



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT
MOI INTERNATIONAL AIRPORT, CONTROL TOWER
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Our Ref: MET/MSA-CNTY WEEK 2APRIL 2025





























Date of Issue: 14TH APRIL 2025

MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 15– 21 APRIL 2025

PART-I: Mombasa County Weekly Weather Outlook

1. Mixed weather conditions are expected during the forecast period. Some slight showers expected during the forecast week in the morning and afternoon hours in several parts of the County.
 2. The expected range of daytime MAXIMUM temperature is 31- 33 °C; the average MINIMUM temperature will be around 26 °C.
 3. Moderate winds of strength varying between 6 - 8 m/s (12 – 18 Kt) will be experienced throughout the forecast period. No negative impacts expected on infrastructures
 4. Slight to Moderate Ocean conditions will prevail throughout the forecast week. Ocean conditions (0.8 – 1.4 m). Favourable Ocean conditions.
 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 15/4/2025	Wed 16/4/2025	Thurs 17/4/2025	Fri 18/4/2025	Sat 19/4/2025	Sun 20/4/2025	Mon 21/4/2025
Rainfall	Morning	 Slight showers and sunny	 Slight showers and Sunny	 Cloudy and Sunny	 Slight showers and Sunny	 Showers and Cloudy	 Showers and Sunny	 Cloudy and sunny
	Afternoon	 Cloudy Sunny intervals	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Showers and Cloudy	 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	31 °C	32 °C	32 °C	31 °C	32 °C
	Minimum	26 °C	26 °C	26 °C	26 °C	26 °C	26 °C	26 °C
Humidity	Maximum	85 %	85%	84 %	85 %	82 %	82 %	86 %
	Minimum	76 %	76 %	74 %	74 %	72 %	74 %	76 %
Wind Maximum	Speed & Direction	South @ 8 m/s	South @ 7 m/s	South @ 7m/s	South @ 7m/s	South @ 8 m/s	South @ 7 m/s	South East @ 6 m/s
Significant Ocean wave height		1.0 – 1.4 m Slight	0.8 – 1.0 m Slight	0.8 – 1.0 m Slight	0.8 – 1.0 m Slight	1.0 – 1.2 m Slight	1.0 – 1.4 m Slight	1.0 – 1.4 m Moderate

PART-III: WEATHER SYMBOLS

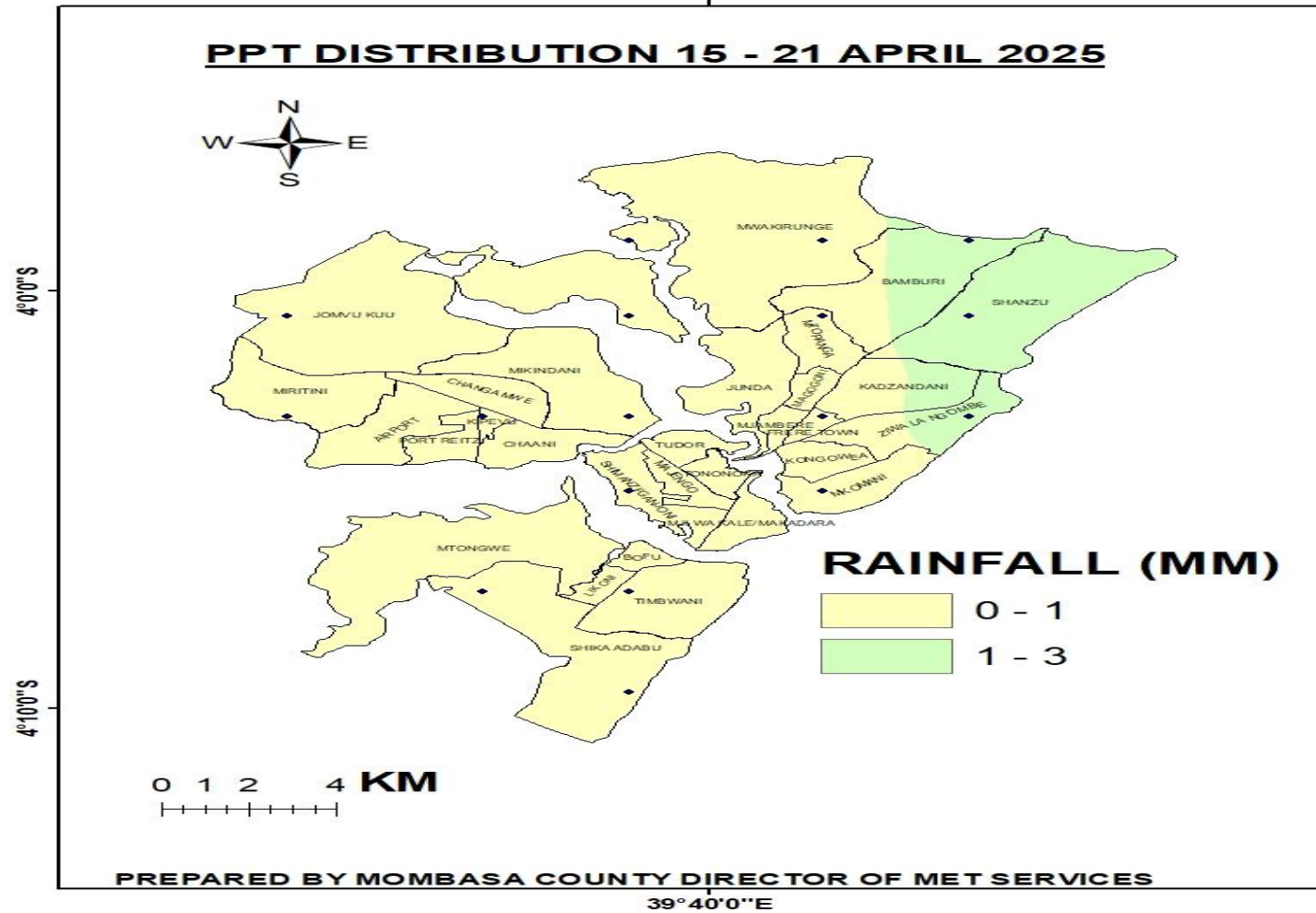
Key for Marine Hazard Symbols

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	
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

PRECIPITATION DISTRIBUTION OVER MOMBASA COUNTY 15 – 21 APRIL 2025



ADDITIONAL INFORMATION

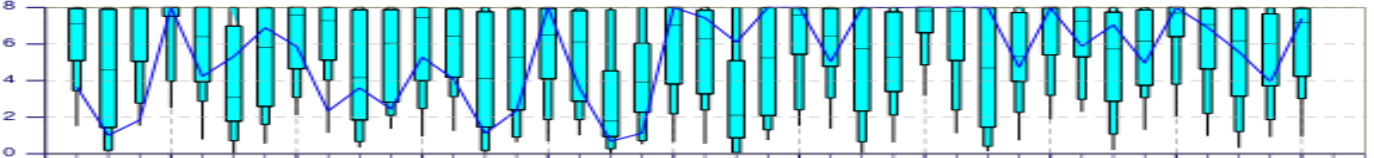
10 DAYS FORECASTS FOR WINDS, PRECIPITATIONS AND TEMPERATURE MOMBASA

ENS Meteogram

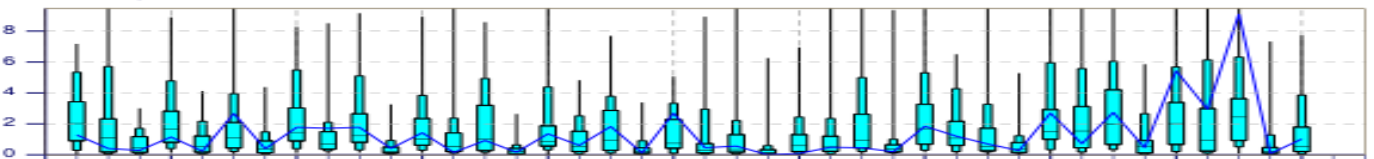
4.04°S 39.68°E (ENS land point) 1 m

Control Forecast and ENS Distribution Monday 14 April 2025 00 UTC

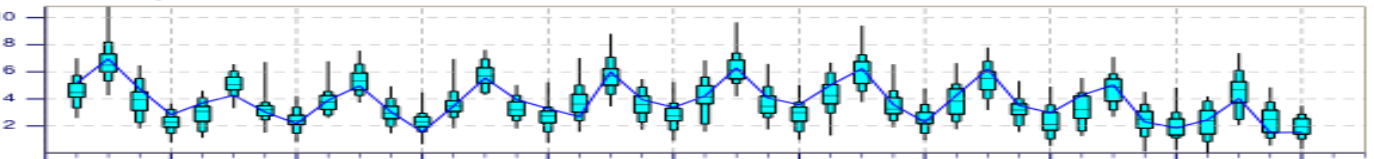
Total Cloud Cover (okta)



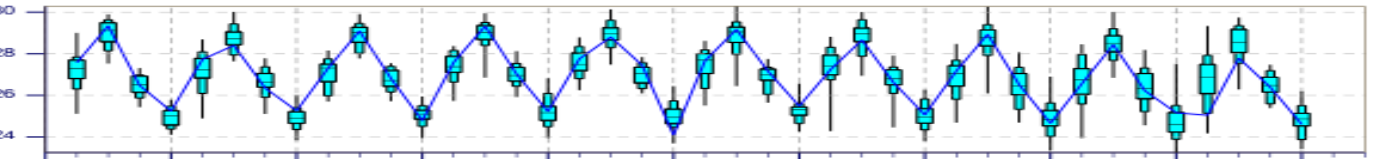
Total Precipitation₁(mm/6h)



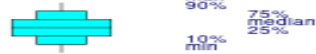
10m Wind Speed (m/s)



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

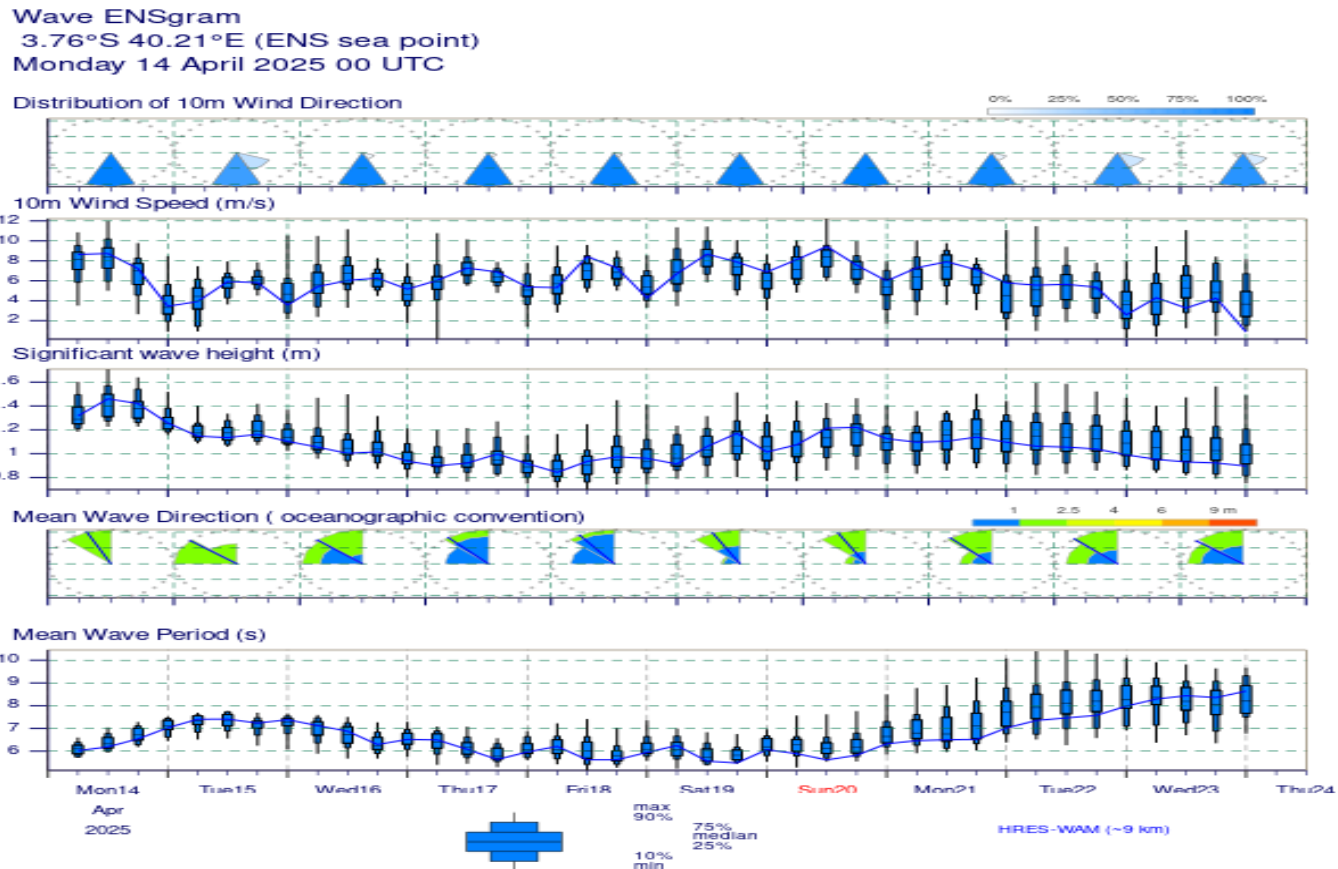


Mon14 Apr 2025 Tue15 Wed16 Thu17 Fri18 Sat19 Sun20 Mon21 Tue22 Wed23 Thu24



Model (~9 km)

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



The distribution of wind directions is south, throughout the 10 days forecast period, the wind speeds vary between 4 m/s and 9 m/s, the wave heights vary between 0.8 m and 1.4 m. The wave directions are Southerly (S) and the wave periods between 5 and 8 seconds