



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 6-70

Issued: 03 Dec 2024 / 0830L (1330Z)

Valid: 04 Dec 2024 / 0329 – 0729L (0829 – 1229Z)

Forecast Discussion: Cool and breezy conditions are expected throughout the beginning and middle of this week as high pressure dominates prior to a weak cold front passage this Friday. Cold northerly air flowing over the Gulf Stream is expected to drive marine stratocumulus development Wednesday morning, which may approach the coast but poses no threat to the primary launch attempt. Dry air persists through the backup day out ahead of Friday's frontal passage, leading to no weather concerns for the secondary launch opportunity, either.

Launch Day		Probability of Violating Weather Constraints ¹					
Launch Day	<5%	Primary Concerns: None					
	Weather Conditions				Additional Risk Criteria ²		
	Weather/Visibility:	None / 7 mi.	Clouds			Upper-Level Wind Shear:	Low
			Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity:	53°F / 60%	Stratocumulus	Scattered	3,500	5,200	Booster Recovery Weather:	Low
Liftoff Winds (200'):	020° 15 - 20 mph					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:	None / 7 mi.	Clouds			Upper-Level Wind Shear:	Low
			Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity:	55°F / 62%	None	Clear			Booster Recovery Weather:	Low
Liftoff Winds (200'):	310° 5 - 10 mph					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					