



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 6-8

Issued: 4 August 2023 / 0900L (1300Z)

Valid: 6 August 2023 / 2022 – 7/0025L (7/0022 – 0425Z)



Forecast Discussion: Onshore flow in the lower part of the atmosphere will continue for one more day, yielding a higher risk for storms across inland areas of the state this afternoon and evening, with the immediate coast targeted for just widely scattered showers favoring the late night and morning hours. Over the weekend, a surface low will develop off the Carolina coast, dragging a weak boundary into southern Georgia. This will act to suppress the subtropical surface ridge axis back to the south across far south Florida. The resultant deep southwesterly flow combined with above normal atmospheric moisture and expected seabreeze development will trigger numerous showers and storms during the late afternoon and evening hours across the eastern portion of the Florida peninsula each day this weekend through the middle of next week.

Thus, the probability for weather violations will be rather high for both the primary day and backup day attempts, specifically during the front end of each window when active thunderstorms and their associated cloud cover are more likely to be in close proximity to the pad. Later in the window, thunderstorms are expected to diminish or move offshore, with remnant cloud cover gradually thinning.

Probability of Violating Weather Constraints ¹																										
Launch Day	70%→20% Primary Concerns: Cumulus Cloud Rule, Anvil Cloud Rules, Surface Electric Fields 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																									
Next Forecast Will Be Issued	5 August 2023																									