



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 10-47

Issued: 23-May-26 / 1030L (1430Z)

Valid: 25-May-26 / 0741 – 1141L (1141 – 1541Z)
26-May-26 / 0719 – 1119L (1119 – 1519Z)

Forecast Discussion: The current weather pattern will hold steady throughout the next few days and into the start of the coming week. Deep layer ridging in the western North Atlantic with its surface high nosed over the southeast US will be the main drivers of our sensible weather during this time. Southeast onshore flow will prevail in the low levels promoting fairly moist conditions. Peak rain chances will start in the late morning and early afternoon hours with the formation the usual sea breeze displaced more inland as the day progresses. The start of the window will still have a chance of showers forming in the Atlantic and moving onshore making the Cumulus Cloud Rule the primary concern of violation on launch day. Drier air aloft gives the backup day a more favorable POV, but the same flow regime will continue to support possible early morning showers.

Launch Day	Probability of Violating Weather Constraints¹					
	15%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria²	
	Weather/Visibility: Isol Showers / 7+ mi	Type	Clouds		Booster Recovery Weather: Low	
Temp/Humidity: 81°F / 79%	Cumulus	Coverage	Base (ft)	Tops (ft)	Solar Activity: Low	
Liftoff Winds (200'): 140° 15 - 20 mph		Scattered	2,000	16,000		

24-Hour Delay	Probability of Violating Weather Constraints¹					
	10%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: Isol Showers / 7+ mi	Type	Clouds		Booster Recovery Weather: Low	
Temp/Humidity: 82°F / 80%	Cumulus	Coverage	Base (ft)	Tops (ft)	Solar Activity: Low	
Liftoff Winds (200'): 140° 15 - 20 mph		Scattered	2,000	15,000		

Notes

- The Probability of Violation (PoV) is the chance of a range or customer constraint violation occurring at 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 **Launch FAQ** <https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html> for more information

Next Forecast Will Be Issued 24 May 2026