



**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**  
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*Our Ref: MET/MSA-CNTY/WK1 AUGUST 2025*

*Date of Issue: 4<sup>TH</sup> AUGUST 2025*





























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## **MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 5<sup>TH</sup> - 11<sup>TH</sup> AUGUST 2025**

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

- 1 We are expecting a mixed weather conditions during the forecast week. A few places will experience showers in the morning AT the beginning and towards the end of the forecast week.
  - 2 The expected range of daytime MAXIMUM temperature is 29 - 30 °C; the average MINIMUM temperature will be around 24 °C.
  - 3 Moderate winds are expected throughout the forecast week. Wind strength will vary between 7 - 10 m/s (14– 20 Kt) throughout the forecast period.
  - 4 **Moderate sea conditions** will prevail throughout the forecast week. Moderate Ocean conditions will prevail from mid week during the forecast week with wave heights of between 1.6 m to 2.4 m (4.8 to 7.2 ft). .
  - 5 **CAUTION IS HOWEVER ADVISED WHILE CONDUCTING MARINE ACTIVITIES IN DEEP SEAS DURING THE WEEK**
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## PART-II: Detailed Weekly Weather Forecast for Mombasa County

		<b>Probable weather</b> <b>Notes: Light rains &lt; 1-5 mm; Moderate rains 5-20 mm; Heavy rains &gt; 20 mm</b>						
		<b>Tue 5/8/2025</b>	<b>Wed 6/8/2025</b>	<b>Thurs 7/8/2025</b>	<b>Fri 8/8/2025</b>	<b>Sat 9/8/2025</b>	<b>Sun 10/8/2025</b>	<b>Mon 11/8/2025</b>
<b>Rainfall</b>	<b>Morning</b>	 <b>Showers and Sunny</b>	 <b>Showers and Sunny</b>	 <b>Cloudy and Sunny</b>	 <b>Cloudy and Sunny</b>	 <b>Showers and Sunny</b>	 <b>Cloudy and Sunny</b>	 <b>Cloudy and Sunny</b>
	<b>Afternoon</b>	 <b>Cloudy and Sunny</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>Afew places</b>	 <b>Afew 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>	<b>30 °C</b>	<b>30 °C</b>	<b>29 °C</b>	<b>29 °C</b>	<b>29 °C</b>	<b>29 °C</b>	<b>30 °C</b>
	<b>Minimum</b>	<b>24 °C</b>	<b>24 °C</b>	<b>24 °C</b>	<b>24 °C</b>	<b>24 °C</b>	<b>24 °C</b>	<b>24 °C</b>
<b>Humidity</b>	<b>Maximum</b>	<b>80 %</b>	<b>80 %</b>	<b>80 %</b>	<b>84 %</b>	<b>84 %</b>	<b>84%</b>	<b>84 %</b>
	<b>Minimum</b>	<b>73 %</b>	<b>72 %</b>	<b>74 %</b>	<b>75%</b>	<b>75 %</b>	<b>74 %</b>	<b>72 %</b>
<b>Wind Maximum</b>	<b>Speed &amp; Direction</b>	<b>South @ 10 m/s</b>	<b>South East @ 10 m/s</b>	<b>South @ 7 m/s</b>	<b>South @ 7m/s</b>	<b>South East @ 8 m/s</b>	<b>South East @ 8 m/s</b>	<b>South @ 8 m/s</b>
<b>Significant Ocean wave height</b>		<b>1.6 – 2.4 m Moderate</b>	<b>1.8– 2.2 m Moderate</b>	<b>1.8 – 2.2 m Moderate</b>	<b>1.6 – 2.0 m Moderate</b>	<b>1.7 – 2.0 m Moderate</b>	<b>1.6 – 1.8 m Moderate</b>	<b>1.8 – 2.0 m Moderate</b>

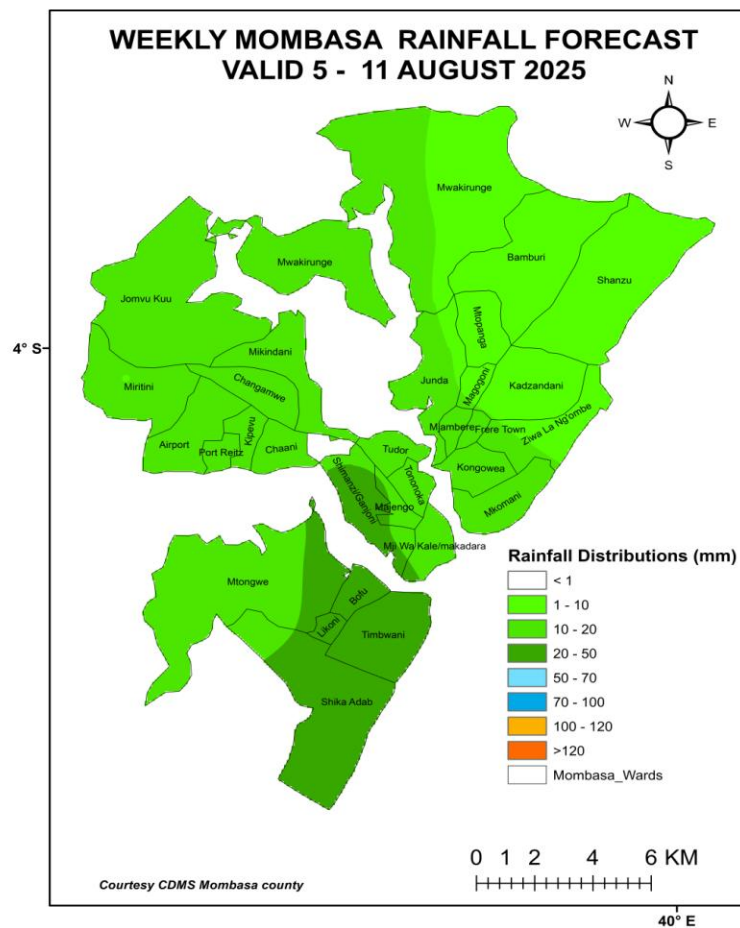
## PART-III: WEATHER SYMBOLS

### 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	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

### ***RAINFALL DISTRIBUTIONS MSA COUNTY (SUBCOUNTY AND WARDS) 22 – 28 JULY 2025***



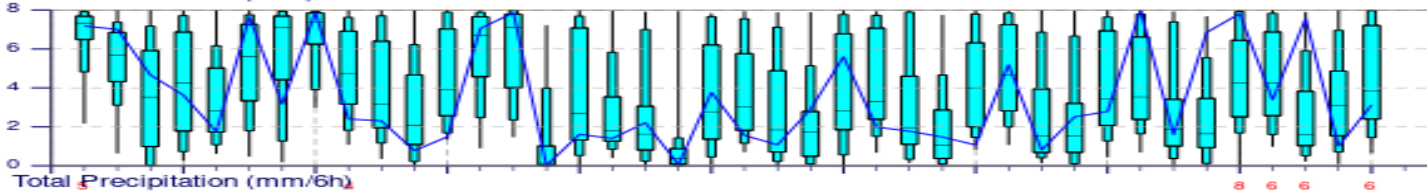
## 10 DAYS FORECASTS FOR WINDS, PRECIPITATIONS AND TEMPERATURE MOMBASA

ENS Meteogram

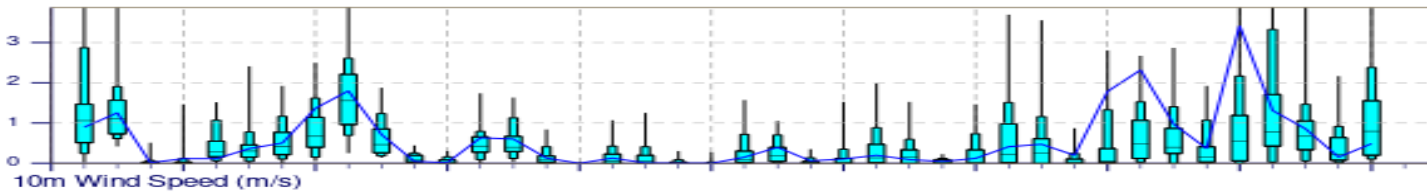
4.04°S 39.68°E (ENS land point) 1 m

Control Forecast and ENS Distribution Monday 4 August 2025 00 UTC

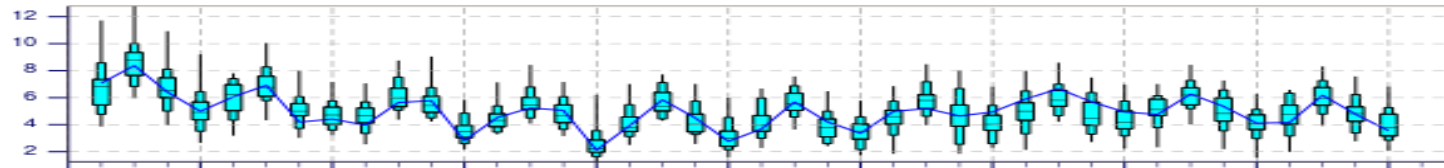
Total Cloud Cover (okta)



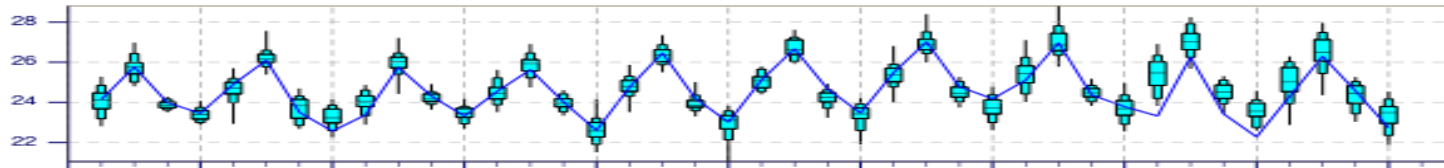
Total Precipitation (mm/6h)



10m Wind Speed (m/s)



2m Temperature(°C) reduced to 1 m (Station height) from -7m (Model height)



Mon 4  
Aug  
2025

Tue 5

Wed 6

Thu 7

Fri 8

Sat 9

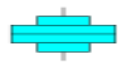
Sun 10

Mon 11

Tue 12

Wed 13

Thu 14



max  
90%  
75%  
median  
25%  
10%  
min

Model (~9 km)

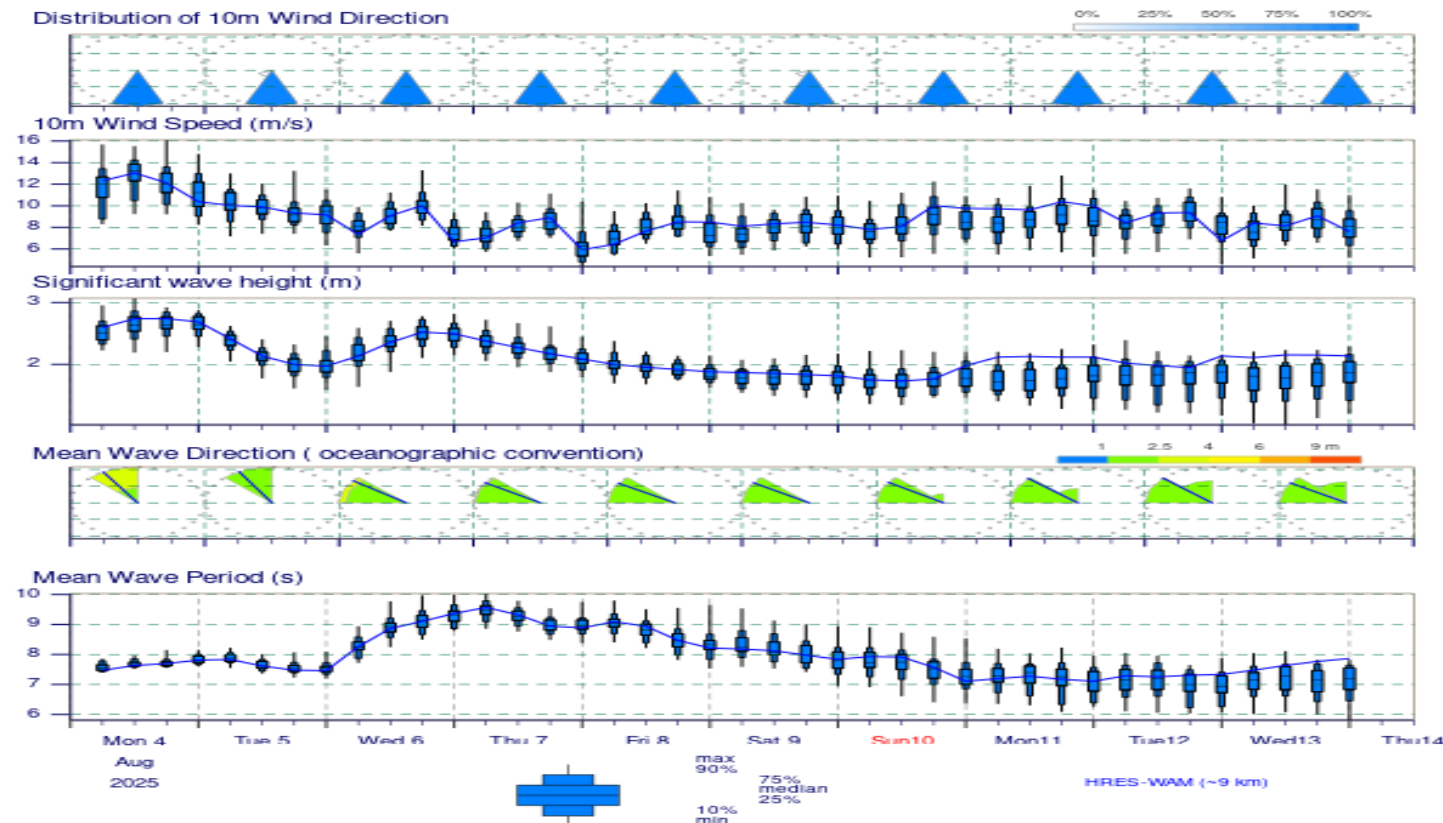
## TEN DAYS SIGNIFICANT WAVE HEIGHTS, WINDS, OVER SOUTH WEST INDIAN OCEAN

Wave ENSgram

3.9°S 39.91°E (ENS sea point)

Monday 4 August 2025 00 UTC

Distribution of 10m Wind Direction



*The distribution of wind directions are predominantly south to southeast, throughout the 10 days forecast period, the wind speeds vary between 6 m/s and 12m/s, the significant wave heights vary between 1.8 m and 2.4 m. The wave directions are Southerly (S) and the wave periods between 7 and 10 seconds*