

## Five-Day Weather Forecast for the Period:

12<sup>th</sup> – 16<sup>th</sup> July 2025

**DATE:** 11/07/2025

**ISSUANCE TIME:** 1:00pm

Brief Synopsis
<p><b>Synopsis and 5-day outlook</b></p> <p>On Saturday (12th), an elongated line of surface convergence and instability across Trinidad and Tobago and the Windward Islands is expected to produce partly cloudy periods during the morning to mid-afternoon with a medium chance for a heavy shower and a low chance for an isolated thunderstorm.</p> <p>On Monday (14th), a weak, low-level trough, mainly over Trinidad and Tobago, is likely to produce partly cloudy periods with a few light to moderate showers over varying areas.</p> <p>A tropical wave on Wednesday (16th) passes with most of the cloudiness, showers, and medium chances for thunderstorms to pass from the near north of Tobago mainly across the Windward Islands.</p>
The 5 Day Outlook Period
<p><b>Saturday (12th) Trinidad and Tobago and the southern Windward islands:</b> An elongated line of surface convergence and instability across Trinidad and Tobago and the Windward Islands is expected to produce partly cloudy periods during the morning to mid-afternoon with a medium chance for a heavy shower and a low chance for an isolated thunderstorm. <b>The remainder of the Lesser Antilles:</b> It is expected to be mostly fair with brief showers in a few areas.</p> <p><b>Sunday (13th) Trinidad and Tobago and the remainder of the Lesser Antilles:</b> Fair conditions are likely to be interrupted at times, with weak, low-level convergence and patches of moisture advection producing a few light to moderate showers in some areas. There is a medium chance for an isolated heavy shower during the afternoon, favouring hilly areas and Trinidad.</p>



## Trinidad & Tobago Meteorological Service

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**Monday (14th) Trinidad and Tobago:** A weak, low-level trough is likely to produce partly cloudy periods with a few light to moderate showers over varying areas and a low chance for an isolated heavy shower during the afternoon. **The remainder of the Lesser Antilles:** Partly cloudy periods during the morning with light to moderate showers over varying areas and a low to medium chance for isolated heavy showers favouring hilly areas, becoming fair during the afternoon, are expected.

**Tuesday (15th) Trinidad and Tobago:** Low-level equatorial convergence during the morning is expected to produce a few light to moderate showers with a low chance for an isolated heavy shower, becoming mostly fair by afternoon. **The remainder of the Lesser Antilles:** Convergence ahead of an approaching tropical wave is expected to produce partly cloudy periods, becoming cloudy in a few areas, with light to moderate showers over varying areas and a low to medium chance for isolated heavy showers and a low chance for an isolated thunderstorm.

**Wednesday (16th) Trinidad and Tobago:** Generally, fair conditions with brief showers in a few areas are expected. For Trinidad, there is a low chance for an isolated heavy shower during the afternoon. For Tobago, because of the near proximity of conditions associated with a tropical wave, there is likely a low chance for an isolated heavy shower or thunderstorm to develop over northeast Tobago. **The remainder of the Lesser Antilles:** A tropical wave is expected to produce partly cloudy to cloudy periods, with light to moderate showers over varying areas and medium to high chances for a few heavy showers and isolated thunderstorms.

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

The recently passed axis of a tropical wave has left an elongated line of surface convergence and instability mostly across Tobago and the Windward Islands. This convergence is expected to drift southward to include Trinidad by Saturday (12th), during the morning to mid-afternoon.

The axis of a tropical wave is presently located near 39W, and is moving west at approximately 15kt to 20kt at this time. It is possible for this forward motion to vary as the wave travels westward. Analysis is showing an area of low pressure and moderate vorticity associated with this wave, but model projections are indicating that this vorticity is likely to weaken by the time it reaches the Windward Islands by Wednesday (16th). The Trinidad and Tobago Meteorological Service will continue to closely monitor this development.

A tropical wave is analysed near 24W and is moving westward at around 10kt. While this wave is showing moderate to strong vorticity at this time, further analysis shows that this vorticity it is likely to quickly weaken within the next 24 to 36 hours as the wave travels across the tropical Atlantic.

**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 Windward Islands, giving mixed conditions with low to medium chances for localized isolated heavy showers or a thunderstorm. On Monday (21st), there is likely to be a passing surface trough, which could enhance the instability and produce increased cloudiness and showers.

**Seas:** The wind waves in the open waters to the near east and northeast of Trinidad and Tobago are at this time near 2.0m. Wave heights near 1.5m are likely for the remainder of this outlook period.

Extended analysis is indicating that the wind wave heights for the seven (7) days following this outlook period are likely to be between 1.5m to 2.0m.

**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 15kt most of this outlook period but strengthens to between 20kt to 25kt on Wednesday (16th).

The extended analysis for the following seven (7) days after this outlook period shows that the wind speed in the near surface to the lower mid-level over Trinidad and Tobago and the Windward Islands (2000ft to 5000ft) is likely to be between 20kt and 25kt on Thursday (17th) and thereafter reduce to near 15kt until Saturday (19th). From Sunday (20th), an increase to near 20kt is to be expected.

A surge in the wind speed at the 10,000ft level between Wednesday (16th) and Friday (18th) is expected, with peak speeds likely to be near 40kt. Also from Sunday (20th) to Wednesday (23rd), another surge can be expected with speeds mostly between 35kt to 40kt.

These surges in wind speed at the mid-level present the possibility for downward vectors to enhance the near-surface wind strength.

**Dust:** There are expected to be fluctuating levels of Saharan dust in the atmosphere for this outlook period, but they will be near moderate for most of the time.

**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.**



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