



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 6-64

Issued: 30 May 2024 / 0830L (1230Z)

Valid: 31 May 2024 / 1843 – 2243L (2243 – 1/0243Z)



Forecast Discussion: Surface high pressure currently centered across the Great Lakes will build south into Florida through the weekend. Onshore flow will strengthen tomorrow, with breezy conditions developing along the coast Friday and Saturday. The strong onshore flow will result in an early westward translation of the seabreeze, with the focus for any shower and storm development likely shifted to the west side of the Florida peninsula Friday and into the weekend.

Launch Day	Probability of Violating Weather Constraints¹														
	10%	Primary Concerns: Liftoff Winds, Cumulus Cloud Rule													
	Weather Conditions			Additional Risk Criteria²											
	Weather/Visibility: None / 7 mi. Temp/Humidity: 80°F / 65% Liftoff Winds (200'): 060° 20 - 25 mph	<table border="1"> <thead> <tr> <th colspan="4" style="text-align: center;">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>8,000</td> </tr> </tbody> </table>	Clouds				Type	Coverage	Base (ft)	Tops (ft)	Cumulus	Scattered	3,000	8,000	Upper-Level Wind Shear: Low Booster Recovery Weather: Low Solar Activity: Low
Clouds															
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Cumulus	Scattered	3,000	8,000												
24-Hour Delay	Probability of Violating Weather Constraints														
	10%	Primary Concerns: Liftoff Winds, Cumulus Cloud Rule													
	Weather Conditions			Additional Risk Criteria											
	Weather/Visibility: None / 7 mi. Temp/Humidity: 81°F / 60% Liftoff Winds (200'): 080° 20 - 25 mph	<table border="1"> <thead> <tr> <th colspan="4" style="text-align: center;">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>8,000</td> </tr> </tbody> </table>	Clouds				Type	Coverage	Base (ft)	Tops (ft)	Cumulus	Scattered	3,000	8,000	Upper-Level Wind Shear: Low Booster Recovery Weather: Low Solar Activity: Low
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Notes	1. The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring 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 https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf for more information														
Next Forecast Will Be Issued		As Required													