



**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**  
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*Our Ref: MET/MSA-CNTY/WK1OCTOBER2024*

*Date of Issue: 30<sup>TH</sup> SEPT 2024*





























## **MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 1<sup>th</sup> - 7<sup>th</sup> OCTOBER 2024**

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

- 1 Dry conditions will dominate throughout the forecast week with a few places experiencing showers in the morning, especially over the weekend (Saturday and Sunday)
  - 2 The expected range of daytime MAXIMUM temperature is 30- 31 °C; the average MINIMUM temperature will be around 25 °C.
  - 3 Wind strength will vary between 7 - 8 m/s (14 – 16 Kt) throughout the forecast period.
  - 4 Light to Moderate Ocean conditions will prevail throughout the forecast week with wave heights of between 0.8 m to 2.0 m (2.4 to 6.0 ft).
  - 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 1/10/2024	Wed 2/10/2024	Thurs 3/10/2024	Fri 4/10/2024	Sat 5/10/2024	Sun 6/10/2024	Mon 7/10/2024
Rainfall	Morning	 Cloudy and Sunny	 Light showers and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Light showers and Sunny	 Light showers and Sunny	 Cloudy and Sunny
	Afternoon	 Cloudy Sunny intervals	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny intervals	 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	 Few places	 Several places	 Several places
Temperature	Maximum	30 °C	31 °C	31 °C	30 °C	31 °C	31 °C	31 °C
	Minimum	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C	26 °C
Humidity	Maximum	85 %	85 %	85 %	82 %	85 %	84 %	82 %
	Minimum	74 %	75 %	72 %	72 %	72 %	72 %	74 %
Wind Maximum	Speed & Direction	South East @ 4m/s	South East @ 5 m/s	South East @ 6 m/s	South East @ 7 m/s	South East @ 7 m/s	South @ 12 m/s	South @ 10 m/s
Significant Ocean wave height		0.8– 1.2 m Slight	1.0 – 1.2 m Slight	1.2 – 1.4 m Moderate	1.2 – 1.5 m Moderate	1.4 – 1.8 m Moderate	1.5 – 1.8 m Moderate	1.2 – 1.5 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	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	

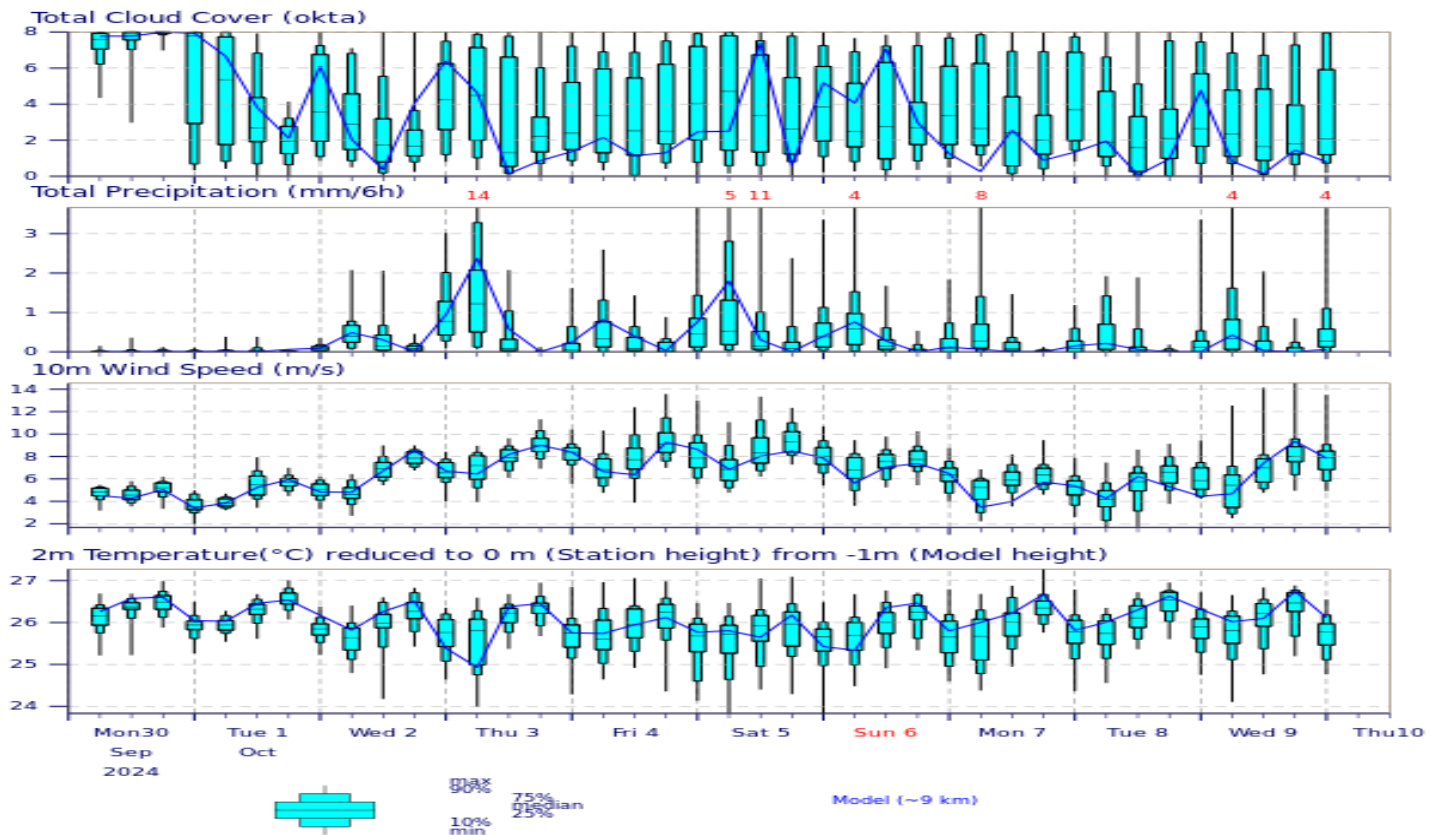
*Mr. Joseph Amollo*

County Director of Meteorological Services, Mombasa County

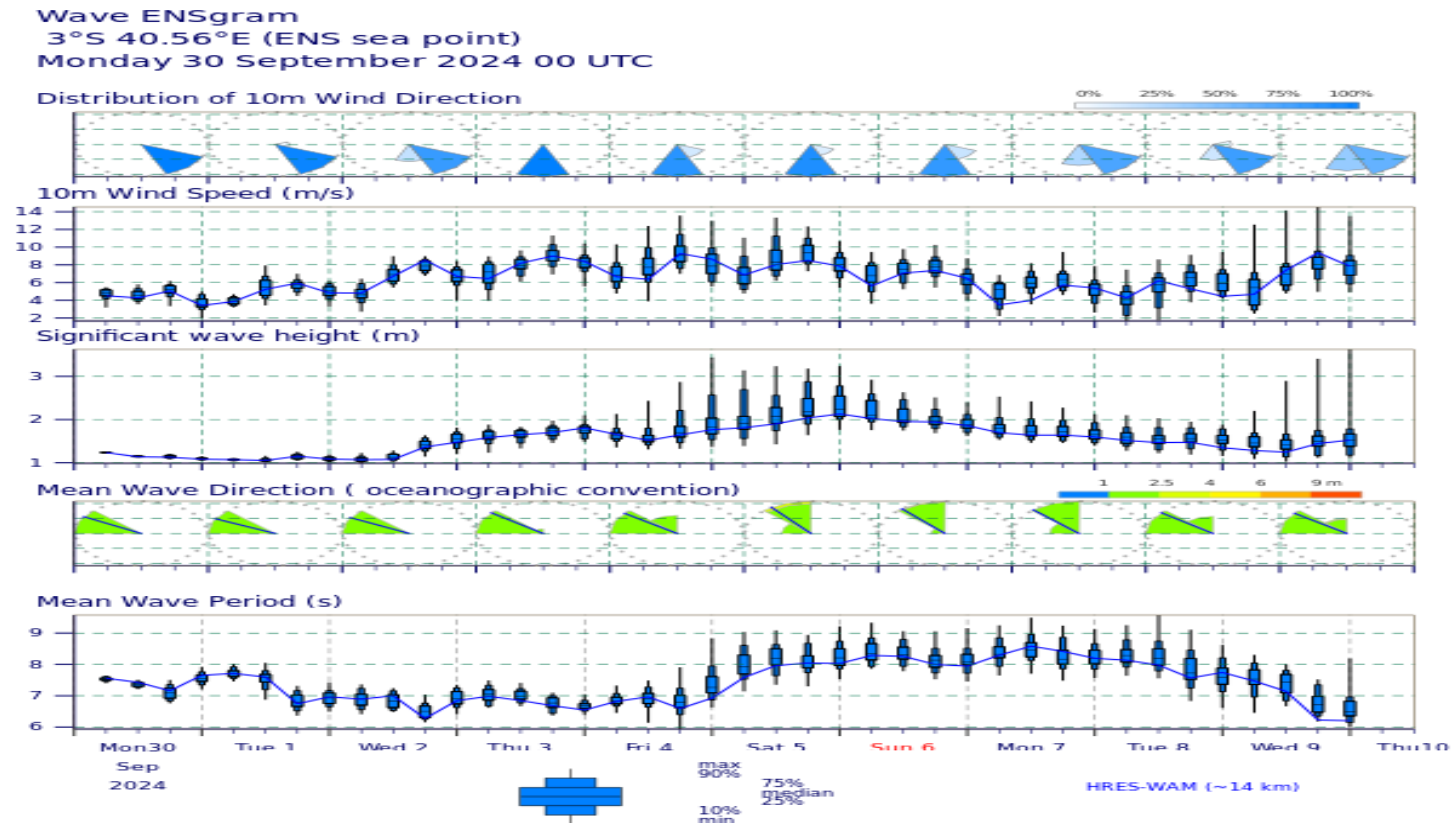
**ADDITIONAL INFORMATION**

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

ENS Meteogram  
2.99°S 40.51°E (ENS sea point) 0 m  
High Resolution Forecast and ENS Distribution Monday 30 September 2024 00 UTC



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



*The distribution of wind directions are southerly, throughout the 10 days forecast period, the wind speeds vary between 3 m/s and 8 m/s, the wave heights vary between 0.8 m and 2.0 m. The wave directions are southeasterly (SE) and the wave periods between 6 and 9 seconds*