

## **Launch Mission Execution Forecast**

Mission: Falcon 9 Starlink 10-27

**Issued**: 19 Sep 2025 / 1100L (1500Z)

**Valid**: 21 Sep 2025 / 0520 – 0920L (0920 – 1320Z)



**Forecast Discussion**: Below average rain chances are expected through this weekend and early next week as a deep plume of moisture lingering from South Florida to the Bahamas exits off to the northeast. Dry air in the mid-levels will continue to limit daily lightning chances. Isolated coastal showers are likely during both launch windows but will only be a distant concern for the flight through portion of the Cumulus Cloud Rule due to their expected low-topped nature.

	Probability of Violating Weather Constraints <sup>1</sup>								
Day	10% Primary Concerns: Cumulus Cloud Rule								
ch	Weather Conditions							Additional Risk Criteria <sup>2</sup>	
aunch	Weather/Visi	bility:	Iso Showers / 7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
Ľ	Temp/Humid	ity:	76°F / 90%	Cumulus	Scattered	2,000	5,000	Booster Recovery Weather:	Low
	Liftoff Winds	(200'):	040° 8 - 12 mph					Solar Activity:	Low
,	Probability of Violating Weather Constraints								
15% Primary Concerns: Cumulus Cloud Rule									
	Weather Conditions							Additional Risk Criteria	
24-Hour	Weather/Visi	bility:	Iso Showers / 7 mi.	Туре	Clouds	Base (ft)	T (6)	Upper-Level Wind Shear:	Low
4				Type	Coverage	Dase (II)	Tops (ft)		
2	Temp/Humid	ity:	78°F / 90%	Cumulus	Scattered	2,000	5,000	Booster Recovery Weather:	Low
7	-	-	78°F / 90% 050° 5 – 10 mph	1 "	ū	. ,	,		Low
Notes 2	Liftoff Winds  1. The Proba 2. Additional	(200'): bility of Vi	050° 5 – 10 mph  iolation (PoV) is the chan-	Altostratus  ce of a local safety of in the PoV, are in	Scattered  Scattered  y or customer comission-specific	2,000 25,000  anstraint vice constraints	5,000 29,000 elation occurring that may no	Booster Recovery Weather:	Low och window.