



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT
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MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 30th JULY– 5TH AUGUST 2024

PART-I: Mombasa County Weekly Weather Outlook

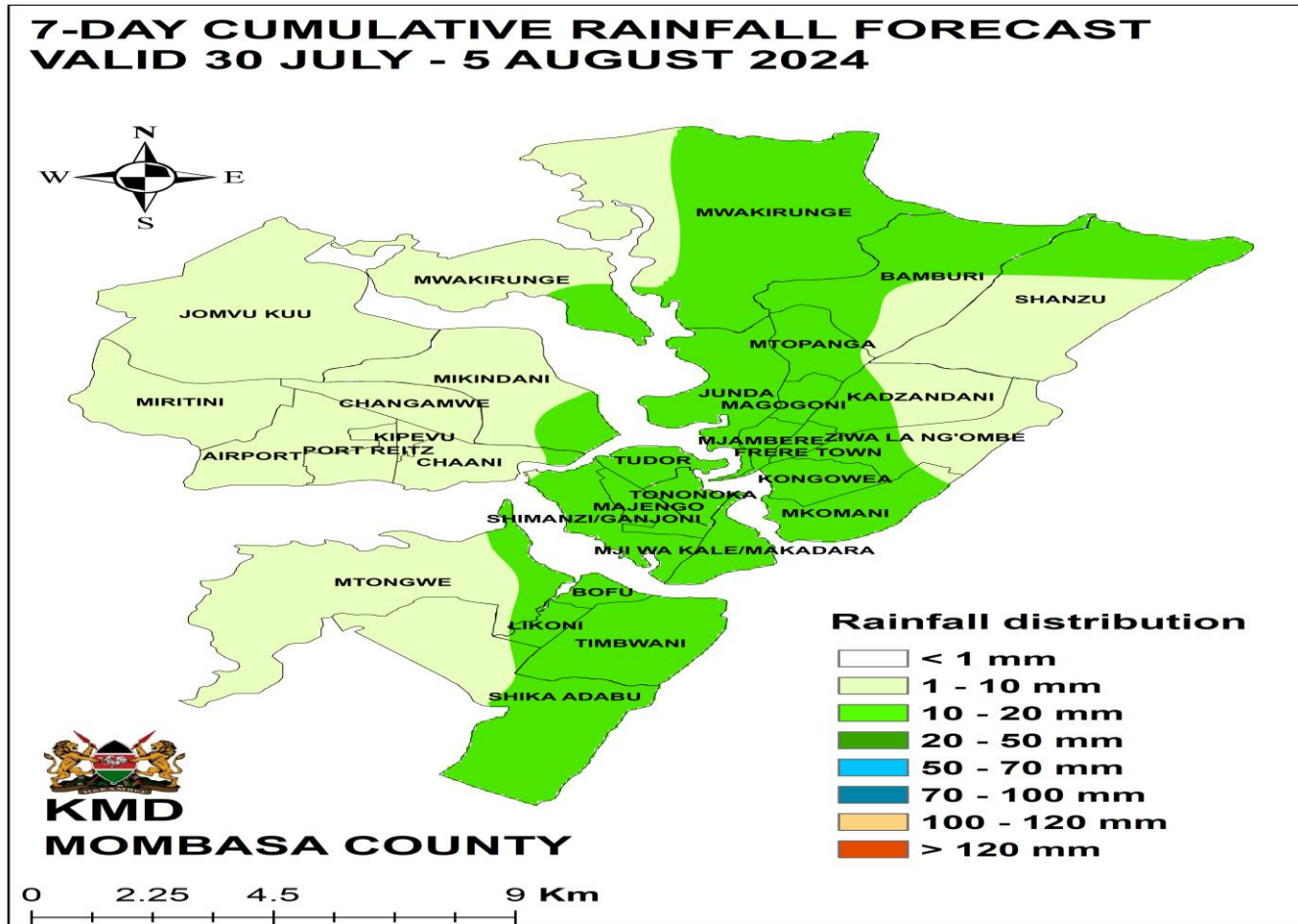
- 1 The week will experience mixed weather with some days experiencing morning showers in several places and other days dry. Thursday the 1st is expected to experience significant rainfall
- 2 The expected range of daytime MAXIMUM temperature is 30- 31 °C; the average MINIMUM temperature will be around 25 °C.
- 3 Winds are predominantly southerly with strengths varying between 7 - 11 m/s (14 – 22 Kt) throughout the forecast period.
- 4 Moderate Ocean conditions will prevail throughout the forecast week with wave heights of between 1.2 m to 2.2 m (3.8 to 6.8 ft).

5 CAUTIONS IS HOWEVER ADVISED WHILE CONDUCTING MARINE ACTIVITIES IN DEEP SEAS THROUGHOUT THE WEEK

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 30/07/2024	Wed 31/07/2024	Thurs 01/08/2024	Fri 02/08/2024	Sat 03/08/2024	Sun 04/08/2024	Mon 05/08/2024
Rainfall	Morning	 Light Showers and Sunny	 Light Showers and Sunny	 Showers and Cloudy	 Cloudy and Sunny	 Cloudy and Sunny	 Showers 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	 Few Places	 A Few places	 Several places	 Several places	 A few places	 Several places
Temperature	Maximum	31 °C	30 °C	30 °C	31 °C	31 °C	30°C	31 °C
	Minimum	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C	26 °C
Humidity	Maximum	83 %	83 %	85 %	80 %	80 %	80 %	80 %
	Minimum	75 %	72 %	75 %	70 %	70 %	75 %	74 %
Wind Maximum	Speed & Direction	South East @ 07 m/s	South @08 m/s	South East @09 m/s	South East @07 m/s	South @ 11m/s	South @ 11 m/s	South @ 11 m/s
Significant Ocean wave height		1.2 – 1.5 m Moderate	1.2 – 1.6 m Moderate	1.5 – 2.0 m Moderate	1.2 – 1.8 m Moderate	1.5 – 2.2 m Moderate	1.5 – 2.2 m Moderate	1.5 – 2.0 m Moderate

PART III: WEEKLY CUMULATIVE RAINFALL DISTRIBUTION



PART-IV: WEATHER SYMBOLS

Key for Marine Hazard Symbols

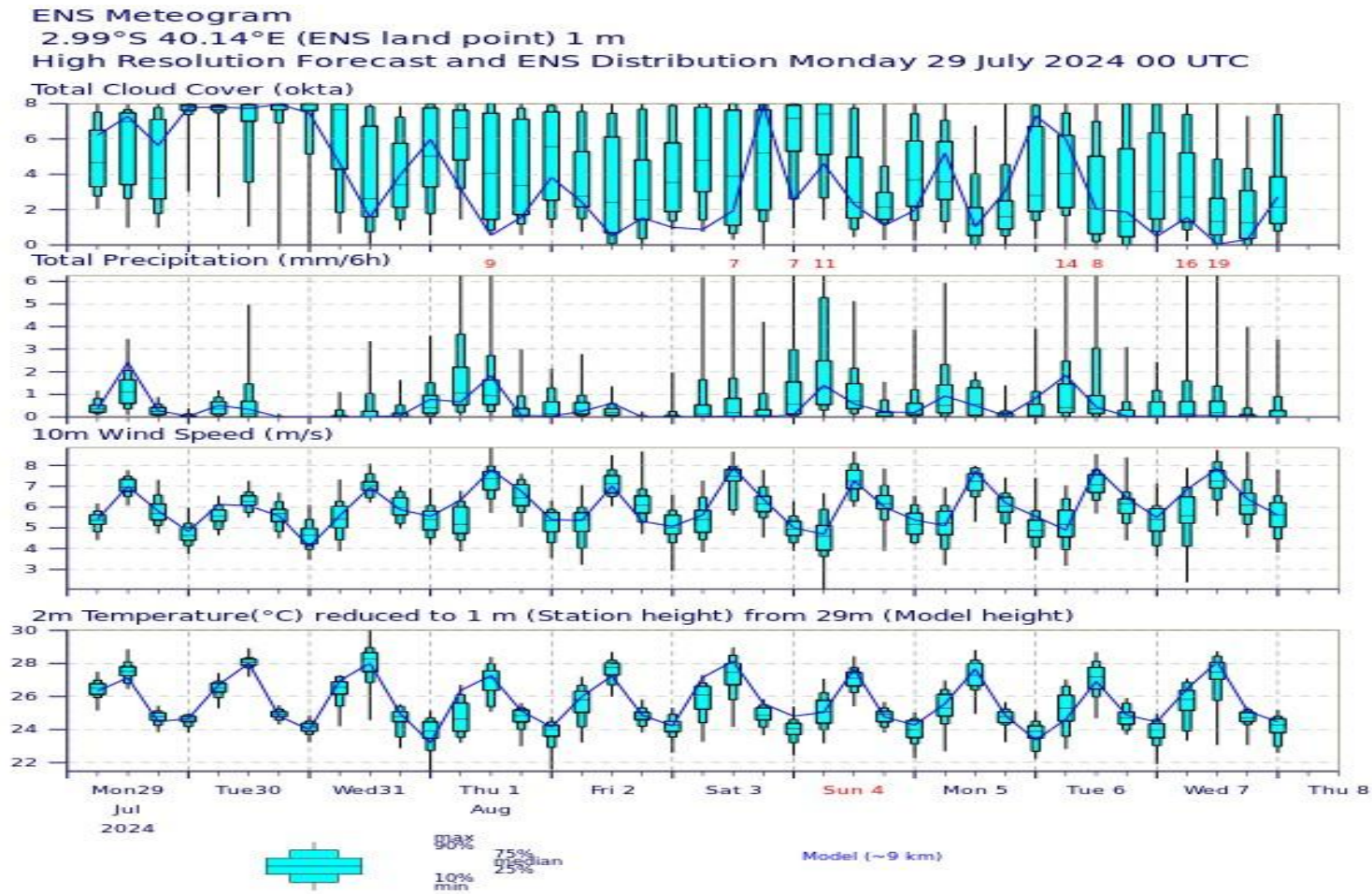
WAVE HEIGHT RANGE (Metres)		DESCRIPTION	IMPACT
0.5 – 1.0		SLIGHT SEA STATE	Conditions suitable for Marine activities
1.1 – 2.0		MODERATE SEA STATE	
2.1 – 3.0		ROUGH	
>3.0		VERY ROUGH	
Conditions suitable for Marine Activities			
Caution required when operating Marine Activities in deep seas (Significant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



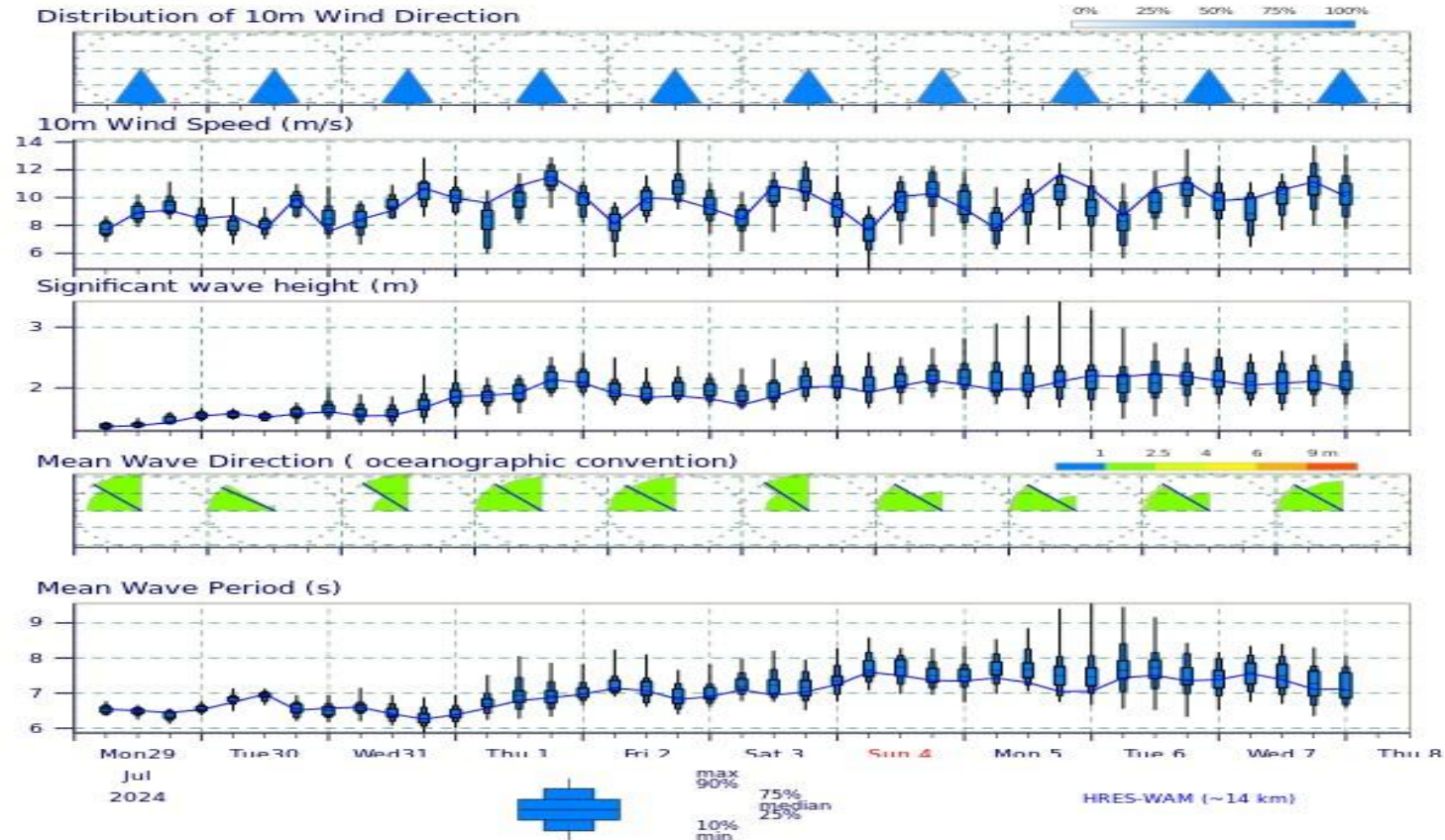
Significant precipitation is likely to be experienced on Thursday and Sunday

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

Wave ENSgram

3.13°S 40.31°E (ENS sea point)

Monday 29 July 2024 00 UTC



The distribution of wind directions is South throughout the 10 days forecast period, the wind speeds vary between 7 m/s and 11 m/s, the wave heights vary between 1.2 m and 2.2 m. The wave directions are southeasterly (SE) and the wave periods between 6 and 8 seconds.