



Launch Mission Execution Forecast



Mission: Falcon 9 Bluebird 2-2
Issued: 16-Jun-26 / 1025L (1425Z)
Valid: 17-Jun-26 / 0230 – 0426L (0630 – 0826Z)
18-Jun-26 / 0209 – 0405L (0609 – 0805Z)

Forecast Discussion: The surface high pressure currently nosed over the Florida Peninsula will gradually weaken as we move into the middle of the work week. This will promote generally light offshore flow into Wednesday resulting in the peak rain chances during the late afternoon and evening hours with the sea breeze pinned closer to the coastline. Overnight tonight shower activity will wane, leaving the area mostly dry leading into sunrise. By Thursday morning, breezes shift to the south to southwest allowing for some advection of moisture from the south along the coastline slightly increasing shower chances. On both primary and backup launch days, abundant moisture may support a few lingering cells or anvil tops from previous thunderstorms lingering in the vicinity of the Cape with a low concern of violating the Cumulus Cloud Rule and Anvil Cloud Rules.

Launch Day	Probability of Violating Weather Constraints ¹					
	10%	Primary Concerns: Cumulus Cloud Rule, Anvil Cloud Rules				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Visibility: None / 7+ mi	Type	Clouds		Booster Recovery Weather:	Low-Mod
	Temp/Humidity: 80°F / 85%	Cumulus	Coverage	Base (ft)	Solar Activity:	Low
24-Hour Delay	Liftoff Winds (200'): 250° 7 - 12 mph	Cirrostratus	Scattered	2,000	10,000	
				25,000	27,000	
	Probability of Violating Weather Constraints ¹					
	15%	Primary Concerns: Cumulus Cloud Rule, Anvil Cloud Rules				
	Weather Conditions				Additional Risk Criteria	
Notes	Weather/Visibility: None / 7+ mi	Type	Clouds		Booster Recovery Weather:	Low-Mod
	Temp/Humidity: 81°F / 85%	Cumulus	Coverage	Base (ft)	Solar Activity:	Low
	Liftoff Winds (200'): 210° 10 - 15 mph	Cirrostratus	Scattered	2,000	15,000	
				25,000	28,000	
	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 Required				