



Launch Mission Execution Forecast

Mission Falcon Heavy USSF-52

Issued 10 Dec 23 /0930L (1430Z)

Valid 11 Dec 23 / 2014-2024L (11/0114-0124Z)



Forecast Discussion: A strong frontal system will move through Central Florida this evening, creating scattered showers, and isolated thunderstorms with a threat of strong winds. The cold front is expected to sweep through the Space Coast overnight, clearing away most of the cloud cover, but breezy, northerly winds are expected to continue behind the front. The sole launch weather concern for a Monday evening attempt will be Liftoff Winds.

On Tuesday, the winds will increase and become more easterly as the pressure gradient tightens. This will also bring in more cloud cover from the Atlantic, adding a slight Thick Cloud Layers concern to the increasing Liftoff Wind threat.

Probability of Violating Weather Constraints ¹																					
Launch Day	25% Primary Concerns: Liftoff Winds																				
	Weather Conditions																				
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Additional Risk Criteria²																					
	Upper-Level Wind Shear: Low-Mod Solar Activity: Low																				
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24-Hour Delay	40% Primary Concerns: Liftoff Winds, Thick Cloud Layers Rule																				
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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																				