



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 10-50

Issued: 04-Jul-26 / 0930L (1330Z)

Valid: 05-Jul-26 / 0636 – 1036L (1036 – 1436Z)
06-Jul-26 / 0613 – 1013L (1013 – 1413Z)

Forecast Discussion: The subtropical ridge axis is expected to be south of, or over, Central Florida for the next several days. This pattern will bring light southwesterly flow, allowing the east coast seabreeze to develop each day with the late afternoon/evening seabreeze collision, and the highest storm chances, favoring the eastern side of the peninsula. The morning launch windows are expected to fall between the end of evening storms and this afternoon activity, while the light offshore flow keeps Atlantic showers generally offshore. However, there will be a small chance for these showers to develop closer to the coast. Additionally, the mid-morning ends of the windows may see an increase in the threat of daytime heating leading to shower development. Both of these factors will bring a small threat of Cumulus Cloud Rule violations.

Launch Day	Probability of Violating Weather Constraints ¹					
	15%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Visibility: None / 7+ mi	Type	Clouds		Booster Recovery Weather: Low	
	Temp/Humidity: 80°F / 85%	Cumulus	Coverage	Base (ft)	Tops (ft)	Solar Activity: Low
24-Hour Delay	Liftoff Winds (200'): 220° 5 - 10 mph	Cirrus	Few	2,000	6,500	
			Scattered	29,000	33,000	
	Probability of Violating Weather Constraints ¹					
	10%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria	
Notes	Weather/Visibility: None / 7+ mi	Type	Clouds		Booster Recovery Weather: Low	
	Temp/Humidity: 80°F / 85%	Cumulus	Coverage	Base (ft)	Tops (ft)	Solar Activity: Low
	Liftoff Winds (200'): 200° 5 - 10 mph	Cirrus	Few	2,000	6,500	
			Scattered	29,000	32,000	
	1. The Probability of Violation (PoV) is the chance of a range or customer constraint violation occurring at 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 REQUIRED				