



Launch Mission Execution Forecast



Mission: Falcon 9 Galileo L13

Issued: 15 Sep 2024 / 1100L (1500Z)

Valid: 16 Sep 2024 / 1844 – 1905L (2244 – 2305Z)

Forecast Discussion: Primary weather factor the next few days is an area of low pressure developing off the northeast coast of Florida over the warm gulf stream waters. As this system deepens and moves north-northwest approaching the Carolinas coastline the circulation will generate convergent bands of clouds and associated showers rotating through most of Florida. Additionally, localized seabreeze convection is expected to develop with boundary collisions probable near the east coast of Florida later on Monday. For Tuesday, as the low migrates northward, drier air will filter into Florida restricting any significant convection from occurring. Primary concerns during the launch windows will be surface electric fields, cumulus clouds, and anvil clouds.

Probability of Violating Weather Constraints ¹																																	
Launch Day	50% Primary Concerns: Surface Electric Fields Rule, Cumulus Cloud Rule, Anvil Cloud Rules																																
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Notes	<ol style="list-style-type: none"> The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring any random time during the launch window. 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																																