



**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**  
**KENYA METEOROLOGICAL DEPARTMENT**  
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*Our Ref: MET/MSA-CNTY/WK4/MAY2024*

*Date of Issue: 27<sup>TH</sup> May 2024*





























## **MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 28<sup>th</sup> May - 3<sup>rd</sup> June 2024**

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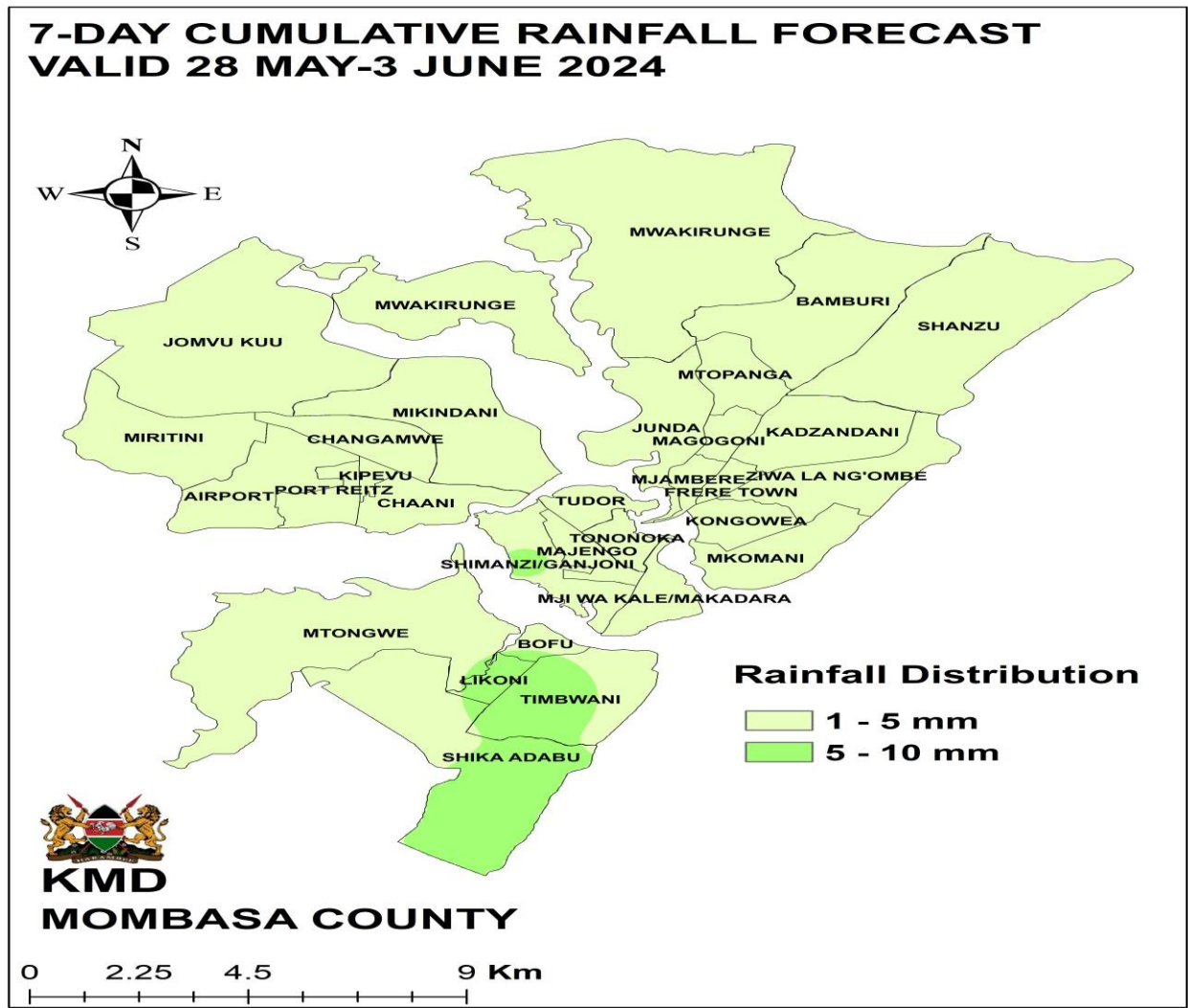
### **PART-I: Mombasa County Weekly Weather Outlook**

- 1 Dry conditions will dominate the forecast week with a few places experiencing showers in the morning.
  - 2 The expected range of daytime **MAXIMUM** temperature is 31- 32 °C; the average **MINIMUM** temperature will be around 26 °C.
  - 3 Wind strength will vary between 7 - 12 m/s (14 – 24 Kt) throughout the forecast period; significantly strong wind speeds (about 12 m/s) will be experienced at the beginning of forecast week (Tuesday and Wednesday).
  - 4 Moderate Ocean conditions will prevail throughout the forecast week with wave heights of between 1.0 m to 2.3 m (3.6 to 7.0 ft). Slightly rough seas will be experiences on Tuesday and Wednesday morning hours
  - 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 28/05/2024	Wed 29/05/2024	Thurs 30/05/2024	Fri 31/05/2024	Sat 1/06/2024	Sun 2/06/2024	Mon 3/06/2024
<b>Rainfall</b>	<b>Morning</b>	 Light showers	 Cloudy and Sunny	 Cloudy and Sunny	 Light Showers	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny
	<b>Afternoon</b>	 Cloudy Sunny intervals	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny intervals	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny
	<b>Night</b>	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly cloudy	 Partly Cloudy	 Partly Cloudy
	<b>Distribution</b>	 Few places	 several Places	 Few places	 Few places	 Few places	 Few places	 Few places
<b>Temperature</b>	<b>Maximum</b>	32 °C	31 °C	32 °C	30 °C	32 °C	31 °C	31 °C
	<b>Minimum</b>	26 °C	26 °C	26 °C	26 °C	26 °C	26 °C	26 °C
<b>Humidity</b>	<b>Maximum</b>	78 %	75 %	78 %	85 %	85 %	80 %	84 %
	<b>Minimum</b>	71 %	71 %	69 %	75 %	80 %	72 %	73 %
<b>Wind Maximum</b>	<b>Speed &amp; Direction</b>	Southerly @ 12m/s	Southerly @12 m/s	Southerly @ 11 m/s	Southerly @ 11 m/s	Southerly @ 8 m/s	Southerly @ 8 m/s	South @ 7 m/s
<b>Significant Ocean wave height</b>		2.2– 2. m Slightly Rough	2.1 – 2.5 m Slightly Rough	1.6 – 2.0 m Moderate	1.5 – 1.8 m Moderate	1.2 – 1.7 m Moderate	1.2 – 1.5 m Moderate	1.2 – 1.5 m Moderate

### PART III: WEEKLY CUMULATIVE RAINFALL DISTRIBUTION



## 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	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 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	

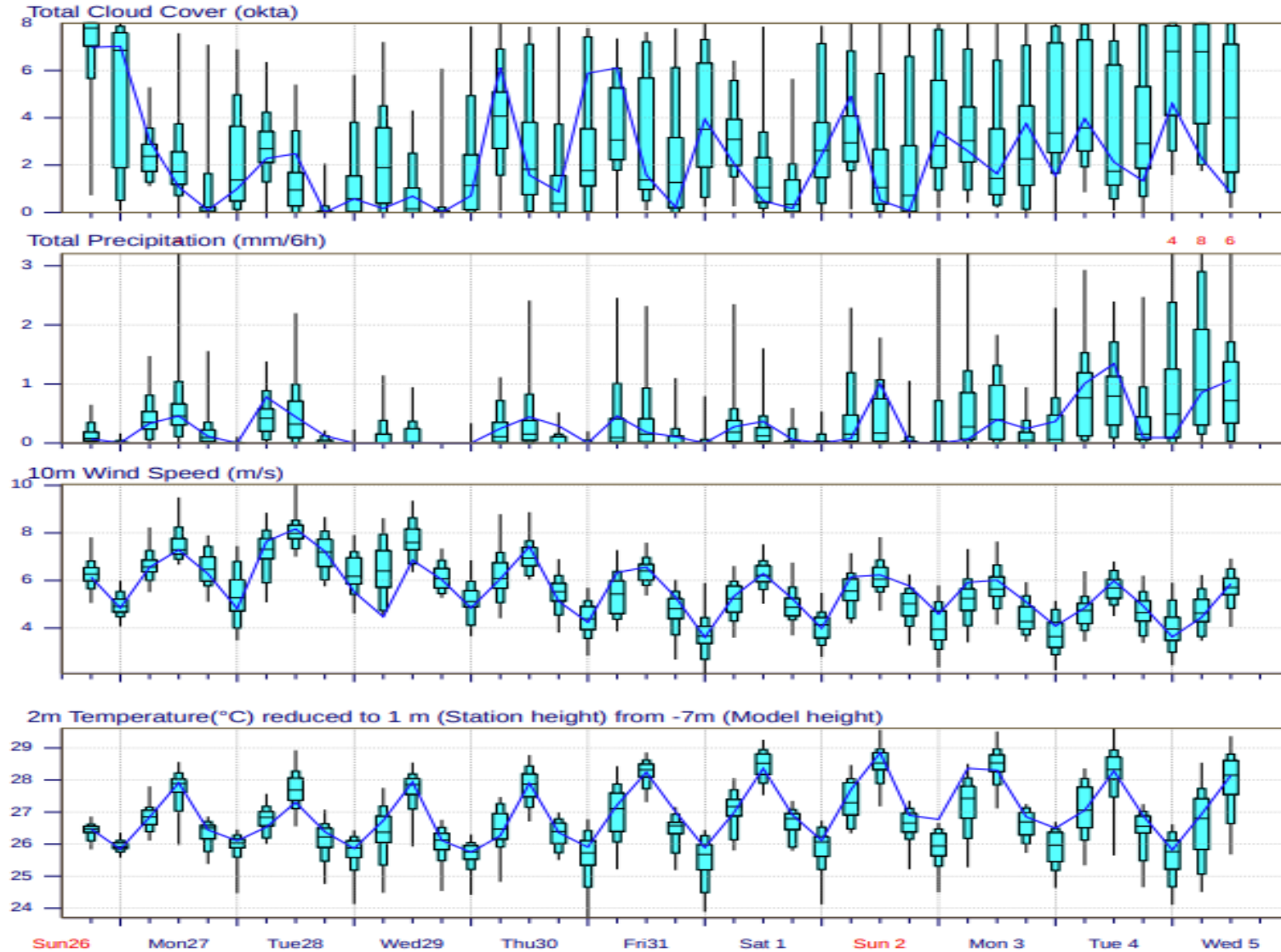
*Mr. Joseph Amollo*

County Director of Meteorological Services, Mombasa County

## ADDITIONAL INFORMATION

### 10 DAYS FORECASTS FOR WINDS, PRECIPITATIONS AND TEMPERATURE

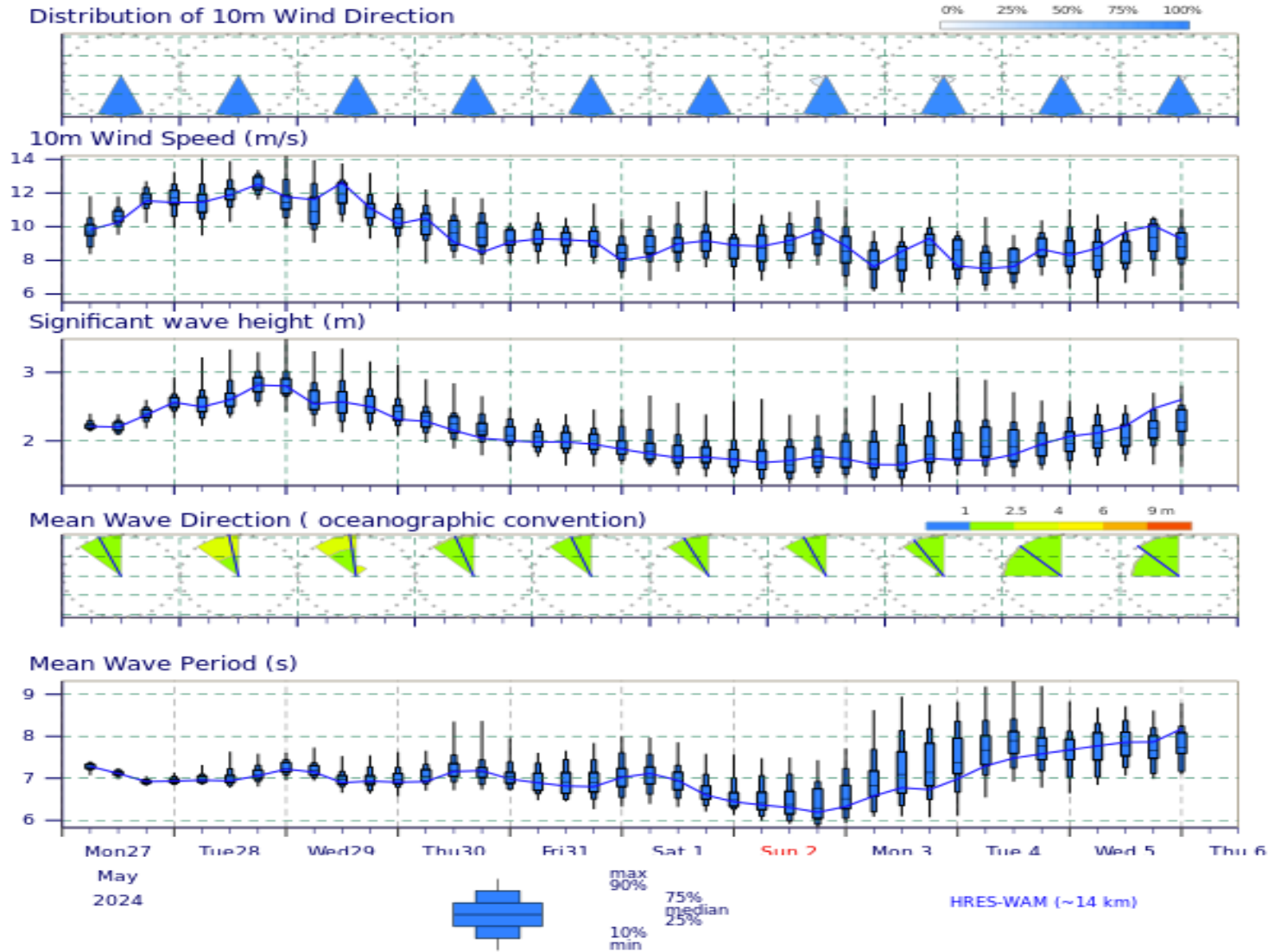
Old Mombasa - Coast - Kenya 4.04°S 39.68°E (ENS land point) 1 m  
High Resolution Forecast and ENS Distribution Sunday 26 May 2024 12 UTC



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

Wave ENSgram  
 2.88°S 41.56°E (ENS sea point)  
 Monday 27 May 2024 00 UTC

Distribution of 10m Wind Direction



*The winds are from south (S) throughout the 10 days forecast period, the wind speeds vary between 7 m/s and 13 m/s, the wave heights vary between 1.2 m and 2.5 m. The wave directions are southeasterly (SE)*