



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 6-90

Issued: 09 Dec 2025 / 1430L (1930Z)

Valid: 11 Dec 2025 / 1359 – 1759L (1859 – 2259Z)



Forecast Discussion: On Thursday morning, a weak cold front will move into the region and pass through Central Florida. Behind the front, a high-pressure system will bring seasonably cool temperatures and mostly clear skies throughout the remainder of the week. Very favorable conditions are expected for both the primary and back up days with no significant weather-related concerns.

Launch Day	Probability of Violating Weather Constraints ¹				
	<5%	Primary Concerns: None			
	Weather Conditions			Additional Risk Criteria ²	
	Weather/Visibility: None / 7 mi.	Clouds Type Coverage Base (ft) Tops (ft)		Upper-Level Wind Shear: Low	
Temp/Humidity: 68°F / 60%	Cumulus	Few	2,500	4,000	Booster Recovery Weather: Low
Liftoff Winds (200'): 310° 10 - 15 mph				Solar Activity: Low	

24-Hour Delay	Probability of Violating Weather Constraints				
	<5%	Primary Concerns: None			
	Weather Conditions			Additional Risk Criteria	
	Weather/Visibility: None / 7 mi.	Clouds Type Coverage Base (ft) Tops (ft)		Upper-Level Wind Shear: Low	
Temp/Humidity: 70°F / 56%	None	Clear			Booster Recovery Weather: Low
Liftoff Winds (200'): 330° 10 - 15 mph				Solar Activity: Low	

Notes

- The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring any random time during the launch window.
- 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** <https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html> for more information

Next Forecast Will Be Issued 10 Dec 2025