



# Launch Mission Execution Forecast



**Mission:** Falcon 9 Starlink 6-101

**Issued:** 28 Jan 2026 / 1330L (1830Z)

**Valid:** 29 Jan 2026 / 2300 – 30 / 0300L (30 / 0400 – 0800Z)

**Forecast Discussion:** High pressure will continue to build in through mid-week, helping create weaker winds and mostly benign weather for the primary launch opportunity Thursday night. A low-pressure system is expected to form in the Gulf late Friday and push across the Florida Peninsula Saturday. This system may develop showers and mid-level clouds across the Spaceport during the backup opportunity Friday evening. POV is higher for the backup window as a result.

Launch Day	Probability of Violating Weather Constraints <sup>1</sup>					
	<b>5%</b>	Primary Concerns: Thick Cloud Layers Rule				
	Weather Conditions				Additional Risk Criteria <sup>2</sup>	
	<b>Weather/Visibility:</b> None / 7 mi.	<b>Clouds</b>			<b>Upper-Level Wind Shear:</b> Low	
	Type	Coverage	Base (ft)	Tops (ft)		
<b>Temp/Humidity:</b> 54°F / 75%	Altostratus	Scattered	21,000	23,000	<b>Booster Recovery Weather:</b> Low	
<b>Liftoff Winds (200'):</b> 020° 7 - 12 mph					<b>Solar Activity:</b> Low	
24-Hour Delay	Probability of Violating Weather Constraints					
	<b>20%</b>	Primary Concerns: Cumulus Cloud Rule, Thick Cloud Layers Rule				
	Weather Conditions				Additional Risk Criteria	
	<b>Weather/Visibility:</b> None / 7 mi.	<b>Clouds</b>			<b>Upper-Level Wind Shear:</b> Moderate	
	Type	Coverage	Base (ft)	Tops (ft)		
<b>Temp/Humidity:</b> 59°F / 77%	Cumulus	Scattered	3,000	11,000	<b>Booster Recovery Weather:</b> Low	
<b>Liftoff Winds (200'):</b> 190° 7 - 12 mph	Altostratus	Scattered	17,000	20,000	<b>Solar Activity:</b> Low	
Notes	1. The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring 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					
<b>Next Forecast Will Be Issued</b>		As Required				