



Launch Mission Execution Forecast

Mission: Falcon 9 Eutelsat-10B

Issued: 21 November 22 / 1000L (1500Z)

Valid: 21 November 22 / 2152-2202L (22/0252-0302Z)



Forecast Discussion: Cloudy conditions remain across the Spaceport today with easterly winds and isolated showers. Launch weather concerns are the Thick Cloud Layers Rule, the Cumulus Cloud Rule, and the Disturbed Weather Rule.

On Tuesday, a wave is likely to form in the vicinity of Florida, adding a threat of thunderstorms and increasing the depth of the clouds. The primary concerns remain the Thick Cloud Layers Rule, the Cumulus Cloud Rule, and the Disturbed Weather Rule.

Launch Day		Probability of Violating Weather Constraints ¹					
		70%	Primary Concerns: Thick Cloud Layers Rule, Cumulus Cloud Rule, Disturbed Weather Rule				
		Weather Conditions				Additional Risk Criteria ²	
		Weather/Visibility: Isold Showers / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
			Type	Coverage	Base (ft)	Tops (ft)	
		Temp/Humidity: 72°F / 82%	Cumulus	Scattered	3,000	10,000	Recovery Weather: Moderate
		Liftoff Winds (200'): 080° 12 - 17 mph	Altostratus	Overcast	12,000	16,000	Solar Activity: Low
24-Hour Delay		Probability of Violating Weather Constraints					
		90%	Primary Concerns: Thick Cloud Layers Rule, Cumulus Cloud Rule, Disturbed Weather Rule				
		Weather Conditions				Additional Risk Criteria	
		Weather/Visibility: Showers / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
			Type	Coverage	Base (ft)	Tops (ft)	
		Temp/Humidity: 72°F / 82%	Cumulus	Scattered	3,000	10,000	Recovery Weather: Moderate
		Liftoff Winds (200'): 100° 10 - 15 mph	Altostratus	Overcast	12,000	20,000	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 anytime 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					