



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 12-3

Issued: 2 Feb 2025 / 0700L (1200Z)

Valid: 3 Feb 2025 / 0354 – 0754L (0854 – 1254Z)



Forecast Discussion: Early-morning fog or low ceilings should continue to be an issue for the next several days as a stalled frontal boundary remains near central Florida. The potential exists for some occasional sprinkles and light shower activity with this stalled boundary as it meanders over the next several days, but it should not bring particularly impactful weather. Any cloud layers that pass over the Spaceport appear unlikely to cause violations and no specific weather violation concerns currently exist for either window.

Launch Day		Probability of Violating Weather Constraints ¹					
Launch Day	5%	Primary Concerns: None					
	Weather Conditions				Additional Risk Criteria ²		
	Weather/Visibility:	Fog / ½ - 3 mi.	Clouds			Upper-Level Wind Shear:	Low
			Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity:	62°F / 100%	Stratus	Overcast	1,500	4,000	Booster Recovery Weather:	Low
Liftoff Winds (200'):	VRB 4 - 8 mph	Cirrus	Few	28,000	33,000	Solar Activity:	Low
24-Hour Delay		Probability of Violating Weather Constraints					
24-Hour Delay	5%	Primary Concerns: None					
	Weather Conditions				Additional Risk Criteria		
	Weather/Visibility:	Fog / ½ - 3 mi.	Clouds			Upper-Level Wind Shear:	Low
			Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity:	63°F / 100%	Stratus	Overcast	1,500	4,000	Booster Recovery Weather:	Low
Liftoff Winds (200'):	VRB 3 - 7 mph	Cirrus	Few	28,000	33,000	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		AS REQUIRED					