



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 12-1

Issued: 24 Nov 2024 / 1000L (1500Z)

Valid: 25 Nov 2024 / 0432 – 0832L (0932 – 1332Z)



Forecast Discussion: A broad ridge of high-pressure will linger near the state of Florida today through Tuesday. This will continue the pattern of mostly clear skies, mild (but warming) temperatures, and light winds to the Spaceport for 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 Type Coverage Base (ft) Tops (ft)			Upper-Level Wind Shear: Low
Temp/Humidity: 64°F / 80%	Cumulus	Few	3,000	5,000	Booster Recovery Weather: Low
Liftoff Winds (200'): 340° 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 Type Coverage Base (ft) Tops (ft)			Upper-Level Wind Shear: Low
Temp/Humidity: 66°F / 80%	Cumulus	Few	3,000	5,000	Booster Recovery Weather: Low
Liftoff Winds (200'): 330° 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
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