



Launch Mission Execution Forecast



Mission: Falcon 9 CRS-34

Issued: 12-May-26 / 1700L (2100Z)

Valid: 13-May-26 / 1840 – 1900L (2240 – 2300Z)
 14-May-26 / 1817 – 1837L (2217 – 2237Z)
 15-May-26 / 1755 – 1815L (2155 – 2215Z)

Forecast Discussion: Widespread showers and thunderstorms will continue over central Florida this evening as a frontal boundary progresses southward. Tomorrow, rain chances continue to be elevated as the boundary lingers to the south. Afternoon showers and thunderstorms are possible along the east coast, causing potential Cumulus Cloud Rule, Anvil Cloud Rule and Surface Electric Field Rule violations. A mid-level drying trend will continue for Thursday and Friday as high pressure builds and onshore flow settles in. Concerns will primarily be for the Cumulus Cloud Rule for both backup opportunities.

Launch Day		Probability of Violating Weather Constraints ¹				
Launch Day	40%	Primary Concerns: Cumulus Cloud Rule , Anvil Cloud Rules , Surface Electric Fields Rule				
	Weather Conditions			Additional Risk Criteria ²		
	Weather/Visibility: Isol Tstorms / 7+ mi			Clouds		Booster Recovery Weather: Low
		Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity: 77°F / 80%	Cumulus	Scattered	3,000	18,000	Solar Activity: Low	
Liftoff Winds (200'): 010° 8 - 12 mph	Cirrostratus	Broken	35,000	40,000		
24-Hour Delay		Probability of Violating Weather Constraints				
24-Hour Delay	10%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions			Additional Risk Criteria		
	Weather/Visibility: None / 7+ mi			Clouds		Booster Recovery Weather: Low
		Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity: 77°F / 70%	Cumulus	Scattered	3,000	12,000	Solar Activity: Low	
Liftoff Winds (200'): 080° 5 - 10 mph						
48-Hour Delay		Probability of Violating Weather Constraints				
48-Hour Delay	10%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions			Additional Risk Criteria		
	Weather/Visibility: None / 7+ mi			Clouds		Booster Recovery Weather: Low
		Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity: 78°F / 70%	Cumulus	Scattered	3,500	12,000	Solar Activity: Low	
Liftoff Winds (200'): 090° 5 - 10 mph						
Not	<ol style="list-style-type: none"> The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring 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					