



# Launch Mission Execution Forecast



**Mission:** Falcon 9 Starlink 4-36

**Issued:** 19 October 2022 / 0800L (1200Z)

**Valid:** 20 October 2022 / 1045 – 1502L (1445-1902Z)

**Forecast Discussion:** The strong cold frontal system that moved through yesterday will continue moving south of Space Coast today, creating gusty northerly winds, clearing skies and high temperatures struggling to reach the 70s at the Spaceport. On Thursday, a wave is forecast to form on the front in the vicinity of the Bahamas, bringing the clouds and rain back north along the southeast coast of Florida. The primary weather concern for a launch attempt Thursday is the Cumulus Cloud Rule associated with the wave.

On Friday, the wave will begin to push north, bringing clouds and showers closer to the Spaceport and nearshore waters, as well as increasing the northerly winds. The main weather concerns for a Friday attempt are the Cumulus Cloud Rule with the addition of Liftoff Winds given the proximity of the wave.

Probability of Violating Weather Constraints <sup>1</sup>																																											
<b>Launch Day</b>	<b>&lt;10%</b> Primary Concerns: Cumulus Cloud Rule																																										
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<b>Notes</b> 1. The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring anytime 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.  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																																										