



Launch Mission Execution Forecast

Mission: Falcon 9 NROL-108

Issued: 16 Dec 2020 / 0800L (1300Z)

Valid: 17 Dec 2020 / 0900 – 1200L (1400 – 1700Z)



Forecast Discussion: A strong cold front is currently moving through the Florida Panhandle and will push through Central Florida overnight. On Thursday, high-pressure will build in bringing cooler, drier air to the Space Coast. Winds will turn northerly and become gusty by afternoon while cloud cover clears through the day. The primary weather concerns for Thursday are Liftoff Winds and the Thick Cloud Layer Rule associated with any lingering frontal cloudiness.

On Friday, cloud cover will be much diminished over the Spaceport, but gusty northeasterly winds will remain due to the strength of the high-pressure area. The primary weather concern Friday is Liftoff Winds.

Probability of Violating Weather Constraints																																	
Launch Day	30% Primary Concerns: Liftoff Winds, Thick Cloud Layer Rule																																
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<i>Note: 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.</i>																																	
Next Forecast Will Be Issued	As Required																																