



Launch Mission Execution Forecast



Mission: Falcon 9 GPS III-8
Issued: 19-Apr-26 / 1300L (1700Z)
Valid: 21-Apr-26 / DURING WINDOW
 22-Apr-26 / DURING WINDOW

Forecast Discussion: A cold front will develop isolated to scattered showers and thunderstorms as early as this afternoon and remain possible through Monday afternoon as it moves southeast across central FL. Winds will strengthen tonight, and peak Monday afternoon behind the front. Winds will diminish late Monday into Tuesday, with only a small risk of a Cumulus Cloud Rule or Thick Cloud Layers Rule violation during the primary and backup launch opportunities.

Launch Day	Probability of Violating Weather Constraints ¹																
	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>Type</th> <th>Coverage</th> <th>Base (ft)</th> <th>Tops (ft)</th> </tr> </thead> <tbody> <tr> <td>Cumulus</td> <td>Broken</td> <td>3,000</td> <td>7,000</td> </tr> <tr> <td>Cirrostratus</td> <td>Scattered</td> <td>30,000</td> <td>33,000</td> </tr> </tbody> </table>			Type	Coverage	Base (ft)	Tops (ft)	Cumulus	Broken	3,000	7,000	Cirrostratus	Scattered	30,000	33,000	Booster Recovery Weather: Low
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Cumulus	Broken	3,000	7,000														
Cirrostratus	Scattered	30,000	33,000														
Temp/Humidity: 69°F / 61%					Solar Activity: Low												
Liftoff Winds (200'): 040° 20 - 25 mph																	

24-Hour Delay	Probability of Violating Weather Constraints ¹																
	15%	Primary Concerns: Cumulus Cloud Rule , Thick Cloud Layers Rule															
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Liftoff Winds (200'): 080° 10 - 15 mph																	

Notes

- The Probability of Violation (PoV) is the chance of a range or customer constraint violation occurring at 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 | As Required