

24

Notes

1. 2.

Temp/Humidity:

Next Forecast Will Be Issued

75°F / 76%

Liftoff Winds (200'): 110° 10 - 15 mph

## Launch Mission Execution Forecast

Falcon 9 Starlink 5-9 Mission: 12 May 2023 / 0900L (1300Z) Issued: Valid:

Cumulus

As Required

14 May 2023 / 0048-0441L (0448-0841Z)



Forecast Discussion: Remnants of a weak surface boundary will move from the Atlantic coastal waters across the state today with our highest chances of showers and isolated thunderstorms by late-morning through early afternoon. The activity will continue to progress westward with help from the seabreeze allowing for clearing conditions along the coast by the evening hours. Overnight and into tomorrow, high pressure will build in from the north bringing drier conditions across the Space Coast. Onshore flow will persist through the overnight hours with only a slight concern for the Cumulus Cloud Rule during the launch window. For the backup day, moisture begins to return as high pressure moves eastward over the Atlantic, so chances of onshore showers will slowly increase.

	Probability of Violating Weather Constraints <sup>1</sup>								
Launch Day	5% Primary Concerns: Cumulus Cloud Rule								
	Weather Conditions							Additional Risk Criteria <sup>2</sup>	
	Weather/Visi	bility:	None / 7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
	Temp/Humid	l <b>ity</b> :	75°F / 71%	Cumulus	Few	2,000	4,500	Booster Recovery Weather:	Low
	Liftoff Winds	<b>s (200')</b> :	100° 10 - 15 mph	Cirrus	Scattered	26,000	30,000	Solar Activity:	Low
	Probability of Violating Weather Constraints								
our Delay	10% Primary Concerns: Cumulus Cloud Rule								
	Weather Conditions							Additional Risk Criteria	
-Ho	Weather/Visi	bility:	None / 7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low

Few

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

1.500

5.000

Booster Recovery Weather: Low

Low

Solar Activity: