



Launch Mission Execution Forecast



Mission: Vulcan USSF-87

Issued: 11 Feb 2026 / 0845L (1345Z)

Valid: 12 Feb 2026 / 0330 – 0530L (0830 – 1030Z)

Forecast Discussion: High pressure has settled over central Florida, providing favorable weather conditions throughout the day today. With light winds overnight, there's a chance shallow mist may decrease visibility in the early morning hours on Thursday morning. The surface high begins to break down on Thursday as a weak frontal boundary approaches in the afternoon. No significant precipitation is expected with this boundary. There is a very small chance of a Cumulus Cloud Rule violation for the primary launch window, and a slightly greater chance for violation for the backup day due to increased offshore shower activity. Solar weather will be an additional watch item, as an increased probability of X-ray flares are forecasted throughout the forecast period.

		Probability of Violating Weather Constraints ¹					
Launch Day	5%	Primary Concerns: Cumulus Cloud Rule					
	Weather Conditions				Additional Risk Criteria ²		
	Weather/Visibility:	Mist / 5 mi.	Clouds				
			Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity:	56°F / 95%	Cumulus	Few	3,000	5,000	Solar Activity: Low-Mod	
Ground Winds (230'):	270° 10 - 15 knots						
		Probability of Violating Weather Constraints					
24-Hour Delay	15%	Primary Concerns: Cumulus Cloud Rule					
	Weather Conditions				Additional Risk Criteria		
	Weather Visibility:	Isold Showers/Mist 5 mi.	Clouds				
			Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity:	56°F / 95%	Cumulus	Scattered	3,000	10,000	Solar Activity: Low-Mod	
Ground Winds (230'):	010° 5 - 10 knots						
Notes	1. The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring anytime 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 https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf for more information.						
Next Forecast Will Be Issued		As Required					