



# Launch Mission Execution Forecast



**Mission:** Falcon 9 Starlink 6-98

**Issued:** 13 Jan 2026 / 1030L (1530Z)

**Valid:** 14 Jan 2026 / 1301 – 1701L (1801 – 2201Z)

**Forecast Discussion:** A complex weather pattern will bring periods of impactful weather to the Spaceport on Wednesday and Thursday. The boundary that pushed through central Florida on Sunday is expected to move back over the region and linger until Wednesday afternoon when the next low-pressure system pushes it eastward. Cumulus Cloud and Thick Cloud Layers Rule violations are likely during the primary window.

For the backup day, a strong cold front is expected to move quickly through Florida. Multiple weather constraints could be violated during frontal passage, but the front is currently expected to clear the area late Thursday morning, near the time the window opens. Behind the front, skies will clear and winds will increase. The most likely weather constraint violation on the backup day is the Cumulus Cloud Rule, at the beginning of the window. There's also a chance of liftoff wind limits being exceeded after frontal passage.

Launch Day		Probability of Violating Weather Constraints <sup>1</sup>				
		<b>60%</b>	<b>Primary Concerns:</b> Thick Cloud Layers Rule, Cumulus Cloud Rule			
		Weather Conditions			Additional Risk Criteria <sup>2</sup>	
		<b>Weather/Visibility:</b> Isol Showers / 7 mi.	<b>Clouds</b>			<b>Upper-Level Wind Shear:</b> Moderate
			Type	Coverage	Base (ft)	Tops (ft)
		<b>Temp/Humidity:</b> 66°F / 75%	Cumulus	Scattered	1,500	7,500
		<b>Liftoff Winds (200'):</b> 280° 12 - 18 mph	AltoCumulus	Scattered	10,000	18,000
						<b>Booster Recovery Weather:</b> Low
						<b>Solar Activity:</b> Low
24-Hour Delay		Probability of Violating Weather Constraints				
		<b>25%</b>	<b>Primary Concerns:</b> Cumulus Cloud Rule, Liftoff winds			
		Weather Conditions			Additional Risk Criteria	
		<b>Weather/Visibility:</b> None / 7 mi.	<b>Clouds</b>			<b>Upper-Level Wind Shear:</b> Moderate
			Type	Coverage	Base (ft)	Tops (ft)
		<b>Temp/Humidity:</b> 59°F / 75%	Cumulus	Few	1,500	4,500
		<b>Liftoff Winds (200'):</b> 290° 18 - 28 mph				
						<b>Booster Recovery Weather:</b> Moderate
						<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. See Launch FAQ <a href="https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html">https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html</a> for more information</li> </ol>				
<b>Next Forecast Will Be Issued</b>		AS REQUIRED				