



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 6-87

Issued: 9 Nov 2025 / 1045L (1545Z)

Valid: 10 Nov 2025 / 2200 – 11/0200L (11/ 0300 – 0700Z)



Forecast Discussion: Scattered showers and storms, some strong, will track across the Space Coast later today ahead of a strong cold front. The front itself will cross the region Monday morning, ushering in a blast of strong northwesterly winds and chilly temps that will linger through at least the first half of Tuesday. As a result, the main concern for the primary launch window will be Liftoff Winds.

The center of the post-frontal high will slide into North Florida by late Tuesday, relaxing the gradient and allowing winds to subside. With cool and dry conditions, there are no significant weather concerns during the backup launch window. Recovery weather will degrade Monday into Tuesday due to the same front which is expected to pass well south of the Bahamas, with scattered storms along the front on Monday, and strong winds and building seas behind the front on Tuesday.

Launch Day	Probability of Violating Weather Constraints ¹							
	40%	Primary Concerns: Liftoff Winds						
	Weather Conditions					Additional Risk Criteria ²		
	Weather/Visibility:	None / 7 mi.	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low-Mod
	Temp/Humidity:	63°F / 60%	Cumulus	Few	2,500	5,000	Booster Recovery Weather:	Low-Mod
	Liftoff Winds (200’):	320° 27 - 32 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.	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
	Temp/Humidity:	57°F / 65%	Stratocumulus	Few	3,500	5,000	Booster Recovery Weather:	Low-Mod
	Liftoff Winds (200’):	030° 8 - 12 mph			Solar Activity:			Low
Notes	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. 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. See Launch FAQ https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html for more information							
Next Forecast Will Be Issued		As Needed						