



Launch Mission Execution Forecast

Mission: Falcon 9 GPS III-6

Issued: 17 Jan 2023 / 0800L (1300Z)

Valid: 18 Jan 2023 / 0700 – 0736L (1200 – 1236Z)



Forecast Discussion: High pressure will continue to dominate over the next few days, allowing the trend of dry air and mild temperatures to remain. A weakening frontal boundary is expected to stall out to the north of the Spaceport on tomorrow, extending favorable launch weather conditions into the primary and backup launch days with negligible chances for Cumulus Cloud Rule violations.

Launch Day		Probability of Violating Weather Constraints ¹				
Launch Day	<10%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Visibility: None / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
	Temp/Humidity: 59°F / 85%	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery: Mod-High
Liftoff Winds (200'): 220° 7 - 12 mph	Cumulus	Few	2,500	4,500	Solar Activity: Low	
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			Upper-Level Wind Shear: Low	
	Temp/Humidity: 65°F / 82%	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery: Low
Liftoff Winds (200'): 200° 10 - 15 mph	Cumulus	Few	2,500	5,500	Solar Activity: Low	
Notes	1. The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring anytime 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.					
Next Forecast Will Be Issued		AS REQUIRED				

See <https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf> for more information