

## **Launch Mission Execution Forecast**

Mission: Falcon 9 Starlink 6-11

 Issued:
 25 Aug 2023 / 0830L (1230Z)

 Valid:
 26 Aug 2023 / 2112 - 2330L (27/0112 - 0330Z)



**Forecast Discussion**: A high pressure ridge along the Atlantic coast will continue to be the dominant feature through Sunday, so unseasonably dry conditions will persist through the launch window. With little moisture to tap into, northeasterly flow will bring only very isolated low-topped showers over the Space Coast. Therefore, the primary concern during the launch window will be the Cumulus Cloud Rule. On Sunday, the ridge weakens and shifts further into the Atlantic while a broad area of low pressure begins to develop in the western Caribbean/Yucatan. The primary concern during the backup window will be the Cumulus Cloud Rule as shower chances increase and onshore winds begin to shift east to southeasterly.

	Probability of Violating Weather Constraints <sup>1</sup>									
Day	5%	Primary Concerns: Cumulus Cloud Rule								
nch		Weather	Additional Risk Criteria <sup>2</sup>							
Laun	Weather/Visibility:	None / 7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low		
	Temp/Humidity:	82°F / 75%	Cumulus	Scattered	2,500	5,000	Booster Recovery Weather:	Low		
	Liftoff Winds (200'	): 050° 10 - 15 mph					Solar Activity:	Low		
	Probability of Violating Weather Constraints									
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Dela	20%	Primary Concerns: Cumulus Cloud Rule									
our I	Weather Conditions							Additional Risk Criteria			
P H	Weather/Visibility: None / 7 n		ni.	Clouds				Upper-Level Wind Shear:	Low		
	<b>-</b>		,	Туре	Coverage	Base (ft)	Tops (ft)				
24-	Temp/Humidity:	82°F / 80%	0	Cumulus	Few	2,500	10,000	Booster Recovery Weather:	LOW		
	Liftoff Winds (200'): 100° 10 - 15 mph							Solar Activity:	Low		
Notes	<ol> <li>The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring any random time during the launch window</li> <li>Additional Risk Criteria, which are not included in the PoV, are mission-specific constraints that may not include all phenomena within each risk factor.</li> </ol>										
ž	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										
Next	Forecast Will E	Be Issued	As Requ	ired							