

Launch Mission Execution Forecast

Falcon 9 Starlink 4-9 Mission:

2 Mar 2022 / 0830L (1330Z) Issued:

Valid: 3 Mar 2022 / 0925 – 1105L (1425 – 1605Z)



Forecast Discussion: The weather forecast remains largely unchanged as models have been fairly consistent with the synoptic pattern. High pressure is expected to move across the northern Gulf of Mexico through the period. This will create a northeast flow across the Spaceport. It is possible that a few cumulus clouds could be in the area, but the overall impact is expected to be negligible.. The primary concern is the Cumulus Cloud Rule.

In the event of a 24-hour delay, the surface ridge continues to move off to the east. This will create more of an easterly component to the surface winds. Again, there is a possibility of some cumulus clouds, but at this time, they are not expected to be a problem for launch. The primary concern is Cumulus Cloud Rule.

Day	10% Primary Concerns: Cumulus Clouds								
ch	Weather Conditions						Additional Risk Criteria ²		
aunch	Weather/Visil	oility:	None /7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
Ľ	Temp/Humidi	ity:	67°F / 78%	Cumulus	Scattered	2,500	5,000	Booster Recovery Weather:	Low
	Liftoff Winds	(200'):	040° 12 – 17 mph					Solar Activity:	Low
	Probability of Violating Weather Constraints								
			PIOL	Dability of V	riolating w	eatrier	Constra		
Jelay	10%	Prima	ary Concerns: Cur	-		eather	Onstra	iiitis	
	10%	Prima	ary Concerns: Cur	-			Constra	Additional Risk Cr	iteria
-Hour Delay	10% Weather/Visil		ary Concerns: Cur	nulus Clouds			Tops (ft)		iteria Low
24-Hour Delay		oility:	ary Concerns: Cur Weathe	nulus Clouds	ns Clouds			Additional Risk Cr	
	Weather/Visil	oility:	weathe	nulus Clouds er Condition	ns Clouds Coverage	Base (ft)	Tops (ft)	Additional Risk Cr Upper-Level Wind Shear:	Low

Next Forecast Will Be Issued AS REQUIRED