



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 WEEK 2JAN2025





























Date of Issue: 20TH JAN 2025

MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 21TH – 27TH JAN 2025

PART-I: Mombasa County Weekly Weather Outlook

- 1 Dry weather conditions are expected throughout the forecast week. No significant rainfall expected during the week.
 - 2 The expected range of daytime MAXIMUM temperature is 31- 32 °C; the average MINIMUM temperature will be around 25 °C.
 3. Wind strength will vary between 5 - 10 m/s (10 – 20 Kt) throughout the forecast period.
 4. **Moderate Ocean conditions throughout the forecast week.** Ocean conditions (1.2 – 2.0 m) . .
 - 5 CAUTION IS 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 21/1/2024	Wed 22/1/2025	Thurs 23/1/2025	Fri 24/1/2025	Sat 25/1/2025	Sun 26/1/2025	Mon 27/1/2025
Rainfall	Morning	 Cloudy and Sunny	 Slight shower and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny
	Afternoon	 Cloudy Sunny intervals	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy 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	32 °C	31 °C	31 °C
	Minimum	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C
Humidity	Maximum	82 %	84%	82 %	84 %	84 %	84 %	82 %
	Minimum	70 %	72 %	72 %	70 %	72 %	72 %	73 %
Wind Maximum	Speed & Direction	North East @ 8 m/s	North East @ 10 m/s	North East @ 12 m/s	North East @ 12 m/s	North East @ 12 m/s	North East @ 10 m/s	North East @ 10 m/s
Significant Ocean wave height		1. 2– 1.8 m Moderate	1.2 – 1.8 m Moderate	1.2 – 1.8 m Moderate	1.5 – 2.0 m Moderate	1.6 – 2.0 m Moderate	1.6 – 2.2 m Slight	1.5 – 2.0 m Moderate

PART-III: WEATHER SYMBOLS

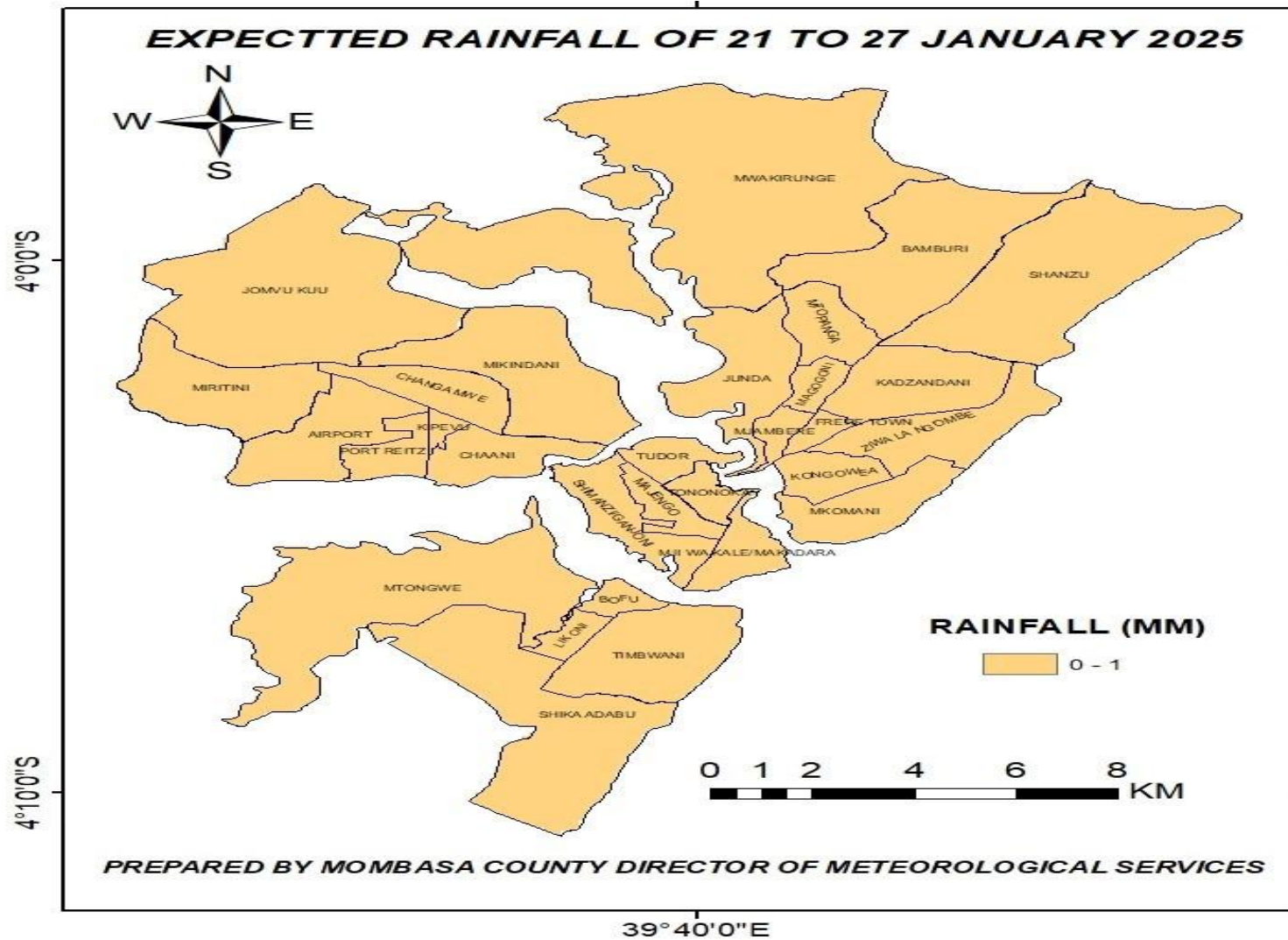
Key for Marine Hazard Symbols

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 – 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 RAINFALL DISTRIBUTION FOR MOMBASA COUNTY 21ST 27TH JAN. 2025



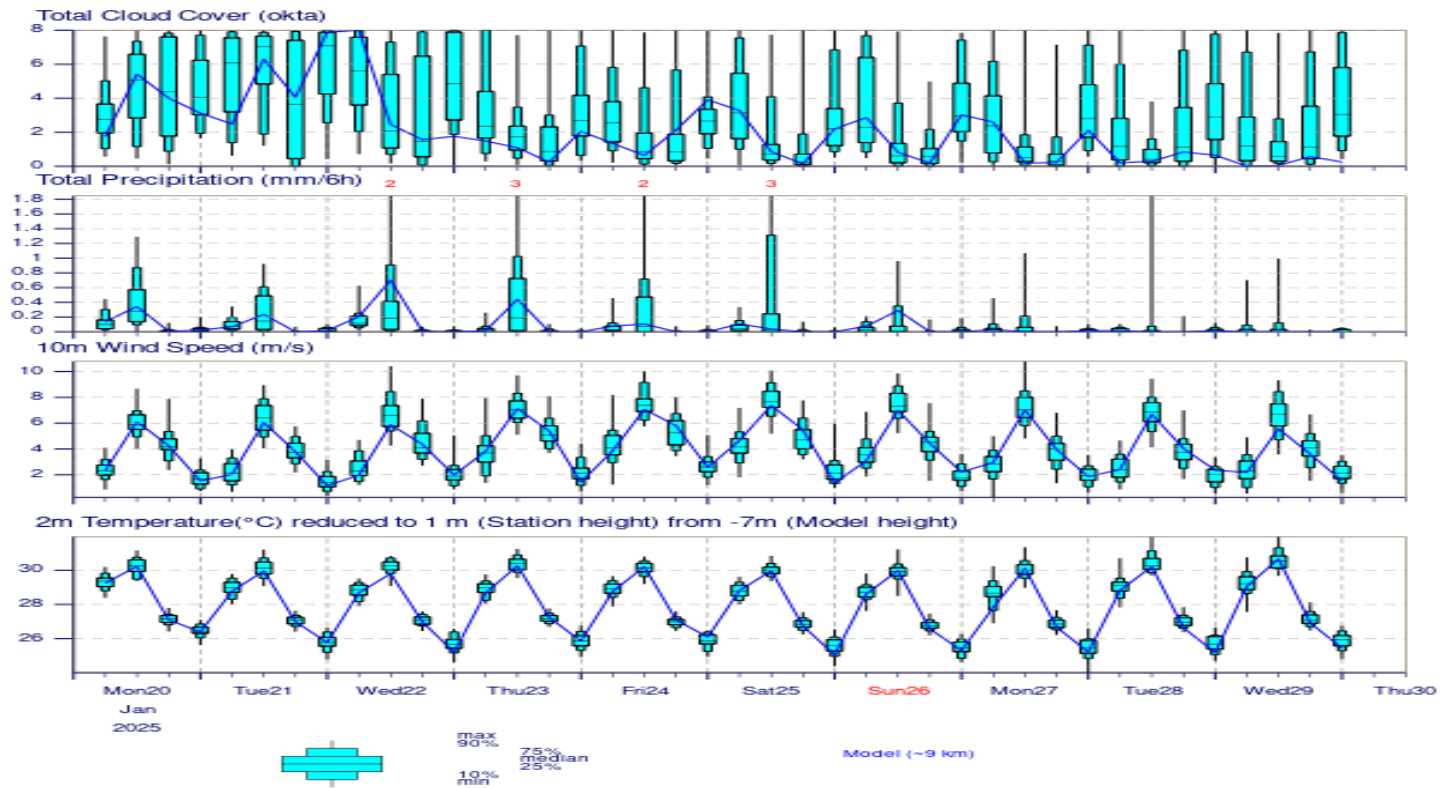
ADDITIONAL INFORMATION

10 DAYS FORECASTS FOR WINDS, PRECIPITATIONS AND TEMPERATURE MOMBASA

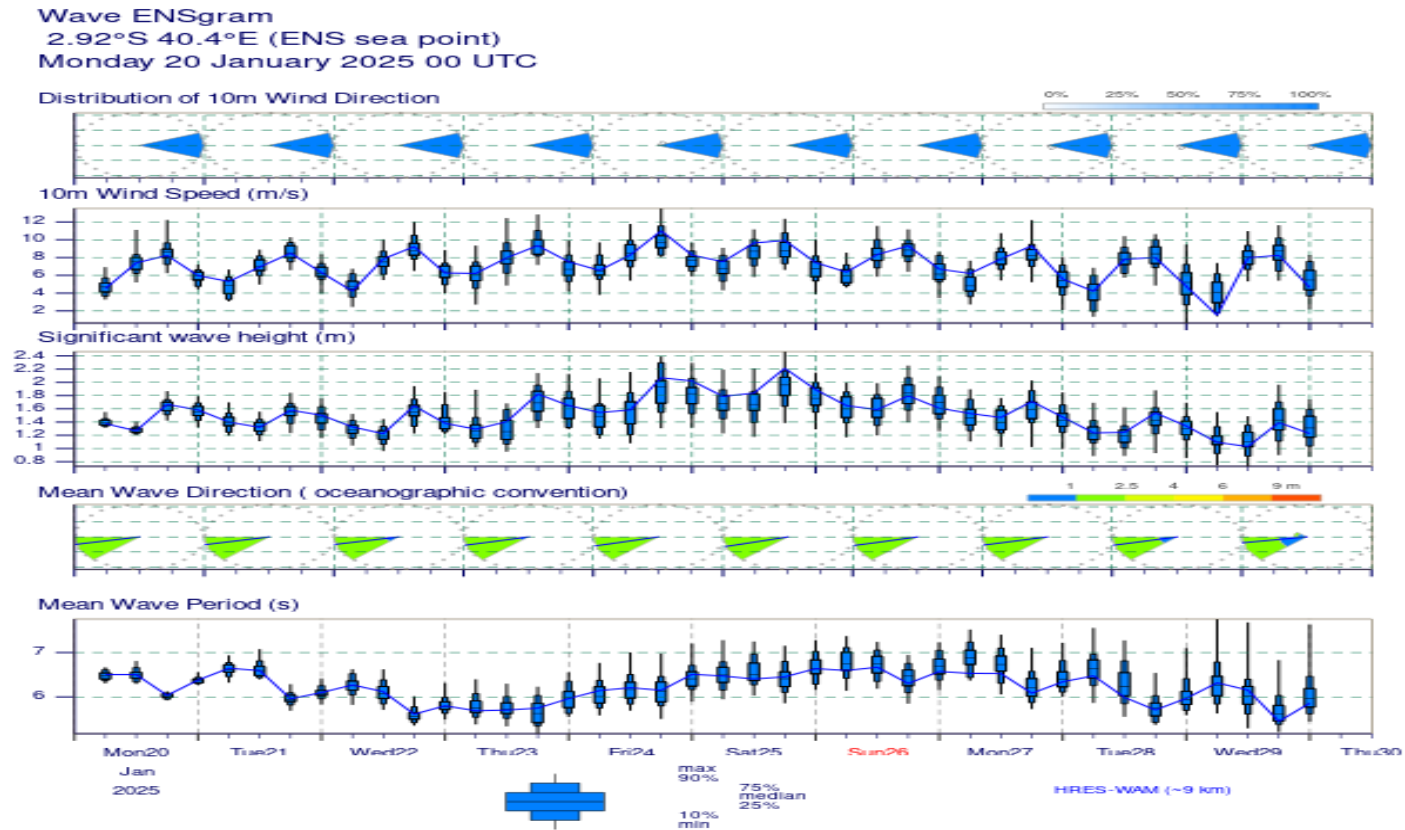
ENS Meteogram

4.04°S 39.68°E (ENS land point) 1 m

Control Forecast and ENS Distribution Monday 20 January 2025 00 UTC



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



The distribution of wind directions is North East, throughout the 10 days forecast period, the wind speeds vary between 4 m/s and 12 m/s, the wave heights vary between 1.2 m and 2.5 m. The wave directions are Northeasterly (NE) and the wave periods between 5 and 7 seconds