



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 10-42

Issued: 08-Jul-26 / 0900L (1300Z)

Valid: 09-Jul-26 / 0505 – 0905L (0905 – 1305Z)
10-Jul-26 / 0442 – 0842L (0842 – 1242Z)

Forecast Discussion: The subtropical ridge axis remains in place over south Florida, providing high pressure and light southwesterly flow over Brevard County. Saharan dust advecting into the mid-levels will diminish afternoon thunderstorm coverage for the next few days. On Thursday morning, winds will be light and southwesterly, and a few offshore Atlantic showers are possible which could cause a small concern for the Cumulus Cloud Rule. Very similar conditions are expected for the backup day, as Saharan dust settles in the mid-levels and inhibits cumulus development.

Launch Day	Probability of Violating Weather Constraints ¹					
	10%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Visibility: None / 7+ mi	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low
	Temp/Humidity: 79°F / 90%	Cumulus	Few	3,000	7,000	Solar Activity: Low
24-Hour Delay	Liftoff Winds (200'): 210° 5 - 10 mph	Cirrus	Few	40,000	43,000	
	Probability of Violating Weather Constraints ¹					
	5%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: None / 7+ mi	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low
Notes	Temp/Humidity: 79°F / 90%	Cumulus	Few	3,000	6,000	Solar Activity: Low
	Liftoff Winds (200'): 200° 5 - 10 mph	Cirrus	Few	40,000	43,000	
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				