



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 10-2

Issued: 22 June 2024 / 1000L (1400Z)

Valid: 23 June 2024 / 1303 – 1703L (1703 – 2103Z)

Forecast Discussion: Deep tropical moisture will remain entrenched across the Florida peninsula into early next week, and as a result, scattered to numerous showers and thunderstorms can be expected each day, largely favoring the afternoon and evening hours. While atmospheric flow will remain weak enough to allow daily seabreeze development, an incoming trough will likely result in delayed formation and westward progression by Monday and Tuesday, with initial storm development closer to the coast on those days. Once formed, daily storms will move erratically or slowly to the east. Still, given the time of day of the launch windows on both the primary and backup opportunities, the risk of weather violations and the rules involved appear similar.

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Launch Day	50% → 80% Primary Concerns: Cumulus Cloud Rule, Surface Electric Fields Rule, Anvil Cloud Rules																																								
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Notes	<ol style="list-style-type: none"> 1. The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring any random time during the launch window. 2. Additional Risk Criteria, which are not included in the PoV, are mission-specific constraints that may not include all phenomena within each risk factor. <p style="text-align: center;">See https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf for more information</p>																																								
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