



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 5-1

Issued: 26 Dec 2022 / 0900L (1400Z)

Valid: 28 Dec 2022 / 0430 – 0632L (0930 – 1132Z)



Forecast Discussion: An upper level trough currently situated over the western Gulf of Mexico continues to send considerable mid and high level cloudiness northeast across Florida while at the surface, modified Arctic high pressure results in cold conditions. Over the next couple of days, this trough will dig south and east, crossing the state on Tuesday and lifting out across the Atlantic by mid-week while at the surface, another high pressure system spreads across the Southeast US. Moderating temperatures and generally fair weather can be expected as the trough departs, resulting in favorable local conditions for both the primary launch day and the backup opportunity, with only a slim chance of low-topped cumulus clouds interfering with launch attempts either day.

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Launch Day	<10% Primary Concerns: Cumulus Cloud 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 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	27 DEC 2022																						