



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 10-46
Issued: 16-Mar-26 / 1115L (1515Z)
Valid: 17-Mar-26 / 0626 – 1026L (1026 – 1426Z)
 18-Mar-26 / 0604 – 1004L (1004 – 1404Z)

Forecast Discussion: A strong cold front is moving through the Florida Peninsula today, reaching the Space Coast around 4-6pm. Seabreeze enhanced showers and thunderstorms may develop ahead of the front as well. Damaging winds and brief heavy downpours are possible with these thunderstorms. Frontal precipitation will move south of Brevard County during the evening, leaving northeasterly winds overnight. Northeasterly flow in the low levels will allow for low-topped Atlantic cumulus development and the potential for a Cumulus Cloud Rule violation during the primary launch window. Increased wind speeds may also cause liftoff wind violations on the primary day. Conditions improve for the backup day as wind speeds decrease, with increased mid-level moisture causing very small potential for a Thick Cloud Rule Violation.

		Probability of Violating Weather Constraints ¹				
Launch Day	25%	Primary Concerns: Liftoff Winds , Cumulus Cloud Rule				
	Weather Conditions			Additional Risk Criteria ²		
	Weather/Visibility: None / 7+ mi			Clouds		Booster Recovery Weather: Moderate
	Temp/Humidity: 55°F / 75%	Type	Coverage	Base (ft)	Tops (ft)	Solar Activity: Low
Liftoff Winds (200'): 340° 25 - 30 mph	Cumulus	Scattered	2,500	5,000		
	Cirrus	Scattered	35,000	40,000		
		Probability of Violating Weather Constraints ¹				
24-Hour Delay	5%	Primary Concerns: Cumulus Cloud Rule , Thick Cloud Layers Rule				
	Weather Conditions			Additional Risk Criteria		
	Weather/Visibility: None / 7+ mi			Clouds		Booster Recovery Weather: Low
	Temp/Humidity: 60°F / 70%	Type	Coverage	Base (ft)	Tops (ft)	Solar Activity: Low
Liftoff Winds (200'): 030° 10 - 15 mph	Cumulus	Scattered	3,000	5,000		
	Altostratus	Overcast	10,000	15,000		
Notes	1. The Probability of Violation (PoV) is the chance of a range or customer constraint violation occurring at 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 Launch FAQ https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html for more information					
	Next Forecast Will Be Issued	As Required				