



Launch Mission Execution Forecast

Mission: Falcon 9 NASA Crew-11

Issued: 29 Jul 2025 / 1200L (1600Z)

Valid: 31 Jul 2025 / 1200 - 1220L (1600 - 1620Z)
1 Aug 2025 / 1135 - 1155L (1535 - 1555Z)
2 Aug 2025 / 1110 - 1130L (1510 - 1530Z)



Forecast Discussion: The sea breeze will help develop a possible isolated shower or thunderstorm near, or slightly after, the launch window for all three opportunities. High pressure aloft will also continue above normal temperatures and hot/humid weather through Friday. A front pushing into the Southeast by the weekend is likely to bring increased moisture to the local area, with a slightly higher threat for launch violations. More notably, this same front will bring a significantly higher threat for showers and storms, as well as higher winds, to the staging areas northeastward up the ascent corridor by Saturday.

Launch Day	Probability of Violating Weather Constraints ¹					
	15%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Vis: None/7 miles	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear: Low
24-Hour	Temp/Humidity: 88°F / 69%	Cumulus	Few	3,000	6,000	Ascent Corridor Recovery: Low-Mod
	Liftoff Winds (200'): 210° 5 - 10 mph					Solar Activity: Low
	Probability of Violating Weather Constraints					
	20%	Primary Concerns: Cumulus Cloud Rule				
48-Hour	Weather Conditions				Additional Risk Criteria	
	Weather/Vis: None/7 miles	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear: Low
	Temp/Humidity: 87°F / 70%	Cumulus	Scattered	3,000	8,000	Ascent Corridor Recovery: High
	Liftoff Winds (200'): 220° 5 - 10 mph					Solar Activity: Low
Note	Probability of Violating Weather Constraints					
	25%	Primary Concerns: Cumulus Cloud Rule, Surface Electric Fields Rule, Anvil Cloud Rules				
	Weather Conditions				Additional Risk Criteria	
	Weather/Vis: Iso Showers/7 miles	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear: Low
Next Forecast Will Be Issued	30 Jul 2025					