



# Launch Mission Execution Forecast



**Mission:** Falcon 9 Starlink 6-79

**Issued:** 21 Nov 2025 / 1015L (1515Z)

**Valid:** 22 Nov 2025 / 0159 – 0559L (0659 – 1059Z)

**Forecast Discussion:** High pressure across FL will maintain favorable weather conditions across the Spaceport through the primary launch window. A cold front and its associated upper-level trough will approach the area early Sunday. While the chance of showers is low, larger cumulus clouds could develop ahead of the front, making the Cumulus Cloud Rule a small probability of violation for the backup launch opportunity.

Launch Day	Probability of Violating Weather Constraints <sup>1</sup>				
	<b>&lt;5%</b>	Primary Concerns: None			
	Weather Conditions			Additional Risk Criteria <sup>2</sup>	
	<b>Weather/Visibility:</b> None / 7 mi. <b>Temp/Humidity:</b> 67°F / 93% <b>Liftoff Winds (200'):</b> 220° 4 - 8 mph	<b>Clouds</b> Type: Cirrus Coverage: Few Base (ft): 29,000 Tops (ft): 31,000	<b>Upper-Level Wind Shear:</b> Low <b>Booster Recovery Weather:</b> Low <b>Solar Activity:</b> Low		

24-Hour Delay	Probability of Violating Weather Constraints				
	<b>15%</b>	Primary Concerns: Cumulus Cloud Rule			
	Weather Conditions			Additional Risk Criteria	
	<b>Weather/Visibility:</b> None / 7 mi. <b>Temp/Humidity:</b> 67°F / 91% <b>Liftoff Winds (200'):</b> 270° 7 - 12 mph	<b>Clouds</b> Type: Cumulus Coverage: Scattered Base (ft): 3,000 Tops (ft): 8,000	<b>Upper-Level Wind Shear:</b> Low-Mod <b>Booster Recovery Weather:</b> Low <b>Solar Activity:</b> Low		

**Notes**

- The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring any random time during the launch window.
- 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** <https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html> for more information

**Next Forecast Will Be Issued** As Required