



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 6-1

Issued: 20 Feb 2023 / 0900L (1400Z)

Valid: 23 Feb 2023/ 1337 – 1850L (1837-2350Z)



Forecast Discussion: Weather is not expected to be a great concern for this particular mission. Winds have swung around to the east and should continue to veer to the southeast during the afternoons and likely to the southwest during the overnight hours. The bulk of active weather is expected to remain well north of Florida over the next 4 to 5 days, creating favorable weather conditions for the Spaceport Area. It is possible that we could see a few cumulus clouds floating around during the day but at this time, it does not appear that they will pose a particular problem for launch operations. Should there be a 24-hour delay, weather conditions will be nearly identical and should remain favorable for launch operations. Again, the primary concern would be from isolated cumulus clouds.

		Probability of Violating Weather Constraints ¹			
Launch Day	5%	Primary Concerns: Cumulus Cloud Rule			
	Weather Conditions			Additional Risk Criteria ²	
	Weather/Visibility: None / 7 mi.	Clouds			Upper-Level Wind Shear: Low
	Temp/Humidity: 80°F / 65%	Type	Coverage	Base (ft)	Tops (ft)
Liftoff Winds (200'): 160° 12 - 17 mph	Cumulus	Scattered	3,000	6,000	Booster Recovery Weather: Low
					Solar Activity: Low
		Probability of Violating Weather Constraints			
24-Hour Delay	5%	Primary Concerns: Cumulus Cloud Rule			
	Weather Conditions			Additional Risk Criteria	
	Weather/Visibility: None / 7 mi.	Clouds			Upper-Level Wind Shear: Low
	Temp/Humidity: 80°F / 62%	Type	Coverage	Base (ft)	Tops (ft)
Liftoff Winds (200'): 090° 7 - 12 mph	Cumulus	Scattered	3,000	6,000	Booster Recovery Weather: Low
					Solar Activity: Low
Notes	<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 https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf for more information				
Next Forecast Will Be Issued		21 Feb 2023			