



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink g10-3

Issued: 26 June 2024 / 1100L (1500Z)

Valid: 27 June 2024 / 0700 – 1100L (1100 – 1500Z)

Forecast Discussion: Surface high pressure will remain to our east, with the ridge axis lingering south of the FL peninsula through the end of week. Although sea breeze showers and thunderstorms are expected to develop in the afternoon and evening near the Cape, most of the spaceport should remain dry during the primary and back-up launch windows. There is a small chance an isolated shower could develop each morning, and with associated clouds, the Cumulus Cloud Rule may be violated.

Launch Day		Probability of Violating Weather Constraints ¹				
Launch Day	10%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Visibility: Iso Showers / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
	Temp/Humidity: 77°F / 95%	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low
Liftoff Winds (200'): 260° 10 - 15 mph	Cumulus	Few	3,000	8,000	Solar Activity: Low	
24-Hour Delay		Probability of Violating Weather Constraints				
24-Hour Delay	15%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: Iso Showers / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
	Temp/Humidity: 78°F / 95%	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low
Liftoff Winds (200'): 240° 8 - 13 mph	Cirrus	Scattered	25,000	30,000	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				