



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 6-68

Issued: 13 Nov 2024 / 0730L (1230Z)

Valid: 14 Nov 2024 / 0533 – 0933L (1033 – 1433Z)

Forecast Discussion: A front will approach the Spaceport from the north on Thursday, with conditions trending drier and only a small possibility of an isolated shower Thursday morning. High pressure across the Northeast and the approaching front will create breezy conditions Thursday, with gusts around 20 mph possible. Additionally, a layer of mid-level clouds may linger across the area Thursday morning. This will create the possibility of the Cumulus Cloud Rule, and Thick Cloud Layers Rule being violated during the primary launch window. The front will dig south across central FL early Friday morning. Cumulus clouds and isolated showers will create a small chance of the Cumulus Cloud Rule being violated during the backup launch window.

		Probability of Violating Weather Constraints ¹																				
Launch Day	15%	Primary Concerns: Cumulus Cloud Rule, Thick Cloud Layers 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>Scattered</td> <td>3,000</td> <td>14,000</td> </tr> <tr> <td>Altostratus</td> <td>Scattered</td> <td>20,000</td> <td>24,000</td> </tr> </tbody> </table>			Clouds				Type	Coverage	Base (ft)	Tops (ft)	Cumulus	Scattered	3,000	14,000	Altostratus	Scattered	20,000	24,000	Upper-Level Wind Shear: Low	
	Clouds																					
Type	Coverage	Base (ft)	Tops (ft)																			
Cumulus	Scattered	3,000	14,000																			
Altostratus	Scattered	20,000	24,000																			
Temp/Humidity: 72°F / 75%				Booster Recovery Weather: Low-Mod																		
Liftoff Winds (200'): 110° 15 - 20 mph				Solar Activity: Low																		
		Probability of Violating Weather Constraints																				
24-Hour Delay	20%	Primary Concerns: Cumulus Cloud Rule																				
	Weather Conditions			Additional Risk Criteria																		
	Weather/Visibility: Iso Showers / 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>3,000</td> <td>15,000</td> </tr> </tbody> </table>			Clouds				Type	Coverage	Base (ft)	Tops (ft)	Cumulus	Few	3,000	15,000	Upper-Level Wind Shear: Low					
	Clouds																					
Type	Coverage	Base (ft)	Tops (ft)																			
Cumulus	Few	3,000	15,000																			
Temp/Humidity: 70°F / 87%				Booster Recovery Weather: Low																		
Liftoff Winds (200'): 280° 9 - 14 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. 																					
	See https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf for more information																					
Next Forecast Will Be Issued		As needed																				