

## **Launch Mission Execution Forecast**

Mission: Falcon 9 Starlink 5-11

**Issued**: 11 Jun 2023 / 0900L (1300Z)

**Valid**: 12 Jun 2023 / 0240 – 0522L (0640 – 0922Z)



**Forecast Discussion**: No significant changes to today's update. The combination of deep offshore flow and the early morning launch window will bring favorable conditions for both the primary and backup days. The weak boundary that was in Central Florida yesterday has now pushed well to our north as a warm front. Today, shower and storms along the Space Coast will diminish after sunset, then isolated offshore showers will likely develop over the Gulf Stream overnight. Any activity will stay over the Atlantic waters in the early morning hours Monday due to the westerly flow. The primary concern for the primary launch day is the small risk of a Cumulus Cloud Rule violation.

The backup day looks very similar to the primary day, with continued westerly flow keeping any shower activity offshore overnight. Both the POV and primary concern are the same as the primary day.

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	Probability of Violating Weather Constraints <sup>1</sup>										
Day	10% Primary Concerns: Cumulus Cloud Rule										
ch	Weather Conditions								Additional Risk Criteria <sup>2</sup>		
aunch	Weather/Visi	bility:	None /7 r	ni.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low	
7	Temp/Humid	ity:	77°F / 90%	ó	Cumulus	Few	2,500	7,000	Booster Recovery Weather:	Low	
	Liftoff Winds	(200'):	240° 10 - 1	I5 mph					Solar Activity:	Low	
	Probability of Violating Weather Constraints										
Delay	10% Primary Concerns: Cumulus Cloud Rule										
	Weather Conditions							Additional Risk Criteria			
24-Hour	Weather/Visibility: None / 7 mi.			Туре	Cloud: Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low		
24	Temp/Humid	ity:	77°F / 85%	ó	Cumulus	Few	2,500	7,000	Booster Recovery Weather:	Low	
	<b>Liftoff Winds (200')</b> : 260° 12 - 17 mph							Solar Activity:	Low		
Notes											
u	See <a href="https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf">https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf</a> for more information										
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