



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 6-32

Issued: 21 Dec 23 / 1000L (1500Z)

Valid: 22 Dec 23 / 2300 – 23/0300L (23/0400 – 0800Z)



Forecast Discussion: An extensive high pressure area located along the Eastern U.S. will keep the winds along the Space Coast onshore. This creates a chance of morning coastal showers for the next few days. On Friday evening a weak inverted trough will move near the Spaceport, enhancing the cloud coverage. The primary weather concerns for Friday evening are the Thick Cloud Layers Rule and Cumulus Cloud Rule associated with the trough and onshore flow.

This trough should be out of the area by Saturday evening's attempt, lowering the threat of clouds and showers. The primary launch weather concerns Saturday evening remain the Cumulus Cloud Rule and Thick Cloud Layers Rule.

| Probability of Violating Weather Constraints ¹ | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------------------------|-----------------------|----------------------------------|-----------|------------------------|-----|------|----------|-----------|-----------|----------------|------------|---------|-----------|-------|--------|-----------------------|------------------|--------------|-----------|--------|--------|
| Launch Day | 30%→40% Primary Concerns: Thick Cloud Layers Rule, Cumulus Cloud Rule | | | | | | | | | | | | | | | | | | | | | | |
| | Weather Conditions | | | | | | | | | | | | | | | | | | | | | | |
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| Additional Risk Criteria ² | | | | | | | | | | | | | | | | | | | | | | | |
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| Probability of Violating Weather Constraints | | | | | | | | | | | | | | | | | | | | | | | |
| 24-Hour Delay | 20% Primary Concerns: Cumulus Cloud Rule, Thick Cloud Layers Rule | | | | | | | | | | | | | | | | | | | | | | |
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| Solar Activity: | Low | | | | | | | | | | | | | | | | | | | | | | |
| Notes | 1. The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring any random time 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 | | | | | | | | | | | | | | | | | | | | | | |