



# Launch Mission Execution Forecast



**Mission:** Atlas V Leo 5

**Issued:** 28 Mar 2026 / 0845L (1245Z)

**Valid:** 29 Mar 2026 / 0353 - 0423L (0753 - 0823Z)

30 Mar 2026 / 0332 - 0401L (0732 - 0801Z)

**Forecast Discussion:** Conditions will quickly deteriorate this afternoon as a cold front moves across the area. Showers and isolated thunderstorms are possible this afternoon, with isolated showers possibly lingering overnight. Winds will quickly strengthen behind the front, with peak gusts near 40 kts possible this evening. Winds will remain elevated during the primary launch window, then begin to diminish through the day Sunday. By the back-up launch window, conditions will remain breezy, but less critical as high pressure builds in from the north and the aforementioned cold front stalls out across South FL. Cumulus clouds could create a small issue for both launch opportunities, with liftoff winds remaining the main probability of violation.

		Probability of Violating Weather Constraints <sup>1</sup>			
<b>Launch Day</b>	<b>90%</b>	<b>Primary Concerns:</b> Liftoff Winds, Cumulus Cloud Rule			
	Weather Conditions			Additional Risk Criteria <sup>2</sup>	
	<b>Weather/Visibility:</b>	Iso Showers / 7 mi.	<b>Clouds</b>		
	<b>Temp/Humidity:</b>	67°F / 84%	Type	Coverage	Base (ft)    Tops (ft)
<b>Ground Winds (230'):</b>	060° 24 – 29 P 37 knots	Cumulus	Broken	2,000    10,000	
		<b>Solar Activity:</b> Low			
		Probability of Violating Weather Constraints			
<b>24-Hour Delay</b>	<b>30%</b>	<b>Primary Concerns:</b> Liftoff Winds, Cumulus Cloud Rule			
	Weather Conditions			Additional Risk Criteria	
	<b>Weather/Visibility:</b>	None / 7 mi.	<b>Clouds</b>		
	<b>Temp/Humidity:</b>	67°F / 87%	Type	Coverage	Base (ft)    Tops (ft)
<b>Ground Winds (230'):</b>	100° 12 – 16 P 20 knots	Cumulus	Scattered	2,500    8,000	
		<b>Solar Activity:</b> Low			
<b>Notes</b>	<ol style="list-style-type: none"> <li>The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring anytime 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.				
<b>Next Forecast Will Be Issued</b>		As Required			