



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink g12-7

Issued: 26 Jan 2025 / 1000L (1500Z)

Valid: 27 Jan 2025 / 1421 – 1821L (1921 – 2321Z)



Forecast Discussion: Surface high pressure across the Southeast today will build east of FL early Monday, maintaining dry conditions for the primary launch window. A front will dig southeast across the Spaceport Tuesday; however, a lack of moisture will keep conditions dry for the backup window. There is only a small chance of a Cumulus Cloud Rule violation during the primary launch window, with a very low probability of weather violations for the backup window.

Launch Day	Probability of Violating Weather Constraints ¹					
	5%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Visibility: None / 7 mi.	Clouds			Upper-Level Wind Shear: Low-Mod	
	Type	Coverage	Base (ft)	Tops (ft)		
Temp/Humidity: 67°F / 66%	Cumulus	Few	3,000	10,000	Booster Recovery Weather: Low	
Liftoff Winds (200'): 010° 10 - 15 mph	Cirrus	Scattered	27,000	30,000	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-Mod	
	Type	Coverage	Base (ft)	Tops (ft)		
Temp/Humidity: 66°F / 68%	Cumulus	Few	2,500	7,000	Booster Recovery Weather: Low	
Liftoff Winds (200'): 340° 10 - 15 mph	Cirrus	Scattered	28,000	30,000	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
-------------------------------------	-------------