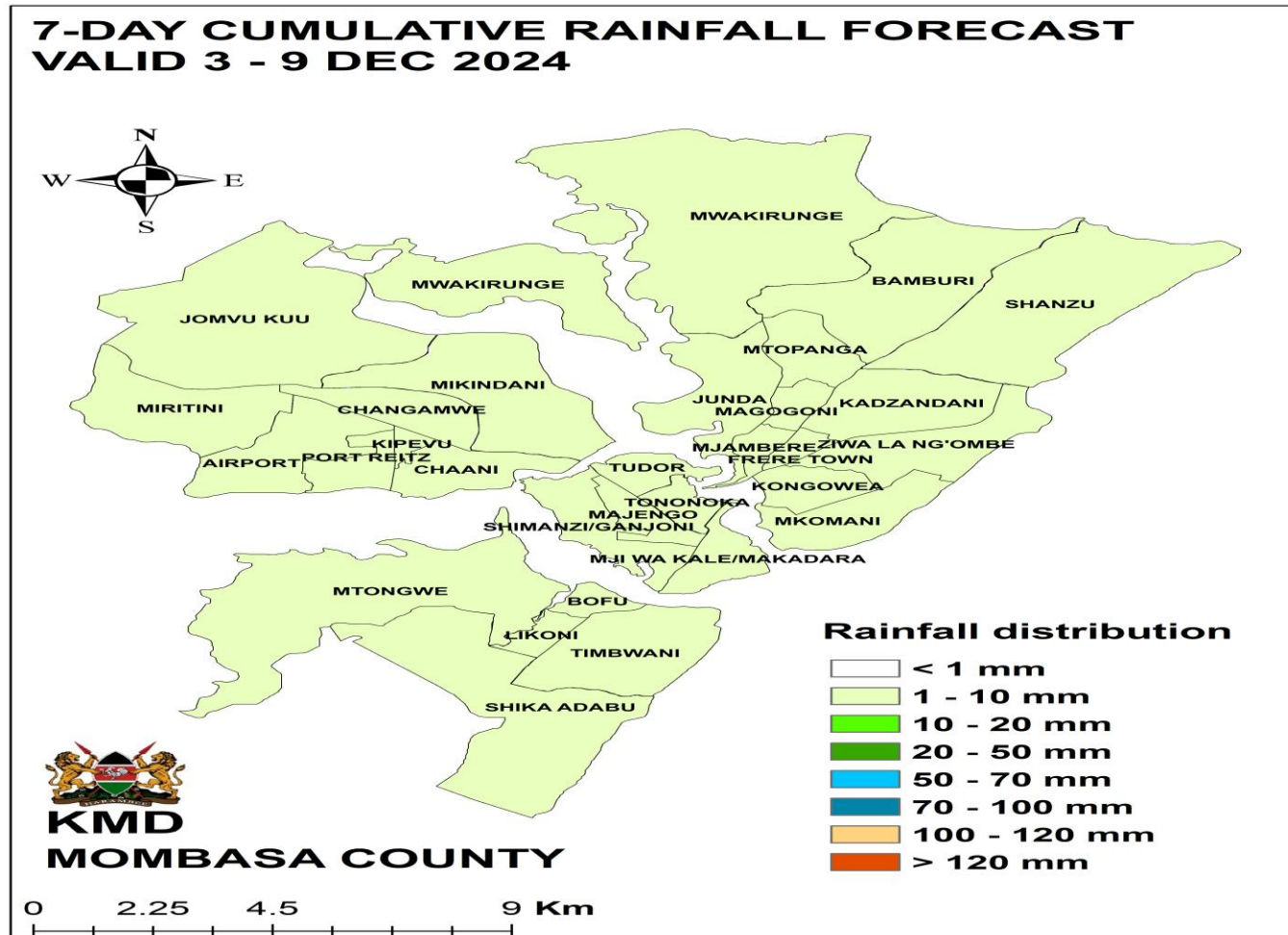
### Key for Marine Hazard Symbols

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	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 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 – 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

**ADDITIONAL INFORMATION**

**RAINFALL DISTRIBUTIONS MSA COUNTY 3 – 9 DECEMBER 2024**

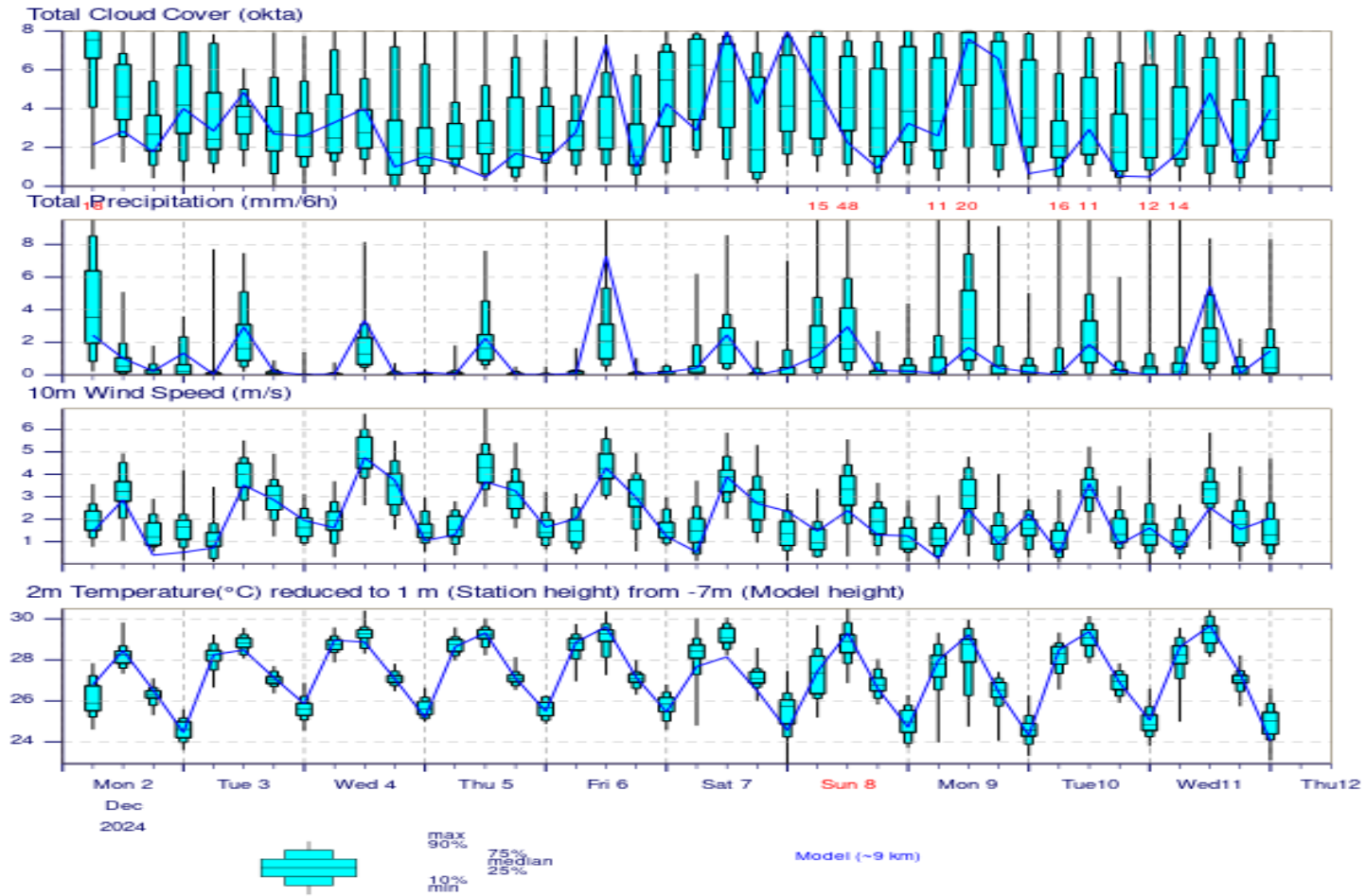


# 10 DAYS FORECASTS FOR WINDS, PRECIPITATIONS AND TEMPERATURE MOMBASA

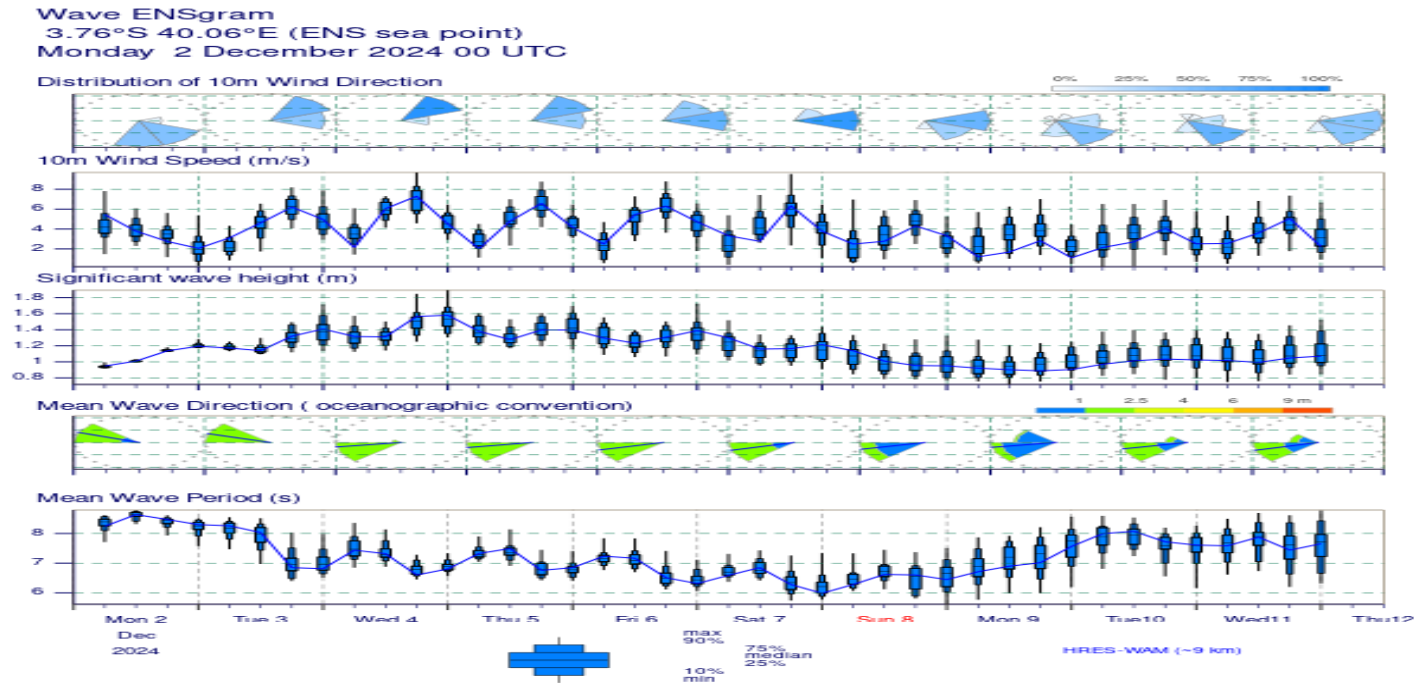
ENS Meteogram

4.04°S 39.68°E (ENS land point) 1 m

Control Forecast and ENS Distribution Monday 2 December 2024 00 UTC



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



*The distribution of wind directions are North Easterly, throughout the 10 days forecast period, the wind speeds vary between 2 m/s and 7 m/s, the significant wave heights vary between 0.6 m and 1.6 m. The wave directions are northeasterly (NE) and the wave periods between 6 and 10 seconds*