



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 10-48
Issued: 11-Mar-26 / 1030L (1430Z)
Valid: 12-Mar-26 / 0600 – 1000L (1000 – 1400Z)
 13-Mar-26 / 0600 – 1000L (1000 – 1400Z)

Forecast Discussion: A cold front, that is currently bringing severe weather to the Central United States, will move over the Florida Panhandle by Thursday morning. Although any storms associated with that front will be well to the northwest of the Spaceport during the primary window, cirrus clouds from that system will likely be overhead. There is a low chance these cirrus clouds violate the Thick Cloud Layers Rule, but if they do, it may be for an extended period. Additionally, there is a small chance for flight-through Cumulus Cloud Rule violations on the primary day.

By Thursday evening, the cold front is expected to bring isolated showers and thunderstorms, some of which may produce strong winds and small hail, to the local area. As the front passes, windspeed will increase, possibly above liftoff constraint, but are expected to start gradually decreasing early Friday morning. Additionally, wind direction will become onshore after frontal passage, bringing a risk of occasional flight-through Cumulus Cloud Rule violations. Notably, the cold front will also bring poor weather to the booster recovery area Thursday night and Friday morning.

Launch Day	Probability of Violating Weather Constraints ¹					
	10%	Primary Concerns: Thick Cloud Layers Rule , Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Visibility: None / 7+ mi	Type	Clouds Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low-Mod
Temp/Humidity: 72°F / 90%	Cumulus	Few	3,000	7,000	Solar Activity: Low	
Liftoff Winds (200'): 200° 10 - 16 mph	Cirrus	Scattered	26,000	34,000		
24-Hour Delay	Probability of Violating Weather Constraints ¹					
	25%	Primary Concerns: Cumulus Cloud Rule , Liftoff Winds				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: Isol Showers / 7+ mi	Type	Clouds Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Moderate
Temp/Humidity: 69°F / 90%	Cumulus	Broken	1,500	8,500	Solar Activity: Low	
Liftoff Winds (200'): 050° 12 - 20 mph						
Notes	<ol style="list-style-type: none"> The Probability of Violation (PoV) is the chance of a range or customer constraint violation occurring at 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				