

## Five-Day Weather Forecast for the Period:

8<sup>th</sup> – 12<sup>th</sup> July 2025

**DATE:** 07/07/2025

**ISSUANCE TIME:** 1:00pm

| Brief Synopsis  |
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| <p><b>Synopsis and 5-day outlook</b></p> <p>Partly cloudy to cloudy periods with a medium to high chance for the development of isolated heavy showers or thunderstorms.</p> <p>Surface convergence and equatorial moisture build up, associated with a tropical wave passing Thursday (10th) night into Friday (11th), are expected to produce partly cloudy to at times cloudy periods, with a medium chance for the development of isolated heavy showers or thunderstorms.</p> <p>In between the passing of the axes of the tropical waves, there is likely to be a brief northward modulation of surface convergence associated with the ITCZ, which can enhance instability and produce conditions for the development of isolated heavy showers or an isolated thunderstorm over Trinidad and Tobago and the Windward Islands.</p>   |
| The 5 Day Outlook Period  |
| <ul style="list-style-type: none"> <li> <b>Tuesday (08th), Trinidad and Tobago and the Windward Islands:</b> From overnight into early morning, convergence and equatorial moisture build up are likely to approach from the southeast. Initially heavy showers and thunderstorm activity are expected over Tobago, north-east Trinidad, and the eastern to south-eastern coastal and offshore areas of Trinidad and Tobago. Eventually, isolated heavy showers are expected to develop over land with medium chances for thunderstorm activity further inland in Trinidad and the other Windward Islands. Abatement is likely by late afternoon but with lingering showers in a few areas. <b>The remainder of the Lesser Antilles:</b> Among generally fair conditions, patches of cloudiness are likely to produce a few brief showers, favouring the northern Leeward Islands, with a low chance for a brief moderate or heavy shower near hilly areas. </li> </ul> |



## Trinidad & Tobago Meteorological Service

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- **Wednesday (09th), Trinidad and Tobago and the southern Windward Islands:** Partly cloudy periods are likely during the morning with a medium chance for an isolated heavy shower or thunderstorm. During the late morning to early afternoon, there is also a medium to high chance for isolated heavy showers or thunderstorm activity to favour Trinidad, especially from central to north western areas. **The remainder of the Lesser Antilles:** Generally, fair conditions with brief showers favouring hilly areas are likely.
- **Thursday (10th), Trinidad and Tobago and the Windward Islands:** Partly cloudy periods are likely to interrupt otherwise fair conditions, with brief showers in a few areas. There is a low to medium chance for an isolated heavy shower during the afternoon. **The remainder of the Lesser Antilles:** Generally, fair conditions with brief showers favouring hilly areas are likely.
- **Friday (11th) Trinidad and Tobago and the Windward islands:** From overnight into the mid-afternoon, convergence and equatorial moisture build up from north Trinidad to Tobago and northward, as well as over the southern coastal and near offshore areas of Trinidad, will lead to partly cloudy to cloudy conditions. These conditions are expected to produce light to moderate showers, with a medium chance of isolated heavy showers or thunderstorm activity. **The remainder of the Lesser Antilles:** Generally, fair conditions with brief showers in a few areas are likely.
- **Saturday (12th), Trinidad and Tobago and the southern Windward Islands:** Fair conditions are likely to be interrupted by partly cloudy periods with light to moderate showers in a few areas. From late morning into early afternoon, there is a medium chance for an isolated heavy shower or thunderstorm to develop over Trinidad and a low to medium chance for an isolated heavy shower over Tobago and hilly areas. **The remainder of the Lesser Antilles:** Mostly fair with brief showers in a few areas are expected.



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### **Tropical waves and disturbances:**

The axis of the next tropical wave is presently located near 59W and is presently moving westward at approximately 10kt. The weather associated with this wave is expected to begin affecting Trinidad and Tobago and the Windward Islands by tomorrow morning (Tuesday, 08th).

The axis of a tropical wave is presently located near 43W and is moving westward near 10kt to 15kt and is likely to reach the Windward Islands by Thursday (10th) into Friday (11th).

The axis of a tropical wave in the eastern Atlantic is presently located near 27W, and it is moving westward at approximately 10kt. Presently there is some weak surface vorticity associated with this wave, but current data and analysis are not, at this time, indicating any further development.

### **Looking beyond this outlook period:**

Extended analysis for the seven (7) days following this outlook period indicates mostly intermittent periods of convergence and equatorial moisture advection over Trinidad and Tobago and the southern Windward Islands, giving mixed conditions with low to medium chances for localized isolated heavy showers or a thunderstorm.

**Seas:** The wind waves in the open waters to the near east and northeast of Trinidad and Tobago are at this time near 1.5m and are expected to remain so for this outlook period, peaking to just above 1.7m on Tuesday (8th) and Friday (11th).

Extended analysis is indicating that the wind wave heights for the seven (7) days following this outlook period are likely to be near 1.5m.

**Wind:** The wind in the near surface to the lower mid-level over Trinidad and Tobago and the Windward Islands (2000ft to 5000ft) is expected to be near 20kt to 25kt for most of this outlook period.

Present extended analysis for the following seven (7) days after this outlook period shows that the wind speed is likely to be near 15kt and occasionally between 15kt to 20kt. Between Thursday (10th) and Saturday (12th), at the 10,000ft level, there is expected to be a surge to 35kt to 40kt, and also from Tuesday (15th) to Friday (18th), another surge can be expected with speeds mostly between 35kt to 40kt, peaking to 42kt on Wednesday (16th). These surges in wind speed at the mid-level present the possibility for downward vectors to enhance the near-surface wind strength.



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**Dust:** The dust concentration in the atmosphere is presently mild. It is likely to fluctuate between mild and moderate until Thursday (10th), when there is expected to be an increase to mostly moderate for the remainder of this outlook period.

**Persons sensitive to the dust are advised to continue to take the necessary precautions.**

**The Trinidad and Tobago Meteorological Service continues to analyse and monitor all developments within the area of interest.**

**ISSUED BY: Gary Benjamin, Meteorological Forecaster**