



# Launch Mission Execution Forecast



**Mission:** Falcon 9 Starlink 10-7

**Issued:** 9 Aug 2024 / 0630L (1030Z)

**Valid:** 10 Aug 2024 / 0721 – 1121L (1121 – 1521Z)

**Forecast Discussion:** The Atlantic subtropical ridge axis is expected to build over the Florida Strait today and move slowly northward over Florida this weekend, bringing weak southwesterly flow to the Spaceport through Sunday. Thunderstorm development is expected to start near the end of the window each day and conditions should be generally favorable for either window. The primary concern each morning will be for a Cumulus Cloud Rule violation, particularly near the end of the window, as the sea breeze starts to form and move inland across the Cape.

Probability of Violating Weather Constraints <sup>1</sup>																									
<b>Launch Day</b>	<b>10 → 20%</b> Primary Concerns: Cumulus Cloud Rule																								
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<b>Notes</b>	<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol>																								
	See <a href="https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf">https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf</a> for more information																								
<b>Next Forecast Will Be Issued</b>	As Required																								