

## **Launch Mission Execution Forecast**

**Mission**: Falcon 9 Starlink 4-14

lssued: Valid:

d: 20 Apr 2022/ 0900L (1300Z) 21 Apr 2022/ 1104 – 1404L (1504 – 1804Z)



**Forecast Discussion**: Another beautiful, sunny day is expected across Florida as high pressure sets up across the Deep South and eastern CONUS. The high pressure ridge will shift off of New England Thursday and Friday. While the weather will be pleasant and sunny, the tight pressure gradient on the southwestern flank of the ridge will maintain breezy to windy conditions across the Spaceport through the end of the week. The only concern for the primary and backup launch window will be Liftoff Winds.

	Probability of Violating Weather Constraints <sup>1</sup>									
Day	30%	Prima	ary Conce							
Ich	Weather Conditions								Additional Risk Criteria <sup>2</sup>	
aunch	Weather/Visibility: None			ni.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
Ľ	Temp/Humidity:		75°F / 60%		Cumulus	Scattered	3,500	4,500	Booster Recovery Weather:	Low
	Liftoff Winds (200'):		080° 17 - 22 mph						Solar Activity:	Low
	Probability of Violating Weather Constraints									
Delay	50%	Primary Concerns: Liftoff Winds								
	Weather Conditions								Additional Risk Criteria	
24-Hour	Weather/Visibility: Iso Shower			rs / 7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
24	Temp/Humidity:		75°F / 70%		Cumulus	Scattered	3,500	4,500	Booster Recovery Weather:	Low
	Liftoff Winds (200'): 060° 20 - 25			25 mph					Solar Activity:	Low
Notes	<ol> <li>The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring anytime 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>									
<b>Note</b> : The Probability of Violation (POV) is the chance that a Lightning Launch Commit Criteria (LLCC) or certain user constraints (surface winds, precipitation, and temperatures, etc.) will be violated during the launch window. It does not take into account upper-level wind shear, booster recovery weather, and solar activity.										
Next Forecast Will Be Issued As Required										