



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 10-54
Issued: 11-Jun-26 / 0815L (1215Z)
Valid: 12-Jun-26 / 0827 – 1227L (1227 – 1627Z)
 13-Jun-26 / 0804 – 1204L (1204 – 1604Z)

Forecast Discussion: Surface high pressure off the MidAtlantic coast will continue onshore flow today. By the end of the week, the ridge will build further south, helping to switch morning flow to become light southwesterly Friday and Saturday. This should lead to a lower coverage of showers and thunderstorms in the mornings, with an increasing risk towards the late morning and afternoon. If the ridge is slower to build south, southeasterly flow could linger and increase chances of precipitation Friday. Given this possibility, there is a slightly higher risk of a Cumulus Cloud Rule violation on Friday compared to Saturday.

Launch Day	Probability of Violating Weather Constraints ¹					
	20→30%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Visibility: None / 7+ mi	Clouds			Booster Recovery Weather: Low	
Temp/Humidity: 80°F / 85%	Type	Coverage	Base (ft)	Tops (ft)	Solar Activity: Low	
Liftoff Winds (200'): 220° 6 - 11 mph	Cumulus	Scattered	2,000	12,000		
	Cirrostratus	Few	29,000	31,000		
24-Hour Delay	Probability of Violating Weather Constraints ¹					
	15%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: None / 7+ mi	Clouds			Booster Recovery Weather: Low	
Temp/Humidity: 79°F / 88%	Type	Coverage	Base (ft)	Tops (ft)	Solar Activity: Low	
Liftoff Winds (200'): 240° 7 - 12 mph	Cumulus	Scattered	2,000	8,000		
	Cirrostratus	Few	30,000	32,000		
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				