



REPUBLIC OF KENYA
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KENYA METEOROLOGICAL DEPARTMENT
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Date of Issue: 2ND SEPT 2024

MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 3RD – 9TH SEPTEMBER 2024

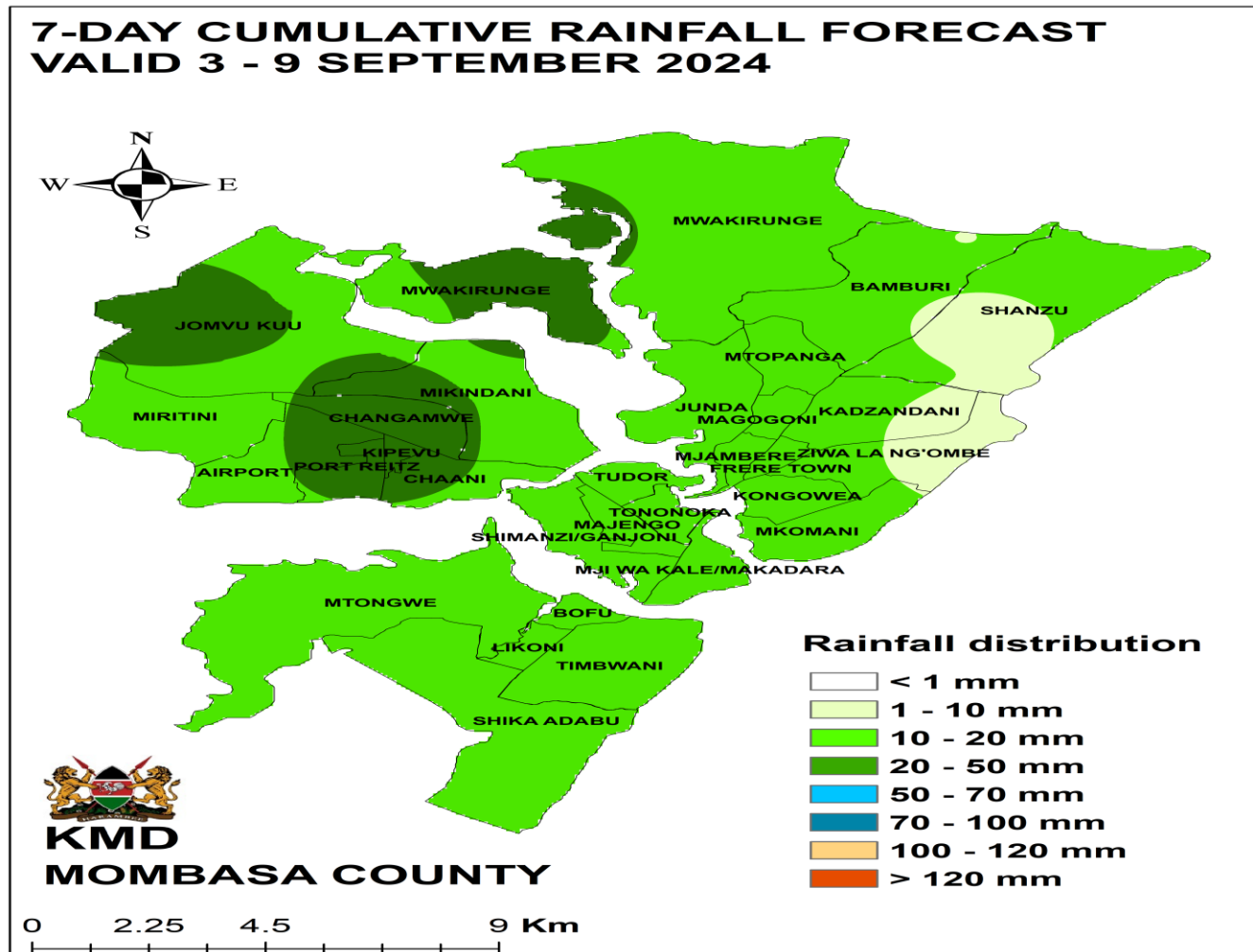
PART-I: Mombasa County Weekly Weather Outlook

- 1 Wet weather conditions will prevail throughout the forecast week with morning and afternoon showers experienced in most places. **Thursday and Friday** will experience significant showers.
 - 2 The expected range of daytime **MAXIMUM** temperature is 29- 30 °C; the average **MINIMUM** temperature will be around 24 °C.
 - 3 Winds are predominantly south easterly with strengths varying between 7 - 9 m/s (14 – 18 Kt) throughout the forecast period.
 - 4 Moderate Ocean conditions are expected to prevail throughout the forecast week with wave heights of between 1.2 m to 2.0 m (3.6 to 6.3 ft).
 - 5 Caution is however advised when carrying out marine activities.
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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 3/09/2024	Wed 4/09/2024	Thurs 5/09/2024	Fri 6/09/2024	Sat 7/09/2024	Sun 8/09/2024	Mon 9/09/2024
Rainfall	Morning	 Showers and Sunny intervals	 Cloudy and Sunny intervals	 Showers and Sunny	 Showers and Sunny intervals	 Cloudy and Sunny	 Showers and Sunny	 Cloudy and Sunny
	Afternoon	 Cloudy Sunny intervals	 Cloudy and Sunny	 Cloudy and Sunny	 Light showers	 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	 A Few places	 Several places	 A few places	 A few places	 Several places
Temperature	Maximum	30 °C	29 °C	29 °C	29 °C	29 °C	29 °C	30 °C
	Minimum	25 °C	24 °C	24 °C	24 °C	24 °C	24 °C	25 °C
Humidity	Maximum	82 %	82 %	85 %	85 %	85 %	86 %	85 %
	Minimum	72 %	73 %	75 %	75 %	76 %	76 %	73 %
Wind Maximum	Speed & Direction	South @ 09 m/s	South East @09 m/s	South East @08 m/s	South East @08 m/s	South @ 07 m/s	South East @ 07 m/s	South East @ 07 m/s
Significant Ocean wave height		1.2 – 1.8 m Moderate	1.5 – 1.8 m Moderate	1.4 – 1.8 m Moderate	1.6 – 2.0 m Moderate	1.6 – 2.0 m Moderate	1.8 – 2.0 m Moderate	1.8 – 2.0 m Moderate

PART-III: WEEKLY PRECIPITATION DISTRIBUTION MOMBASA COUNTY



PART IV: WEATHER SYMBOLS

Key for Marine Hazard Symbols

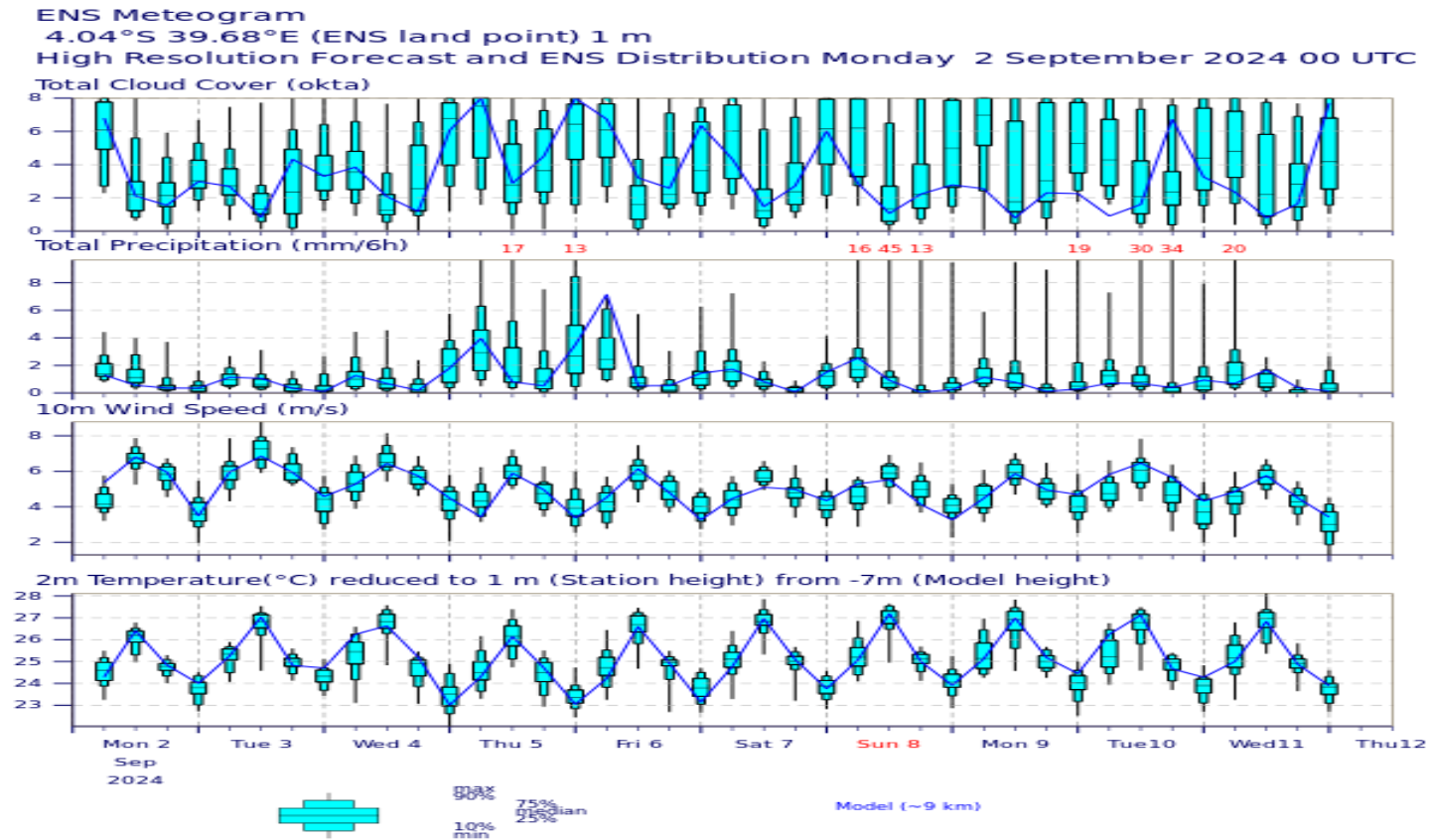
WAVE HEIGHT RANGE (Metres)		DESCRIPTION	IMPACT
0.5 – 1.0		SLIGHT SEA STATE	Conditions suitable for Marine activities
1.1 – 2.0		MODERATE SEA STATE	
2.1 – 3.0		ROUGH	
>3.0		VERY ROUGH	
Conditions suitable for Marine Activities			
Caution required when operating Marine Activities in deep seas (Significant high waves)			
Warning in Place (Sea significantly Rough)			
WIND	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

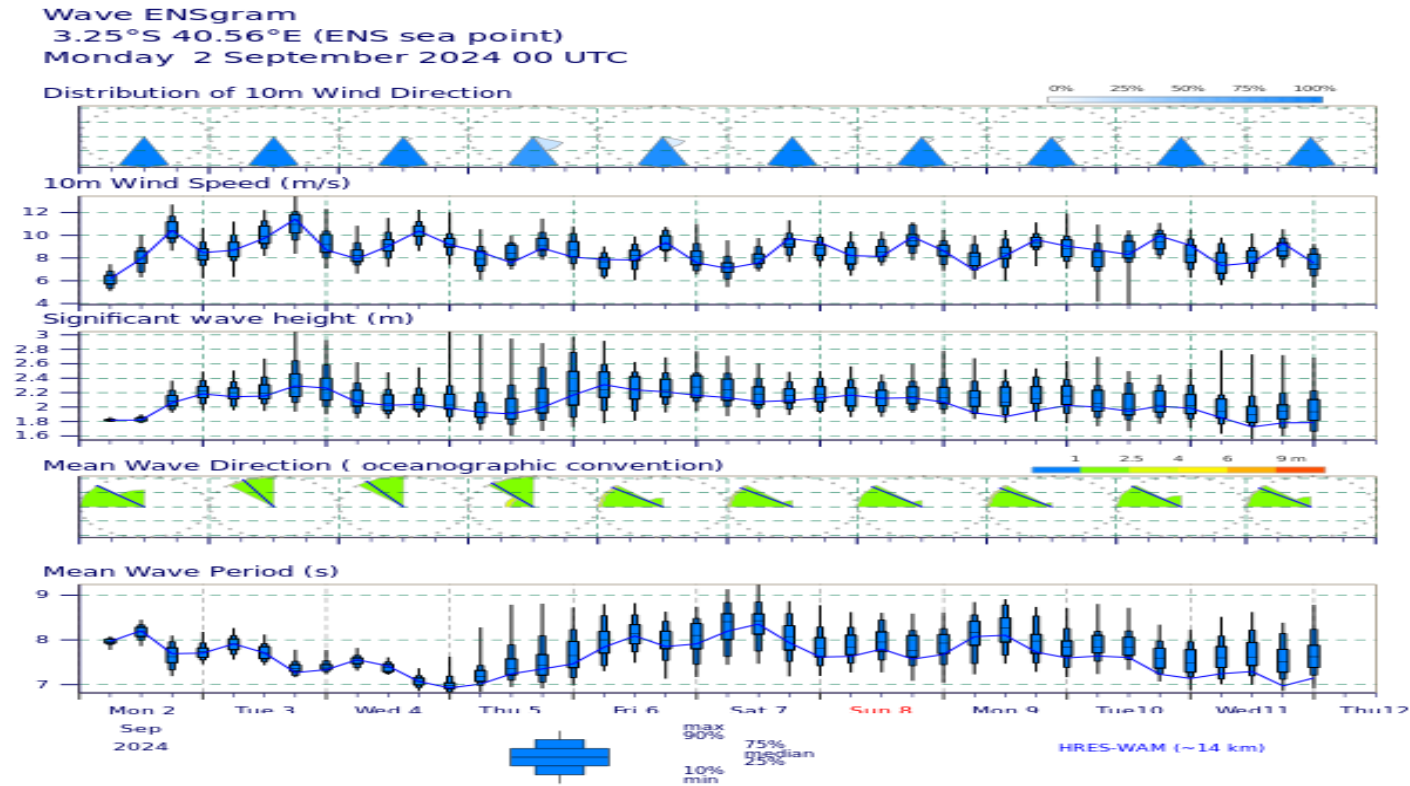
ADDITIONAL INFORMATION

10 DAYS FORECASTS FOR WINDS, PRECIPITATIONS AND TEMPERATURE IN MOMBASA



SIGNIFICANT PRECIPITATIONS EXPECTED ON THURSDAY AND FRIDAY

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



The distribution of wind directions is Southerly throughout the 10 days forecast period, the wind speeds vary between 7 m/s and 12 m/s, the wave heights vary between 1.8 m and 2.5 m. The wave directions are southeasterly (SE) and the wave periods between 7 and 9 seconds.