



Launch Mission Execution Forecast

Mission: Falcon 9 StarlinkV1.0-L15

Issued: 24 Nov 2020 / 0830L (1330Z)

Valid: 24 Nov 2020 / 2102 – 2123L (25/0202 – 0223Z)



Forecast Discussion: A ridge of high pressure extending along the east coast down into Florida will create breezy onshore winds across the Spaceport again today. While a few clouds or even a light shower may push in from the ocean this evening, the tops of the clouds are expected to be too warm to be a triggered lightning threat. The primary weather concerns for tonight's launch attempt are liftoff winds and cumulus clouds associated with the showers.

Winds will decrease and become southeasterly on Wednesday. This change in direction will tap into slightly more moisture, increasing the potential for a few more clouds or light showers moving towards the coast. Thus, the primary weather concern for a Wednesday evening attempt remains only the Cumulus Cloud Rule.

Probability of Violating Weather Constraints

20%

Primary Concerns: Liftoff Winds, Cumulus Cloud Rule

Weather Conditions

Weather/Visibility: None / 7 mi.

Temp/Humidity: 70°F / 76%

Liftoff Winds (200'): 080° 15 - 20 mph

Clouds

Type Coverage Base (ft) Tops (ft)

Cumulus Scattered 3,000 6,000

Additional Risk Criteria

Upper-Level Wind Shear: Low

Booster Recovery Weather: Moderate

Solar Activity: Low

Probability of Violating Weather Constraints

20%

Primary Concerns: Cumulus Cloud Rule

Weather Conditions

Weather/Visibility: None / 7 mi.

Temp/Humidity: 71°F / 79%

Liftoff Winds (200'): 150° 12 - 17 mph

Clouds

Type Coverage Base (ft) Tops (ft)

Cumulus Scattered 3,000 8,000

Additional Risk Criteria

Upper-Level Wind Shear: Low

Booster Recovery Weather: Low

Solar Activity: Low

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.

Next Forecast Will Be Issued

As Required

24-Hour Delay