



Launch Mission Execution Forecast

Mission: Falcon 9 Ispace M1

Issued: 4 Dec 2022 / 0800L (1300Z)

Valid: 7 Dec 2022 / 0259 – 0309L (0759 – 0809Z)



Forecast Discussion: The progress of a very weak cold front sagging into the state this morning will stall over the next 24 hours, bringing little more than an increase in clouds and potential for an Atlantic sprinkle to the Spaceport. Beyond this weak front, high pressure aloft over the Gulf of Mexico will dominate the weather across Florida through the week not allowing any additional boundaries of note to reach the area. The axis of a NE to SW oriented area of surface high pressure over the western Atlantic will be draped across Central Florida, keeping winds relatively light. Quiet and generally dry weather is expected into the primary launch window early Wednesday morning with passing low-topped cumulus clouds in the vicinity posing a very small concern for launch weather. There will be little change in the pattern into the backup launch window early Thursday morning, with just a few more low lopped cumulus clouds.

Probability of Violating Weather Constraints ¹																				
Launch Day	<10% Primary Concerns: Cumulus Cloud Rule																			
	Weather Conditions																			
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Notes	<ol style="list-style-type: none"> The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring anytime 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	5 Dec 2022																			