



Launch Mission Execution Forecast

Mission: Falcon 9 Amazonas-6

Issued: 5 Feb 2023 / 1730L (2230Z)

Valid: 6 Feb 2023 / 1732 – 2132L (06/2232 – 07/0232Z)



Forecast Discussion: After a rainy day on the Space Coast today, conditions will improve significantly overnight into tomorrow. An upper-level shortwave will push off to the east, allowing high pressure and much drier air to settle in. High pressure will remain in control for the first half of the week. The only concern for both the primary and backup days is the negligible chance of a Cumulus Cloud Rule violation.

Launch Day	Probability of Violating Weather Constraints¹					
	5%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria²	
	Weather/Visibility: None / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
	Type	Coverage	Base (ft)	Tops (ft)		
Temp/Humidity: 65°F / 65%	Cumulus	Few	3,000	5,000	Booster Recovery Weather: Low-Mod	
Liftoff Winds (200'): 030° 15 - 20 mph					Solar Activity: Low	

24-Hour Delay	Probability of Violating Weather Constraints					
	5%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: None / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
	Type	Coverage	Base (ft)	Tops (ft)		
Temp/Humidity: 68°F / 70%	Cumulus	Scattered	3,000	6,000	Booster Recovery Weather: Low-Mod	
Liftoff Winds (200'): 110° 12 - 17 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 Required
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