



# Launch Mission Execution Forecast

**Mission:** Falcon 9 Starlink 6-92

**Issued:** 6 Dec 2025 / 1200L (1700Z)

**Valid:** 7 Dec 2025 / 1640 – 2040L (2140 – 08/0140Z)



**Forecast Discussion:** Moisture will gradually increase across the peninsula today as the weak frontal boundary slowly sags towards Central Florida, introducing rain with isolated thunderstorms into the forecast. On Sunday, the synoptic pattern remains sloppy as a cold front moves into Central Florida. A weak area of low pressure is expected to form along the northern Gulf coast Sunday, which should help to tug the cold front through Central Florida by Monday morning, but not before the initial launch window. The latest high-resolution guidance shows the best weather opportunity to occur at the beginning of the window with the cold front and associated rain/thunderstorms settling over the cape into the evening. As a result, POV is trended upward throughout the window.

For the backup launch window Monday, the cold front will push into South Florida. However, a secondary cold front set up behind it across North Florida will create lingering thick clouds across Central Florida. However, recent model trends have indicated much of the cloud cover to be colder than -20C, so POV has been adjusted downward slightly. Additionally, strong northerly winds behind the front will be present but the lack of convection should keep winds below threshold.

Probability of Violating Weather Constraints <sup>1</sup>																																			
<b>Launch Day</b>	<b>50→70%</b> <b>Primary Concerns:</b> Cumulus Cloud Rule, Anvil Cloud Rules, Thick Cloud Layers Rule																																		
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<p><b>Notes</b></p> <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 <b>Launch FAQ</b> <a href="https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html">https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html</a> for more information</li> </ol>																																			
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