



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 6-69

Issued: 10 Nov 2024 / 1900L (0000Z)

Valid: 11 Nov 2024 / 1602 – 2002L (11/2102Z – 12/0102Z)



Forecast Discussion: The large high-pressure system dominating our region is beginning to exit eastward into the Atlantic. This will open the door for a weak tropical trough to migrate northward into the southern half of Florida on Monday, bringing increased moisture and chances for isolated showers across the area. By Tuesday morning a weak cold front will sweep through and aid in steering this trough out into the Atlantic. Primary concern for each day remains the Cumulus Clouds Rule.

Launch Day		Probability of Violating Weather Constraints ¹				
Launch Day	20%	Primary Concerns: Cumulus Clouds Rule				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Visibility: Isol Showers / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
	Temp/Humidity: 78°F / 85%	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Mod
Liftoff Winds (200'): 080° 8 - 12 mph	Cumulus	Scattered	3,000	12,000	Solar Activity: Low	
24-Hour Delay		Probability of Violating Weather Constraints				
24-Hour Delay	10%	Primary Concerns: Cumulus Clouds Rule				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: None / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
	Temp/Humidity: 78°F / 78%	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low
Liftoff Winds (200'): 030° 10 - 15 mph	Cumulus	Few	3,000	8,000	Solar Activity: Low	
Notes	<ol style="list-style-type: none"> 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 Needed				