



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/WK 1 AUGUST 2026

Date of Issue: 3 AUGUST 2026

MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 4 – 10 AUGUST 2026

PART-I: Mombasa County Weekly Weather Outlook

- 1 Mixed weather conditions are expected during the forecast week. Showers are expected in the morning in a few places during the forecast week.
 - 2 The expected range of daytime MAXIMUM temperature is 28 - 29 °C; the average MINIMUM temperature will be around 23 °C.
 - 3 **Moderate to STRONG Southerly winds** are expected during the forecast week. Wind strength will vary between 7 - 10 m/s (14–20 Kt) throughout the forecast period.
 4. **Moderate to ROUGH Sea conditions** will prevail during the forecast week. Wave heights of between 1.2 m to 2.0 (4.0 to 6.2 ft).
 5. **CAUTION IS STRONGLY ADVISED WHILE CONDUCTING MARINE ACTIVITIES IN DEEP SEAS DURING THE WEEK**
-

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 4/8/2026	Wed 5/8/2026	Thurs 6/8/2026	Fri 7/8/2026	Sat 8/8/2026	Sun 9/8/2026	Mon 10/8/2026
Rainfall	Morning	 Showers and sunny	 Showers and Sunny	 Cloudy and Sunny	 Showers and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny
	Afternoon	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy Sunny	 Cloudy and sunny	 Cloudy and Sunny
	Night	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly cloudy	 Partly Cloudy	 Partly Cloudy
	Distributio n	 Several places	 A few Places	 Several places	 A few places	 Several places	 Several places	 Several places
Temperature	Maximum	29 °C	28 °C	29 °C	28 °C	29 °C	29 °C	29 °C
	Minimum	23 °C	22 °C	23 °C	22 °C	23 °C	23 °C	23 °C
Humidity	Maximum	75 %	78 %	78 %	76 %	78 %	74%	78 %
	Minimum	60 %	62%	62 %	60%	62 %	65 %	65 %
Wind Maximum	Speed & Direction	South @ 8 m/s	Southeast @ 10 m/s	South @ 12 m/s	Southeast @ 12 m/s	South @10 m/s	South @ 12 m/s	South @12 m/s
Significant Ocean wave height		1.2 – 1.8 m Moderate	1.5 – 2.0 m Moderate	1.5 – 2.0 m Moderate	1.5 – 2.0 m Moderate	1.5 – 2.0 m Moderate	1.2 – 1.8 m Moderate	1.2 – 1.8 Moderate

PART-III: WEATHER SYMBOLS

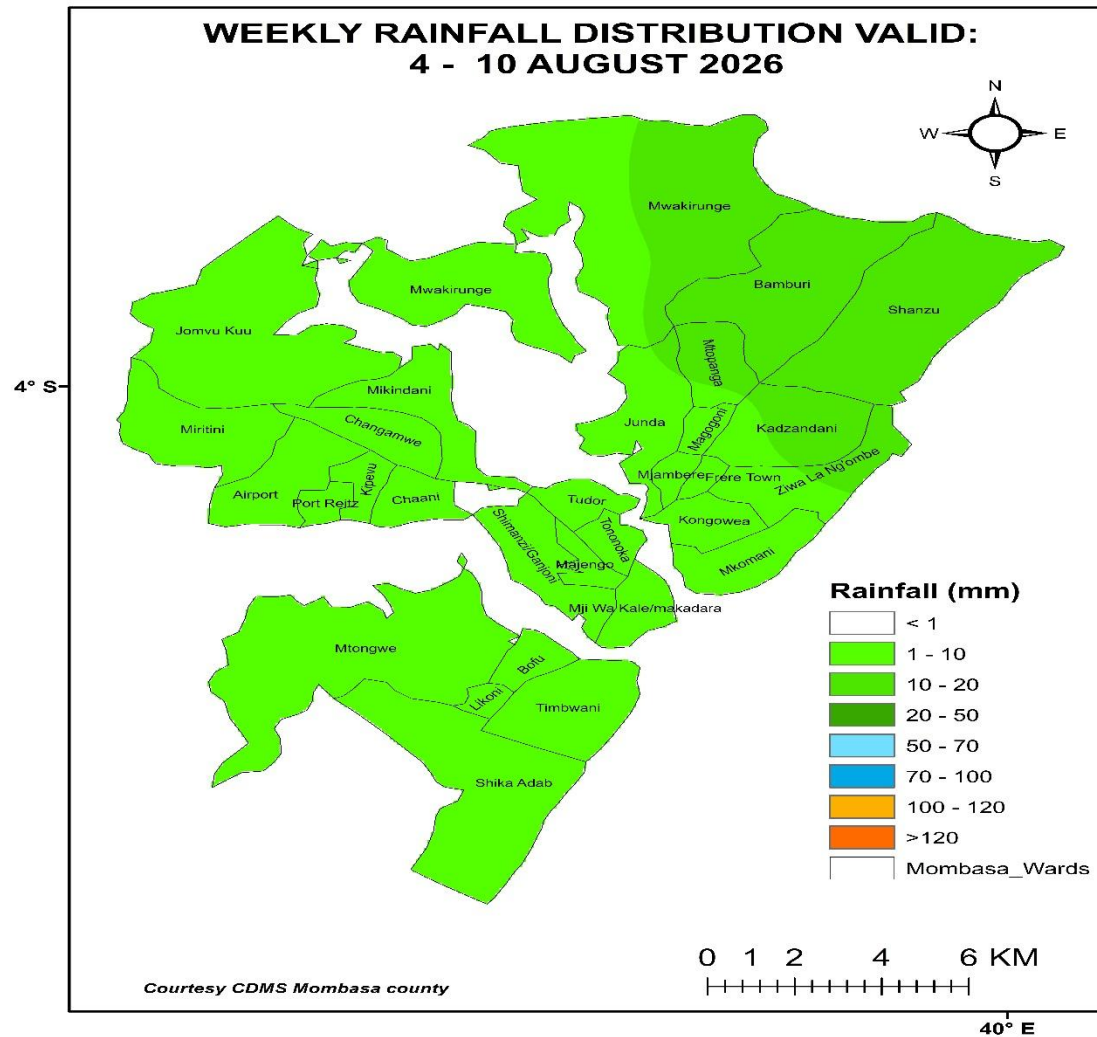
Key for Marine Hazard Symbols

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	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 RAINFAL DISTRIBUTION VALID 4 – 10 AUG 2026



Rainfall totals < 30 mm

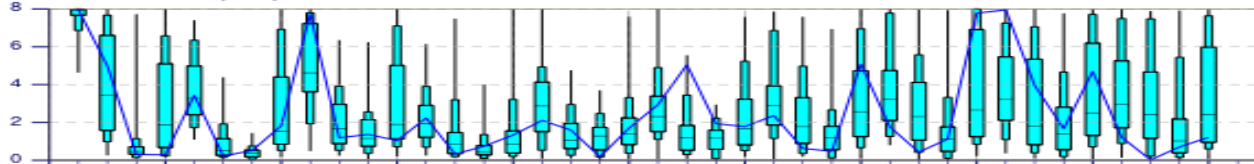
10 DAYS FORECASTS FOR WINDS, PRECIPITATIONS AND TEMPERATURE MOMBASA

ENS Meteogram

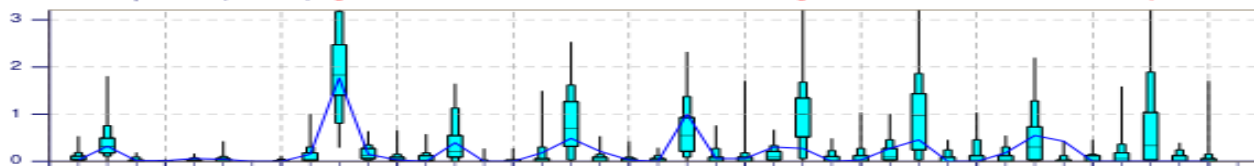
3.34°S 39.65°E (ENS land point) 133 m

Control Forecast and ENS Distribution Monday 3 August 2026 00 UTC

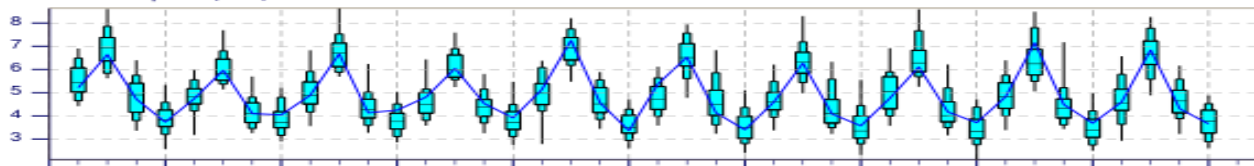
Total Cloud Cover (okta)



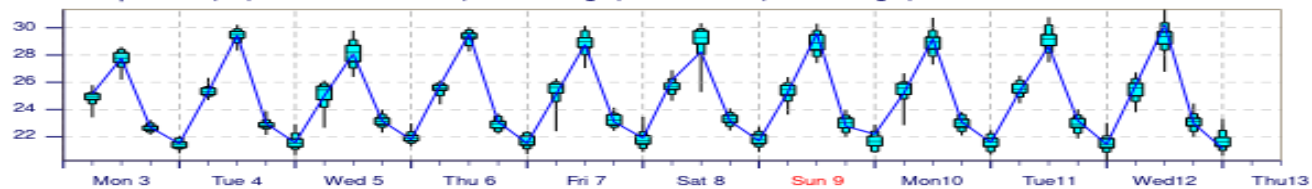
Total Precipitation (mm/6h)



10m Wind Speed (m/s)



2m Temperature(°C) reduced to 133 m (Station height) from 162m (Model height)

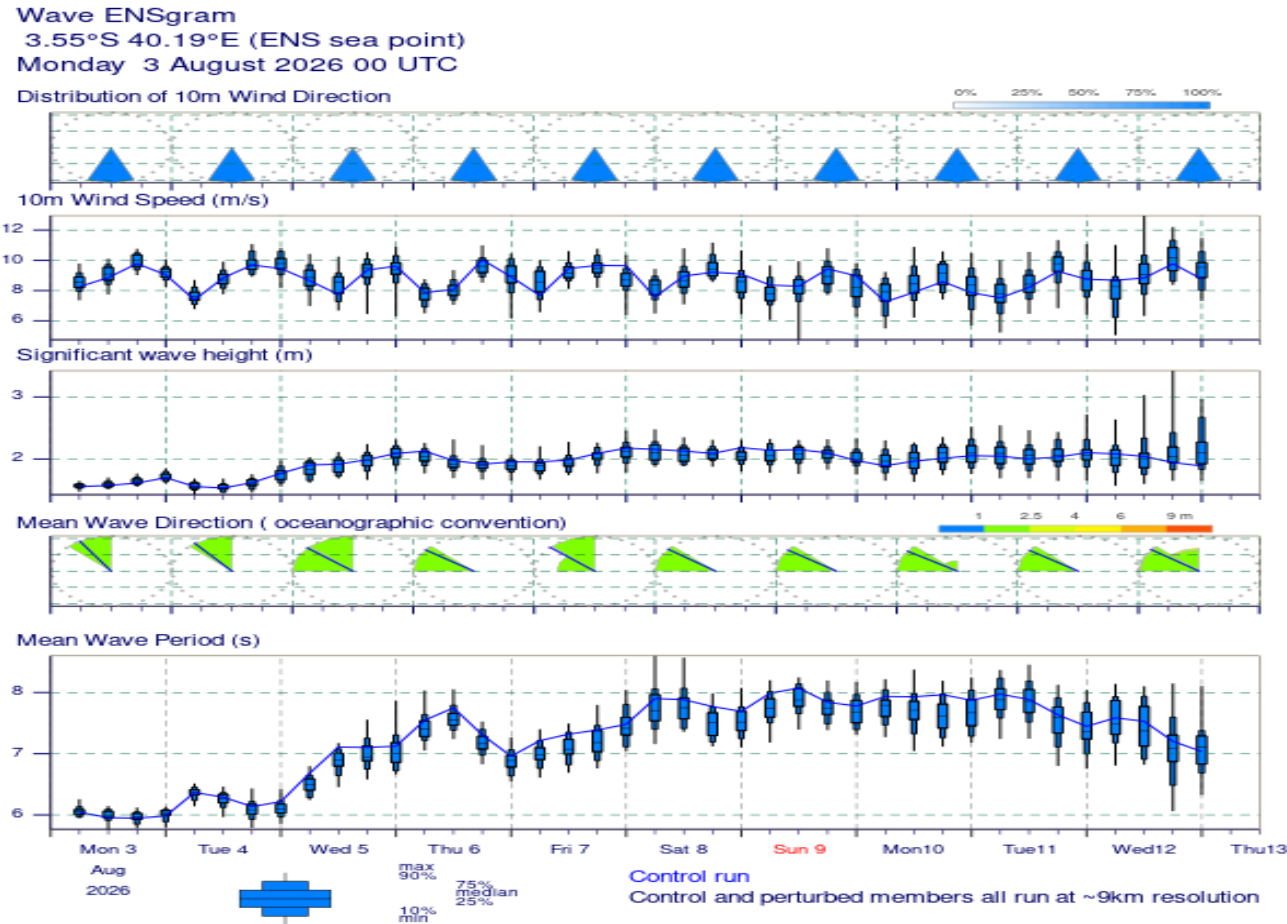


max
90%
75%
median
25%
10%
min

Control run

Control and perturbed members all run at ~9km resolution

TEN DAYS SIGNIFICANT WAVE HEIGHTS, WINDS, OVER SOUTHWEST INDIAN OCEAN



The distribution of wind directions is predominantly Southerly throughout the 10-day forecast period, the wind speeds vary between 7m/s and 10 m/s, the significant wave heights vary between 1.2 m and 2.0 m The wave directions are Southerly (S) and the wave periods between 6 and 8 seconds