



Launch Mission Execution Forecast



Mission: Falcon 9 CRS-34

Issued: 14-May-26 / 1330L (1730Z)

Valid: 15-May-26 / 1755 – 1815L (2155 – 2215Z)
 16-May-26 / 1732 – 1852L (2132 – 2252Z)
 17-May-26 / 1707 – 1727L (2107 – 2127Z)

Forecast Discussion: High pressure will build over central Florida through Friday, creating drier conditions across the Spaceport. Although any showers that develop are expected to remain south of the Spaceport, there is a small risk of a Cumulus Cloud Rule violation for the primary launch attempt. For the backup day, an upper-level shortwave trough will increase instability and potential for sea breeze activity. Showers should push inland toward Orlando by late Saturday afternoon, with weak upper-level northwesterly flow possibly nudging storm anvils toward the pad. This will cause concern for the Cumulus Cloud Rule and Anvil Cloud Rules for back up opportunity. On Sunday, additional moisture arrives, increasing the chances of showers. Much of the thunderstorm activity will be on the west coast by late in the day, as easterly flow will drive the east coast sea breeze across the state. However, cumulus cloud growth and possible anvils will be a watch item for the second back up opportunity.

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Launch Day	10% Primary Concerns: Cumulus Cloud Rule																								
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Not	<ol style="list-style-type: none"> 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. <p style="text-align: center;">See Launch FAQ https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html for more information</p>																								
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