



Launch Mission Execution Forecast

Mission: Falcon 9 NASA Crew-12

Issued: 12 Feb 2026 / 0745L (1245Z)

Valid: 13 Feb 2026 / 0506 - 0526L (1006 - 1026Z)



Forecast Discussion: Favorable weather conditions are expected at the launch site for tomorrow morning's attempt. Today, a weak cold front will approach East Central Florida from the north, increasing moisture and shower chances in the afternoon. By tonight, the front will dissipate and stall out just south of the Spaceport, leading to isolated showers over the Atlantic waters. Although most of the shower activity will remain offshore, there is a low chance of a Cumulus Cloud Rule and/or Flight Through Precipitation violation if one of these showers makes it to the coast. Beyond the launch site, the main watch item is elevated wind speeds along several areas of the ascent track.

Over the weekend, another low will develop over the central US and drag a cold front into the Southeast. On Sunday morning, southeasterly flow ahead of the front will bring isolated coastal showers in addition to a low Thick Cloud threat due to cirrostratus clouds streaming in from the west. While there is still uncertainty in the exact timing, the front is expected to move through the region Sunday night into Monday morning, leading to an elevated risk of multiple weather constraints for the second back-up day. Ascent track conditions will also deteriorate as the low moves into the Atlantic.

Launch Day	Probability of Violating Weather Constraints ¹						
	10%	Primary Concerns: Cumulus Cloud Rule, Flight Through Precipitation					
	Weather Conditions				Additional Risk Criteria ²		
	Weather:	Mist	Clouds			Pad Escape Winds:	Low
Visibility:	5 miles	Type	Coverage	Base (ft)	Tops (ft)	Ascent Corridor Weather:	Moderate
Temp/Humidity:	59°F / 95%	Stratus	Scattered	800	1,200	Booster Recovery Weather:	Low
Liftoff Winds (200'):	350° 7 - 12 mph	Cumulus	Scattered	3,000	8,000	Solar Activity:	Low

48-Hour Delay	Probability of Violating Weather Constraints						
	20%	Primary Concerns: Cumulus Cloud Rule, Thick Cloud Layers Rule, Flight Through Precipitation					
	Weather Conditions				Additional Risk Criteria		
	Weather:	Isold Showers	Clouds			Pad Escape Winds:	Low
Visibility:	7 miles	Type	Coverage	Base (ft)	Tops (ft)	Ascent Corridor Weather:	Moderate
Temp/Humidity:	64°F / 85%	Cumulus	Scattered	3,000	10,000	Booster Recovery Weather:	Low
Liftoff Winds (200'):	150° 12 - 17 mph	Cirrostratus	Broken	25,000	30,000	Solar Activity:	Low

72-Hour Delay	Probability of Violating Weather Constraints						
	55%	Primary Concerns: Cumulus Cloud Rule, Surface Electric Fields, Flight Through Precipitation					
	Weather Conditions				Additional Risk Criteria		
	Weather:	Sct Showers	Clouds			Pad Escape Winds:	Low
Visibility:	7 miles	Type	Coverage	Base (ft)	Tops (ft)	Ascent Corridor Weather:	High
Temp/Humidity:	63°F / 95%	Cumulus	Scattered	3,000	15,000	Booster Recovery Weather:	Low-Mod
Liftoff Winds (200'):	220° 16 - 24 mph	Cirrostratus	Broken	26,000	32,000	Solar Activity:	Low

Note

- 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 **Launch FAQ** <https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html> for more information

Next Forecast Will Be Issued As Required