



# Launch Mission Execution Forecast



**Mission:** Falcon 9 Starlink 4-14

**Issued:** 18 Apr 2022/ 0900L (1300Z)

**Valid:** 21 Apr 2022/ 1105 – 1404L (1504 – 1804Z)

**Forecast Discussion:** An approaching cold front will bring a round of strong storms through the Spaceport this afternoon, before the boundary itself moves through the Florida Peninsula overnight. High pressure will set up across the eastern CONUS through Wednesday, and then shift off of New England Thursday and Friday. While the weather will be pleasant and sunny, the tight pressure gradient on the southwestern flank of the ridge will create breezy to windy conditions across the Spaceport through the end of the week. The only concern for the primary and backup launch window will be Liftoff Winds.

Probability of Violating Weather Constraints <sup>1</sup>																													
<b>Launch Day</b>	<b>30%</b> Primary Concerns: Liftoff Winds																												
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<b>Notes</b>	<ol style="list-style-type: none"> <li>The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring anytime during the launch window.</li> <li>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>Note:</b> The Probability of Violation (POV) is the chance that a Lightning Launch Commit Criteria (LLCC) or certain user constraints (surface winds, precipitation, and temperatures, etc.) will be violated during the launch window. It does not take into account upper-level wind shear, booster recovery weather, and solar activity.																													
<b>Next Forecast Will Be Issued</b>	19 Apr 2022																												