



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 12-13

Issued: 25 Feb 2025 / 0200L (0700Z)

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Forecast Discussion: Rigorous upper low-pressure system will quickly make its way off the coast this morning and move out over the Atlantic. By the launch window, a few low-topped showers are expected on the back side of the low as it exits but should remain off the coast. For Wednesday, high pressure will build over the peninsula bringing drier air, so there is little chance of a violation due to weather for the backup opportunity.

Launch Day	Probability of Violating Weather Constraints ¹					
	5%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Visibility: Isol Showers / 7 mi. Temp/Humidity: 63°F / 80% Liftoff Winds (200'): 320° 12 - 18 mph	Clouds Type: Cumulus Coverage: Few Base (ft): 2,500 Tops (ft): 8,000	Upper-Level Wind Shear: Low Booster Recovery Weather: Low 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. Temp/Humidity: 64°F / 85% Liftoff Winds (200'): 070° 8 - 12 mph	Clouds Type: Cumulus Coverage: Few Base (ft): 2,500 Tops (ft): 8,000	Upper-Level Wind Shear: Low Booster Recovery Weather: Low 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 https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf for more information					
Next Forecast Will Be Issued		As Needed				