



# Launch Mission Execution Forecast



**Mission:** Falcon 9 Starlink 10-44  
**Issued:** 29-Mar-26 / 1415L (1815Z)  
**Valid:** 30-Mar-26 / 1715L - 2115L (2115Z – 30/0115Z)  
 31-Mar-26 / 1354L - 1754L (1754Z – 2154Z)

**Forecast Discussion:** Breezy conditions continue over the Spaceport today as winds behind the cold front linger. Mostly cloudy skies, gusty winds and isolated rain showers are expected this evening. By tomorrow, the elevated winds will trend downward to below liftoff constraints. Moist, low-level onshore flow will continue into tomorrow evening causing threats for the Cumulus Cloud Rule and the Think Cloud Layers Rule violations during the primary launch window. Isolated thunderstorms are also possible as residual instability from the stalled front along with afternoon sea breeze effects may enhance shower development.

For the backup day, conditions marginally improve as moisture coverage and depth decrease over central Florida. The primary concern is the Cumulus Cloud Rule as southeasterly flow will continue to push low-level Atlantic cumulus onshore.

Launch Day	Probability of Violating Weather Constraints <sup>1</sup>					
	<b>30%</b>	Primary Concerns: Cumulus Cloud Rule , Surface Electric Fields Rule , Thick Cloud Layers Rule				
	Weather Conditions				Additional Risk Criteria <sup>2</sup>	
	<b>Weather/Visibility:</b> Sct Showers / 7+ mi	<b>Clouds</b> Type Coverage Base (ft) Tops (ft)			<b>Booster Recovery Weather:</b> Low	
<b>Temp/Humidity:</b> 75°F / 75%	Cumulus	Broken	2,500	14,000	<b>Solar Activity:</b> Low	
<b>Liftoff Winds (200'):</b> 100° 15 - 20 mph						
24-Hour Delay	Probability of Violating Weather Constraints <sup>1</sup>					
	<b>20%</b>	Primary Concerns: Cumulus Cloud Rule , Thick Cloud Layers Rule				
	Weather Conditions				Additional Risk Criteria	
	<b>Weather/Visibility:</b> Isol Showers / 7+ mi	<b>Clouds</b> Type Coverage Base (ft) Tops (ft)			<b>Booster Recovery Weather:</b> Low	
<b>Temp/Humidity:</b> 79°F / 65%	Cumulus	Scattered	2,000	6,000	<b>Solar Activity:</b> Low	
<b>Liftoff Winds (200'):</b> 110° 12 - 18 mph	Cirrostratus	Scattered	30,000	38,000		
Notes	1. The Probability of Violation (PoV) is the chance of a range or customer constraint violation occurring at any random time during the launch window.					
	2. Additional Risk Criteria, which are not included in the PoV, are mission-specific constraints that may not include all phenomena within each risk factor. See Launch FAQ <a href="https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html">https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html</a> for more information					

**Next Forecast Will Be Issued** | As Required