



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 8-9

Issued: 2 July 2024 / 0900L (1300Z)

Valid: 3 July 2024 / 0201-0601L (0601-1001Z)

Forecast Discussion: A weak boundary is slowly eroding today as it runs into strong ridging across Central Florida. This will create showers and thunderstorms mostly west of the Space Coast which should wind down well before the launch window opens early Wednesday morning. However, Gulf Stream showers will begin to work their way towards the Spaceport as the morning progresses. The primary launch weather concern is the Cumulus Cloud Rule associated with these showers.

Launch Day	Probability of Violating Weather Constraints ¹															
	20%	Primary Concerns: Cumulus Cloud Rule														
	Weather Conditions				Additional Risk Criteria ²											
	Weather/Visibility: None / 7 mi.	<table border="1"> <thead> <tr> <th colspan="4">Clouds</th> </tr> <tr> <th>Type</th> <th>Coverage</th> <th>Base (ft)</th> <th>Tops (ft)</th> </tr> </thead> <tbody> <tr> <td>Cumulus</td> <td>Few</td> <td>2,500</td> <td>10,000</td> </tr> </tbody> </table>			Clouds				Type	Coverage	Base (ft)	Tops (ft)	Cumulus	Few	2,500	10,000
Clouds																
Type	Coverage	Base (ft)	Tops (ft)													
Cumulus	Few	2,500	10,000													
Temp/Humidity: 78°F / 92%				Booster Recovery Weather: Low												
Liftoff Winds (200'): 150° 7-12 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. <p>See https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf for more information</p>															
Next Forecast Will Be Issued	As Required															