



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink-L24

Issued: 26 Apr 2021 / 0900L (1300Z)

Valid: 27 Apr 2021 / 2305 – 28/0106L (28/0305 – 0506Z)



Forecast Discussion: High pressure will build to our northeast today, and gradually slide eastward through the week. Plentiful sunshine and pleasant weather will prevail. However, a tightening pressure gradient around the high will keep brisk flow of 15-20 mph. As a result, the primary concern during the launch early Wednesday morning will be Liftoff Winds.

Wednesday through early Thursday, the high pressure ridge will slide farther eastward into the Atlantic, and quiet weather with breezy flow will continue across the Spaceport. Winds will shift to the southeast. The primary concern for the backup window will continue to be Liftoff Winds.

		Probability of Violating Weather Constraints				
Launch Day	20%	Primary Concerns: Liftoff Winds				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: None / 7 mi.	Clouds			Upper-Level Wind Shear: Moderate	
	Temp/Humidity: 69°F / 80%	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low
Liftoff Winds (200'): 110° 15 - 20 mph	Cumulus	Scattered	2,500	3,500	Solar Activity: Low	
		Probability of Violating Weather Constraints				
24-Hour Delay	20%	Primary Concerns: Liftoff Winds				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: None / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
	Temp/Humidity: 70°F / 80%	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low
Liftoff Winds (200'): 130° 15 - 20 mph	Cumulus	Scattered	2,500	3,500	Solar Activity: Low	
<i>Note: 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.</i>						
Next Forecast Will Be Issued		27 Apr 2021				