



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 10-26

Issued: 25 July 2025 / 0900L (1300Z)

Valid: 26 July 2025 / 0433 – 0828L (0833 – 1228Z)



Forecast Discussion: Deep SE flow was observed on this morning's sounding along with visibility restrictions across the Spaceport. As high pressure builds over the FL peninsula and into the Gulf this weekend, surface to low-level winds will be very weak and shift to the S and SW. Based on a persistence forecast over the next couple of days, early morning mist is likely for the latter half of the launch window. Minimal shower activity over the coastal waters this morning but enough to maintain the very outside of chance of an isolated cumulus over the pad throughout the weekend.

Launch Day	Probability of Violating Weather Constraints ¹					
	5%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Visibility: Mist / 3-5 mi.	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear: Low
	Temp/Humidity: 77°F / 95%	Cumulus	Few	3,000	8,000	Booster Recovery Weather: Low
24-Hour Delay	Liftoff Winds (200'): 190° 5 - 10 mph	Cirrus	Few	38,000	40,000	Solar Activity: Low
	Probability of Violating Weather Constraints					
	5%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: Mist / 3-5 mi.	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear: Low
Notes	Temp/Humidity: 78°F / 95%	Cumulus	Few	2,500	10,500	Booster Recovery Weather: Low
	Liftoff Winds (200'): 210° 5 - 10 mph	Cirrus	Few	36,000	38,000	Solar Activity: Low
	<div>1. The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring any random time during the launch window.</div> <div>2. Additional Risk Criteria, which are not included in the PoV, are mission-specific constraints that may not include all phenomena within each risk factor.</div> <div>See Launch FAQ https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html for more information</div>					
Next Forecast Will Be Issued		As Required				