



Launch Mission Execution Forecast



Mission: SLS Artemis II

Issued: 29-Mar-26 / 0900L (1300Z)

Valid: 01-Apr-26 / 1824 – 2024L (2224 – 02/0024Z)

Forecast Discussion: The front that passed through the local area late yesterday is now located across South Florida, where it will stall and gradually wash out over the next several days. Remnant low-level moisture associated with this boundary will continue to seep into the area as onshore flow remains robust, yielding the threat for intermittent showers. This activity is likely to be further enhanced with the daily afternoon passage of the seabreeze, where an isolated thunderstorm may also form. The bulk of organized shower activity should then retreat to the west side of the Florida peninsula each evening, with lingering showers also across the Atlantic. Thus, the primary weather concerns for launch opportunities this week are the extent and organization of these showers and their associated clouds.

		Probability of Violating Weather Constraints ¹					
Launch Day	20%	Primary Concerns: Cumulus Cloud Rule , Thick Cloud Layers Rule , Ground Winds					
	Weather Conditions				Additional Risk Criteria ²		
	Weather/Visibility:	None / 7+ mi	Clouds				Solar Activity: Low
			Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity:	75°F / 75%	Cumulus	Scattered	3,000	13,000		
Ground Winds (132'):	110° 15 - 20 knots	Cirrus	Scattered	20,000	24,000		
		Probability of Violating Weather Constraints					
48-Hour Delay	25%	Primary Concerns: Cumulus Cloud Rule , Thick Cloud Layers Rule , Ground Winds					
	Weather Conditions				Additional Risk Criteria		
	Weather/Visibility:	Isol Showers / 7+ mi	Clouds				Solar Activity: Low
			Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity:	74°F / 80%	Cumulus	Scattered	3,000	15,000		
Ground Winds (132'):	120° 17 - 22 knots	Cirrostratus	Scattered	20,000	24,000		
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	30 March 2026					