



REPUBLIC OF KENYA
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MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 23RD – 29TH JULY 2024

PART-I: Mombasa County Weekly Weather Outlook

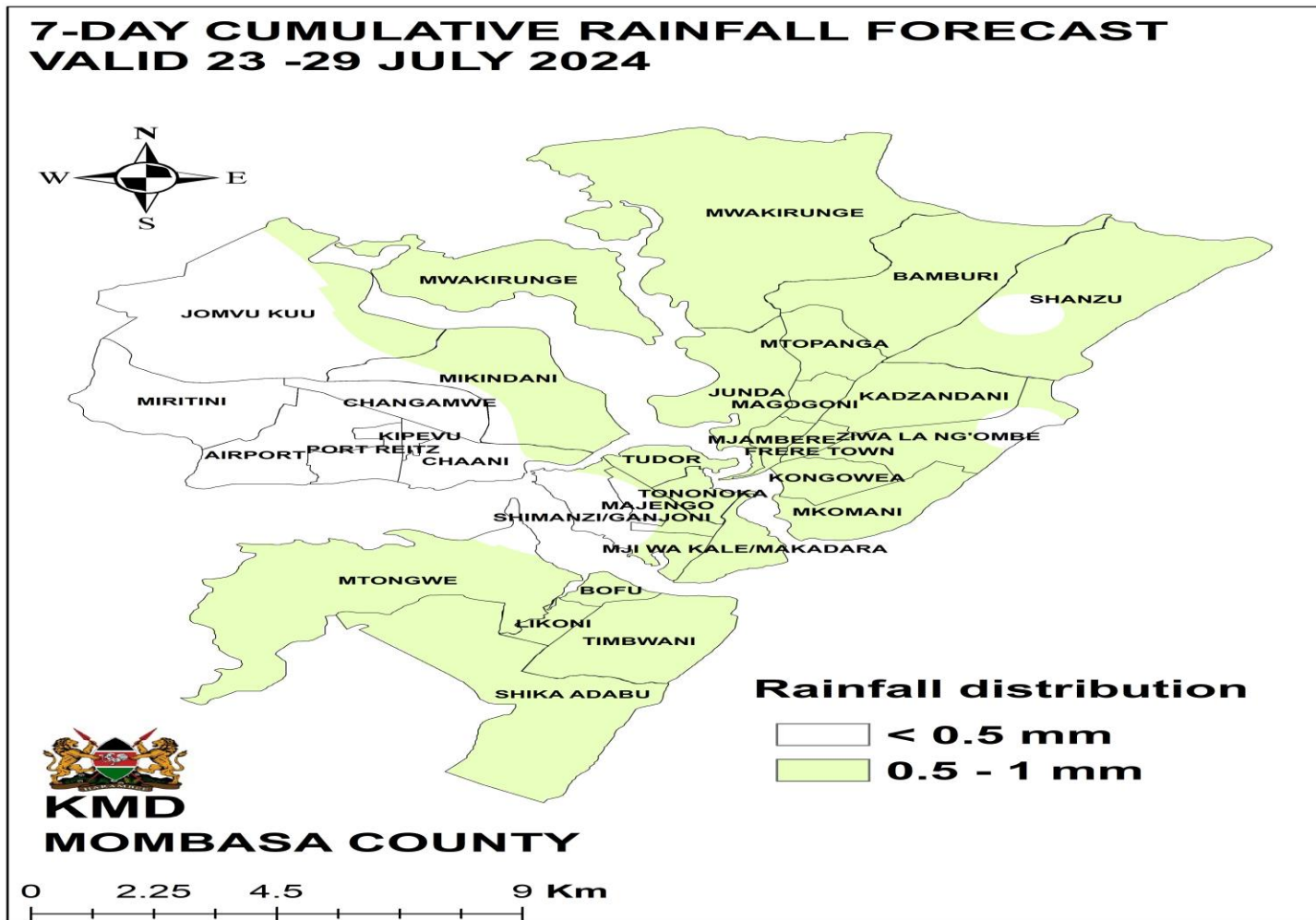
- 1 Dry conditions are expected throughout the forecast week with few places experiencing showers in the morning.
- 2 The expected range of daytime MAXIMUM temperature is 30- 31 °C; the average MINIMUM temperature will be around 25 °C.
- 3 Winds are from south-to-South East with strengths varying between 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 2.0 m (3.8 to 6.5 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 23/07/2024	Wed 24/07/2024	Thurs 25/07/2024	Fri 26/07/2024	Sat 27/07/2024	Sun 28/07/2024	Mon 29/07/2024
Rainfall	Morning	 Light Showers and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Light 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	 Several places	 Several places	 Few places	 A few places	 Several places
Temperature	Maximum	30 °C	30 °C	31 °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	85 %	85 %	80 %	80 %	80 %	80 %	80 %
	Minimum	75 %	75 %	70 %	70 %	70 %	75 %	74 %
Wind Maximum	Speed & Direction	South @ 08 m/s	South East @08 m/s	South East @07 m/s	South East @07 m/s	South @ 11m/s	South @ 11 m/s	South @ 9 m/s
Significant Ocean wave height		1.2 – 1.8 m Moderate	1.2 – 1.8 m Moderate	1.2 – 1.8 m Moderate	1.2 – 1.8 m Moderate	1.5 – 2.0 m Moderate	1.5 – 2.0 m Moderate	1.5 – 2.0 m Moderate

PART III: WEEKLY CUMULATIVE RAINFALL DISTRIBUTION



PART-IV: WEATHER SYMBOLS

Key for Marine Hazard Symbols

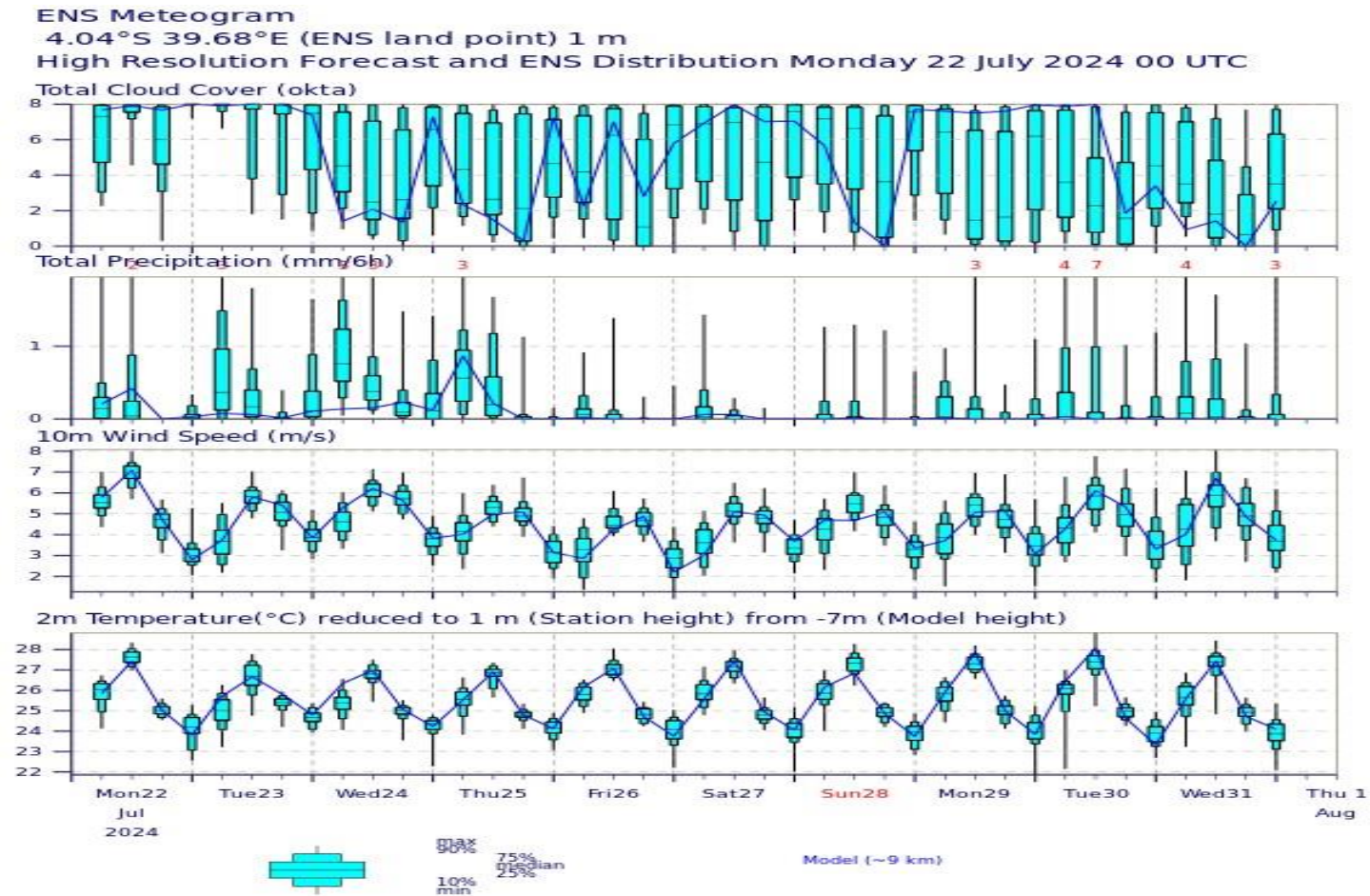
WAVE HEIGHT RANGE (Metres)		DESCRIPTION	IMPACT
0.5 – 1.0		SLIGHT SEA STATE	Conditions suitable for Marine activities
1.1 – 2.0		MODERATE SEA STATE	
2.1 – 3.0		ROUGH	
>3.0		VERY ROUGH	Caution when operating marine activities Warning in place!!!! Warning in place on marine activities
Conditions suitable 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

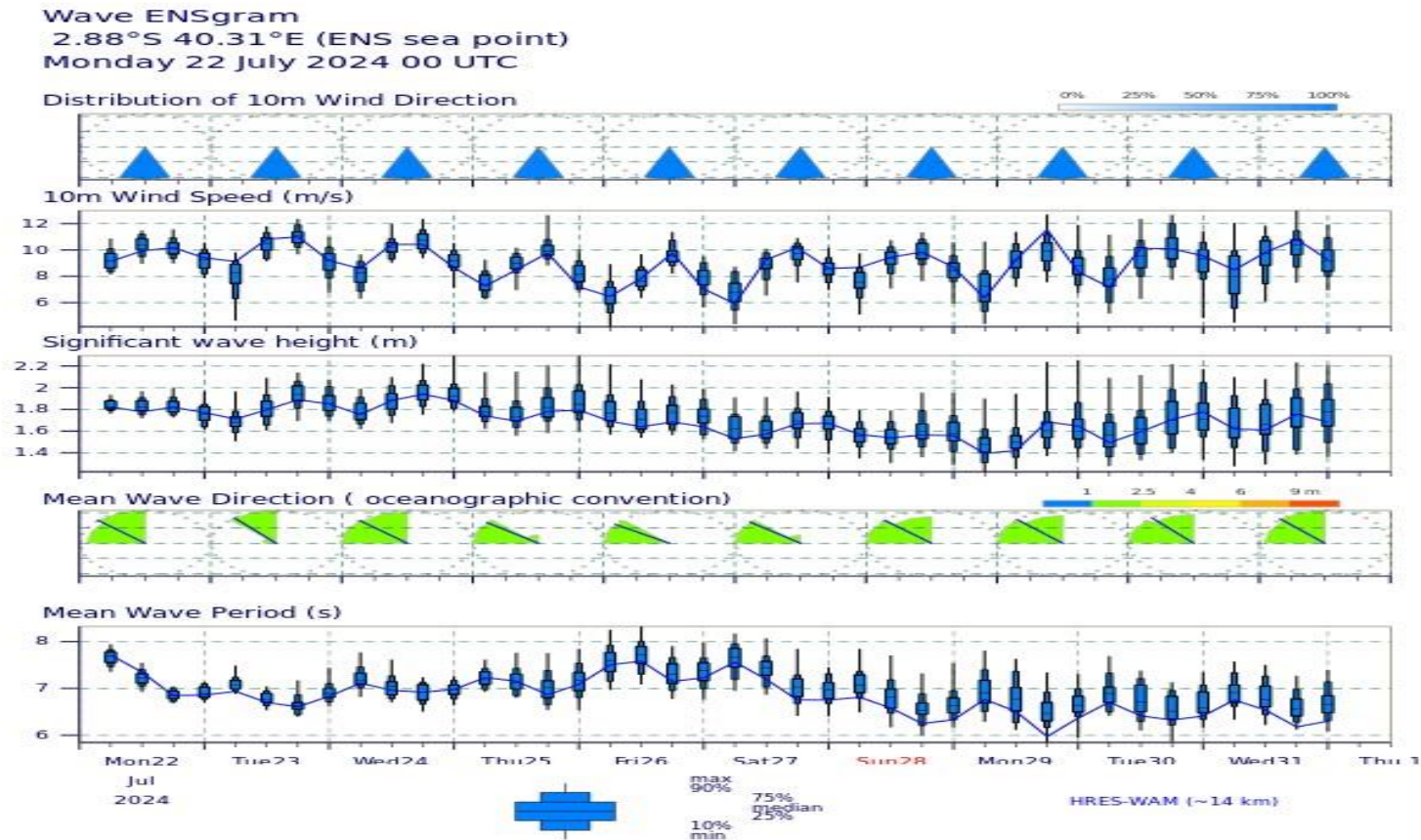
ADDITIONAL INFORMATION

10 DAYS FORECASTS FOR WINDS, PRECIPITATIONS AND TEMPERATURE IN MOMBASA



No significant precipitation during the forecast period except some light showers on Tuesday

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



The distribution of wind directions is South to south East, throughout the 10 days forecast period, the wind speeds vary between 6 m/s and 11 m/s, the wave heights vary between 1.5 m and 2.0 m. The wave directions are southeasterly (SE) and the wave periods between 6 and 8 seconds.