



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 10-45
Issued: 12-Jul-26 / 1130L (1530Z)
Valid: 14-Jul-26 / 0315 – 0715L (0715 – 1115Z)
15-Jul-26 / 0253 – 0653L (0653 – 1053Z)

Forecast Discussion: Weather conditions are expected to be very favorable for both the primary and back-up launch windows. Heading into the start of the week, the Atlantic ridge axis will be situated south of the Spaceport, maintaining the low-level southwesterly flow over East Central Florida. Additionally, another round of Saharan dust will likely move by Monday night, bringing drier than average conditions through at least the middle of the week. Given this pattern, any showers and thunderstorms that develop over the eastern half of the peninsula in the late afternoon and evening will move offshore and quickly dissipate during the overnight hours. This will lead to excellent conditions for the early morning launch windows on Tuesday and Wednesday, with light westerly winds and mostly clear skies. The only concern is the negligible risk of a Cumulus Cloud Rule violation.

Launch Day	Probability of Violating Weather Constraints ¹							
	5%	Primary Concerns: Cumulus Cloud Rule						
	Weather Conditions					Additional Risk Criteria ²		
	Weather/Visibility:	None / 7+ mi	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather:	Low
	Temp/Humidity:	80°F / 85%	Cumulus	Few	2,500	6,000	Solar Activity:	Low
	Liftoff Winds (200'):	240° 5 - 10 mph	Cirrus	Few	30,000	35,000		
24-Hour Delay	Probability of Violating Weather Constraints ¹							
	5%	Primary Concerns: Cumulus Cloud Rule						
	Weather Conditions					Additional Risk Criteria		
	Weather/Visibility:	None / 7+ mi	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather:	Low
	Temp/Humidity:	80°F / 85%	Cumulus	Few	2,500	5,000	Solar Activity:	Low
	Liftoff Winds (200'):	290° 5 - 10 mph						
Notes	1. The Probability of Violation (PoV) is the chance of a range or customer constraint violation occurring at any random time 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. See Launch FAQ https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html for more information							
Next Forecast Will Be Issued		13 July 2026						