



# Launch Mission Execution Forecast

**Mission:** SLS Artemis II

**Issued:** 31-Mar-26 / 0800L (1200Z)

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



**Forecast Discussion:** Moisture trapped in the low levels of the atmosphere will be continually replenished with breezy onshore flow over the next several days, yielding intermittent showers across the Atlantic pushing onshore, with additional development over land during the afternoon hours. Afternoon shower 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 main weather concerns for launch opportunities this week are the extent of showers and their associated clouds as well as continued breezy onshore winds.

		Probability of Violating Weather Constraints <sup>1</sup>				
<b>Launch Day</b>	<b>20%</b>	<b>Primary Concerns:</b> Cumulus Cloud Rule , Ground Winds				
	Weather Conditions				Additional Risk Criteria <sup>2</sup>	
	<b>Weather/Visibility:</b>	Isol Showers / 7+ mi	Clouds			<b>Solar Activity:</b> Low-Mod
			Type	Coverage	Base (ft)	
<b>Temp/Humidity:</b>	75°F / 75%	Cumulus	Scattered	3,000	13,000	
<b>Ground Winds (132'):</b>	100° 15 - 20 knots	Cirrus	Scattered	25,000	29,000	
		Probability of Violating Weather Constraints				
<b>48-Hour Delay</b>	<b>25%</b>	<b>Primary Concerns:</b> Cumulus Cloud Rule , Ground Winds				
	Weather Conditions				Additional Risk Criteria	
	<b>Weather/Visibility:</b>	Isol Showers / 7+ mi	Clouds			<b>Solar Activity:</b> Low-Mod
			Type	Coverage	Base (ft)	
<b>Temp/Humidity:</b>	74°F / 80%	Cumulus	Scattered	3,000	15,000	
<b>Ground Winds (132'):</b>	100° 17 - 22 knots	Cirrus	Scattered	25,000	29,000	
<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				