



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 6-1

Issued: 26 Feb 2023 / 0930L (1430Z)

Valid: 27 Feb 2023/ 1337 – 1850L (1837-2350Z)



Forecast Discussion: Favorable launch weather conditions will remain in place across the Space Port for the primary and back up launch days. High pressure will continue across the region A dry air mass will also continue to dominate the area so cloud formation will be limited in depth and will diminish from east to west as the sea-breeze works its way inland. Expect a few to scattered cumulus clouds to develop during the late morning hours and works its way inland with the sea breeze. The coverage should decrease to few by the launch window. The primary concern for launch will be the Cumulus Cloud Rule.

In the event of a 24-hour delay, similar weather conditions to continue. Scattered cumulus clouds reducing to few clouds by the launch window. The primary concern will be the Cumulus Cloud Rule.

Launch Day	Probability of Violating Weather Constraints ¹					
	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: 85°F / 43%	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low	
Liftoff Winds (200'): 230° 7 - 12 mph	Cumulus	Few	3,000	6,000	Solar Activity: Low	
	Cirrus	Scattered	25,000	30,000		
24-Hour Delay	Probability of Violating Weather Constraints					
	5%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: None / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
Temp/Humidity: 87°F / 46%	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low	
Liftoff Winds (200'): 250° 15 - 20 mph	Cumulus	Few	3,000	6,000	Solar Activity: Low	
	Cirrus	Scattered	25,000	30,000		
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		As requested				