



# Launch Mission Execution Forecast



**Mission:** Falcon 9 Starlink g6-66

**Issued:** 20 November 2024 / 1000L (1500Z)

**Valid:** 21 November 2024 / 1053 – 1453L (1553 – 1953Z)

**Forecast Discussion:** A cold front currently moving into the Florida Panhandle will cross the Spaceport this evening, then push out into the Atlantic overnight. Scattered showers remain possible ahead of and along this boundary through the afternoon but any precipitation amounts will be light. Northwest winds behind the frontal boundary will become gusty tomorrow and will remain so into Friday, although mostly clear skies are expected for both the primary and backup launch opportunities.

Launch Day		Probability of Violating Weather Constraints <sup>1</sup>					
Launch Day	<b>10%</b>	Primary Concerns: Liftoff Winds					
	Weather Conditions				Additional Risk Criteria <sup>2</sup>		
	<b>Weather/Visibility:</b>	None / 7 mi.	Clouds			<b>Upper-Level Wind Shear:</b>	Low-Mod
			Type	Coverage	Base (ft)	Tops (ft)	
<b>Temp/Humidity:</b>	66°F / 50%	Cumulus	Scattered	1,500	4,000	<b>Booster Recovery Weather:</b>	Low
<b>Liftoff Winds (200'):</b>	320° 20 - 25 mph					<b>Solar Activity:</b>	Low
24-Hour Delay		Probability of Violating Weather Constraints					
24-Hour Delay	<b>10%</b>	Primary Concerns: Liftoff Winds					
	Weather Conditions				Additional Risk Criteria		
	<b>Weather/Visibility:</b>	None / 7 mi.	Clouds			<b>Upper-Level Wind Shear:</b>	Low
			Type	Coverage	Base (ft)	Tops (ft)	
<b>Temp/Humidity:</b>	63°F / 45%	Cumulus	Few	2,000	4,500	<b>Booster Recovery Weather:</b>	Low
<b>Liftoff Winds (200'):</b>	300° 20 - 25 mph					<b>Solar Activity:</b>	Low
Notes	<ol style="list-style-type: none"> <li>The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring any random time during the launch window.</li> <li>Additional Risk Criteria, which are not included in the PoV, are mission-specific constraints that may not include all phenomena within each risk factor.</li> </ol>						
	See <a href="https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf">https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf</a> for more information						
Next Forecast Will Be Issued		As Required					