



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 10-43
Issued: 02-Jun-26 / 0930L (1330Z)
Valid: 03-Jun-26 / 0402 – 0802L (0802 – 1202Z)
 04-Jun-26 / 0400 – 0800L (0800 – 1200Z)

Forecast Discussion: Another stormy afternoon is likely across the Spaceport with isolated severe weather possible as westerly flow aloft remains in place. Late tonight into Wednesday morning, a late season 'cool' front will move southward across the Florida peninsula, unfortunately making weather conditions tricky for launch. Scattered marine showers will likely scrape the East-Central Florida coastline during the launch window, and plentiful mid-level cloud decks will create concerns for both the Cumulus Cloud and Thick Cloud Layers Rules, with Surface Electric Fields Rule being a distant third should any of the showers move ashore. Latest hi-resolution guidance has provided a more pessimistic view of the shower and mid-level cloud coverage during the launch window; thus we have increased POV. Recovery weather will also be a watch item with elevated wave heights and fresh breezes along the eastern Atlantic.

For the backup launch window Thursday morning, weather conditions improve with dry air filtering into the Spaceport behind the front. Marine showers may still exist but will be few and far between with fresh winds out of the east-northeast. Mid to upper-level clouds will persist but will most likely be too high to pose an LLCC concern.

Launch Day	Probability of Violating Weather Constraints ¹					
	70%	Primary Concerns: Cumulus Cloud Rule , Thick Cloud Layers Rule , Surface Electric Fields Rule				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Visibility: Sct Showers / 7+ mi	Type	Clouds Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Mod-High
Temp/Humidity: 75°F / 90%	Cumulus	Broken	5,000	18,000	Solar Activity: Low	
Liftoff Winds (200'): 330° 12 - 17 mph	Altostratus	Overcast	20,000	40,000		
24-Hour Delay	Probability of Violating Weather Constraints ¹					
	15%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: Isol Showers / 7+ mi	Type	Clouds Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low
Temp/Humidity: 75°F / 80%	Cumulus	Scattered	2,500	10,000	Solar Activity: Low	
Liftoff Winds (200'): 060° 20 - 25 mph	Cirrostratus	Broken	25,000	40,000		
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				