# Launch Mission Execution Forecast

**Mission**: Atlas V KA-07
**Issued**: 28-May-26 / 0800L (1200Z)
29-May-26 / 1933 – 2003L (2333 – 30/0003Z)
**Valid**: 30-May-26 / 1912 – 1942L (2312 – 2342Z)

**Forecast Discussion:** The subtropical ridge axis will be south of the Spaceport by Friday. For the next several days, an influx of moisture and westerly-to-southwesterly low-level winds will bring prime conditions for afternoon showers and thunderstorms along the east coast of Florida. For both the primary and backup launch days, there is high likelihood of weather violations. Almost every rule will have a chance to violate but the Cumulus Cloud Rule, Anvil Cloud Rules, and Surface Electric Fields Rule are the most likely.

## Launch Day

### Probability of Violating Weather Constraints[1]

**70%**

**Primary Concerns:** Cumulus Cloud Rule , Anvil Cloud Rules , Surface Electric Fields Rule

| Weather Conditions | | | | | | | Additional Risk Criteria[2] |
|---|---|---|---|---|---|---|---|
| | | Clouds | | | | | |
| | | Type | Coverage | Base (ft) | Tops (ft) | | |
| **Weather/Visibility**: | Sct Tstorms / 5 mi | | | | | | |
| **Temp/Humidity**: | 77°F / 95% | Cumulus | Broken | 2,000 | 28,000 | **Solar Activity**: | Low |
| **Ground Winds (230')**: | 040° 5 - 10 knots | Cirrus | Broken | 30,000 | 36,000 | | |

## 24-Hour Delay

### Probability of Violating Weather Constraints

**70%**

**Primary Concerns**: Cumulus Cloud Rule , Anvil Cloud Rules , Surface Electric Fields Rule

| Weather Conditions | | | | | | | Additional Risk Criteria |
|---|---|---|---|---|---|---|---|
| | | Clouds | | | | | |
| | | Type | Coverage | Base (ft) | Tops (ft) | | |
| **Weather/Visibility**: | Sct Tstorms / 5 mi | | | | | | |
| **Temp/Humidity**: | 78°F / 95% | Cumulus | Broken | 2,000 | 28,000 | **Solar Activity**: | Low |
| **Ground Winds (230')**: | 240° 8 - 12 knots | Cirrostratus | Broken | 30,000 | 35,000 | | |

## Notes

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 https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf for more information.*

| **Next Forecast Will Be Issued** | AS REQUIRED |
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