

Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 10-15

Issued: 23 Sep 2025 / 1000L (1400Z)

Valid: 25 Sep 2025 / 0436 – 0836L (0836 – 1236Z)



Forecast Discussion: High-pressure ridge over the southeastern U.S. will bring weak onshore flow and increasing low-level moisture resulting in daily afternoon seabreeze-associated showers and storms, mainly over the central and western portions of the state. Lack of significant steering flow may allow some development to creep back toward the Space Coast by evening hours but should diminish after sunset. Atlantic showers will be present overnight for both the primary and backup opportunities with most remaining well off the coast, so the Cumulus Cloud Rule is only a slight concern for both days.

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	Probability of Violating Weather Constraints ¹									
Day	10% Primary Concerns: Cumulus Cloud Rule									
ch	Weather Conditions							Additional Risk Criteria ²		
aunch	Weather/Visi	bility:	Iso Showers / 7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low	
7	Temp/Humid	ity:	78°F / 85%	Cumulus	Few	2,000	9,000	Booster Recovery Weather:	Low	
	Liftoff Winds	(200'):	150° 8 - 12 mph	Cirrus	Scattered	25,000	30,000	Solar Activity:	Low	
,	Probability of Violating Weather Constraints									
Delay	10%	10% Primary Concerns: Cumulus Cloud Rule								
	Weather Conditions							Additional Risk Criteria		
24-Hour	Weather/Visibility: Iso Showers / 7 mi.		Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low		
24	Temp/Humid	Temp/Humidity: 78°F / 90%		Cumulus	Scattered	2,000	10,000	Booster Recovery Weather:	Low	
	Liftoff Winds	(200'):	250° 5 - 10 mph	Cirrus	Scattered	25,000	30,000	Solar Activity:	Low	
Notes	 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 Launch FAQ https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html for more information 									
Next Forecast Will Be Issued 24 Sep 2025										