



Launch Mission Execution Forecast

Mission: Falcon 9 Dragon CRS-26

Issued: 25 November 2022 / 0800L (1300Z)

Valid: 26 November 2022 / 1415 - 1425L (1915 - 1925Z)



Forecast Discussion: Quieter start to the day across the Spaceport than the past few, with the drier weather continuing through most of the day. Yesterday's northward moving boundary will return southwards late tonight along with the potential for a few showers. The boundary doesn't look to get as far south as models showed before, with sufficient low-level moisture lingering for increased showers in the vicinity during the Saturday afternoon launch window. The main weather concerns will be cumulus clouds and precipitation associated with any nearby showers.

Another cold front will move through on Monday with high pressure building across the eastern US behind it. Model consensus is for a little faster push, clearing the Spaceport by the backup window Monday afternoon. If the boundary lingers there will be a low chance for showers in the vicinity, which will be the main weather concern.

By Tuesday drier weather is expected to arrive with only passing cumulus and high clouds, both of which pose minimal concern to the secondary backup window Tuesday afternoon at this time.

Launch Day	Probability of Violating Weather Constraints ¹						
	30%	Primary Concerns: Cumulus Cloud Rule, Flight Through Precipitation					
	Weather Conditions				Additional Risk Criteria ²		
	Weather/Visibility:	Isold Showers / 7 mi.	Clouds			Upper-Level Wind Shear:	Low
		Type	Coverage	Base (ft)	Tops (ft)		
Temp/Humidity:	76°F / 77%	Cumulus	Scattered	3,000	10,000	Booster Recovery Weather:	Low
Liftoff Winds (200'):	080° 12 - 17 mph	Cirrostratus	Broken	23,000	25,000	Solar Activity:	Low
48-Hour Delay	Probability of Violating Weather Constraints						
	20%	Primary Concerns: Cumulus Cloud Rule, Flight Through Precipitation					
	Weather Conditions				Additional Risk Criteria		
	Weather/Visibility:	None / 7 mi.	Clouds			Upper-Level Wind Shear:	Low
		Type	Coverage	Base (ft)	Tops (ft)		
Temp/Humidity:	75°F / 65%	Cumulus	Scattered	3,500	7,000	Booster Recovery Weather:	Low-Mod
Liftoff Winds (200'):	330° 7 - 12 mph	Cirrostratus	Broken	28,000	33,000	Solar Activity:	Low
72-Hour Delay	Probability of Violating Weather Constraints						
	<10%	Primary Concerns: Cumulus Cloud Rule					
	Weather Conditions				Additional Risk Criteria		
	Weather/Visibility:	None / 7 mi.	Clouds			Upper-Level Wind Shear:	Low
		Type	Coverage	Base (ft)	Tops (ft)		
Temp/Humidity:	75°F / 72%	Stratocumulus	Scattered	3,500	5,000	Booster Recovery Weather:	Low
Liftoff Winds (200'):	090° 10 - 15 mph					Solar Activity:	Low
Notes	1. The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring anytime 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					