



Launch Mission Execution Forecast



Mission: Falcon Heavy Viasat 3F3
Issued: 28-Apr-26 / 1115L (1515Z)
Valid: 29-Apr-26 / 1006 – 1151L (1406 – 1551Z)
 30-Apr-26 / 1002 – 1147L (1402 – 1547Z)

Forecast Discussion: A north to south oriented area of high pressure will nose its way down the eastern seaboard today before centering offshore Florida into Wednesday. Available moisture is very limited to the lowest parts of the atmosphere, which should limit the threat for any more Atlantic showers the rest of today. Winds veer southerly or even south-southwesterly into Wednesday with the high settling southwards, with increasing mid-level moisture as an upper-level disturbance moves to the north. No significant precipitation threat is currently expected on Wednesday, but mid and upper-level cloud cover will be on the increase. The Thick Cloud Layers Rule will be the main concern for a Wednesday morning attempt.

A very slow-moving front reaches North Florida Thursday morning with models considerably less progressive with this feature than in previous runs. Stronger offshore flow will limit east coast sea breeze development to well after the backup window, if at all, with the front too far north to provide a boost to shower development without additional daytime heating. The main concern for the backup opportunity will remain for Thick Cloud Layers Rule violations with the continuing upper jet and frontal induced mid-level cloudiness, though Cumulus Clouds may play a role late in the window with a few more hours of heating.

Probability of Violating Weather Constraints ¹																									
Launch Day	10% Primary Concerns: Thick Cloud Layers Rule																								
	Weather Conditions																								
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Notes	<ol style="list-style-type: none"> 1. The Probability of Violation (PoV) is the chance of a range or customer constraint violation occurring at 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 Launch FAQ https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html for more information																								
Next Forecast Will Be Issued	As Needed																								