



Launch Mission Execution Forecast

Mission: Falcon 9 Digital Globe 3

Issued: 2 Feb 2025 / 0900L (1400Z)

Valid: 3 Feb 2025 / 1832 – 1933L (2332 – 4/0033Z)



Forecast Discussion: Stalled frontal boundary to the south will aid in keeping considerable cloudiness across much of the peninsula through the beginning of the weak, with areas of fog developing during the nighttime hours and lasting through mid-morning. Some light showers are possible, but conditions will remain mostly dry, and clouds will be low enough as to not be a concern for violation of launch criteria for both the primary and backup windows.

Launch Day	Probability of Violating Weather Constraints ¹																			
	<5%	Primary Concerns: None																		
	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>Stratocumulus</td> <td>Broken</td> <td>1,500</td> <td>5,000</td> </tr> <tr> <td>Cirrus</td> <td>Scattered</td> <td>25,000</td> <td>28,000</td> </tr> </tbody> </table>			Clouds				Type	Coverage	Base (ft)	Tops (ft)	Stratocumulus	Broken	1,500	5,000	Cirrus	Scattered	25,000	28,000
Clouds																				
Type	Coverage	Base (ft)	Tops (ft)																	
Stratocumulus	Broken	1,500	5,000																	
Cirrus	Scattered	25,000	28,000																	
Temp/Humidity: 70°F / 95%				Booster Recovery Weather: Low																
Liftoff Winds (200'): 070 / 7 - 9 mph				Solar Activity: Low																

24-Hour Delay	Probability of Violating Weather Constraints															
	5%	Primary Concerns: None														
	Weather Conditions				Additional Risk Criteria											
	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>Stratus</td> <td>Scattered</td> <td>1,000</td> <td>3,000</td> </tr> </tbody> </table>			Clouds				Type	Coverage	Base (ft)	Tops (ft)	Stratus	Scattered	1,000	3,000
Clouds																
Type	Coverage	Base (ft)	Tops (ft)													
Stratus	Scattered	1,000	3,000													
Temp/Humidity: 71°F / 95%				Booster Recovery Weather: Low												
Liftoff Winds (200'): 090 / 8 - 12 mph				Solar Activity: Low												

Notes

- 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