



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 10-13

Issued: 29 Oct 2024 / 0900L (1300Z)

Valid: 30 Oct 2024 / 1710 – 2110L (2110 – 31/0110Z)

Forecast Discussion: A ridge axis over the southeastern United States will bring breezy, onshore flow and a slight chance for showers to the region for the next several days. On both the primary and backup day, the possibility exists of a passing shower being a flight through concern, but an inversion aloft should keep most cloud tops below constraint. Liftoff winds appear likely to be the primary concern on Wednesday, but the ridge axis is expected to shift southward enough by Thursday to significantly reduce the likelihood of the threshold being exceeded. Of note, intense solar storming has elevated proton flux levels, but they should be returning to baseline levels by the opening of the window.

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Launch Day	25% Primary Concerns: Liftoff Winds, Cumulus Clouds Rule																																		
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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 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																																		
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