



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 6-76

Issued: 24 Nov 2024 / 0830L (1330Z)

Valid: 25 Nov 2024 / 2231 – 0231L (26/0331 – 0731Z)



Forecast Discussion: A high-pressure center over central Florida will drift eastward over the Atlantic Ocean over the next few days. A ridge axis will linger over the Cape, keeping mostly clear skies, mild temperatures, and light winds over the spaceport through both the primary and backup launch windows. On both days, there may be a few shallow cumulus clouds in the area but there are no specific weather constraint concerns at this time.

Launch Day	Probability of Violating Weather Constraints ¹				
	<5%	Primary Concerns: None			
	Weather Conditions			Additional Risk Criteria ²	
	Weather/Visibility: None / 7 mi.	Clouds		Upper-Level Wind Shear:	Low
	Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity: 66°F / 80%	Cumulus	Few	3,000	5,000	Booster Recovery Weather: Low
Liftoff Winds (200'): 300° 5 - 10 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		Upper-Level Wind Shear:	Low
	Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity: 65°F / 80%	Cumulus	Few	3,000	5,000	Booster Recovery Weather: Low
Liftoff Winds (200'): 290° 5 - 10 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 <https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf> for more information

Next Forecast Will Be Issued AS REQUIRED