

Launch Mission Execution Forecast

 Mission:
 Falcon 9 Starlink 4-8

 Issued:
 20 Feb 22 / 0900L (1400Z)

 Valid:
 21 Feb 22 / 0934 - 1122L (1434 – 1622Z)



Forecast Discussion: High pressure positioned over Virginia will bring easterly winds across the Space Coast today, moderating temperatures. On Monday, a low pressure system will develop in the Great Plains region, but high pressure will remain in control over Central Florida, keeping favorable launch conditions at the Spaceport. The primary weather concern Monday is the Cumulus Cloud Rule, associated with the flow around the periphery of the high pressure area. On Tuesday, expect much the same conditions as high pressure continues to dominate the Southeast U.S., pushing

the low pressure area into the Mid-West. The primary weather concern remains the Cumulus Cloud Rule.

	Probability of Violating Weather Constraints ¹								
ich Day	10%	10% Primary Concerns: Cumulus Cloud Rule							
	Weather Conditions							Additional Risk Criteria ²	
aunch	Weather/Visibility: None / 7 mi.		ni.	Clouds Type Coverage Base (ft) Tops (ft)			Upper-Level Wind Shear:	Low	
Ľ	Temp/Humid	ity: 72°F / 82%	6	Cumulus	Few	3,000	8,000	Booster Recovery Weather:	Low-Mod
	Liftoff Winds	(200') : 110° 10 -	15 mph					Solar Activity:	Low
	Probability of Violating Weather Constraints								
Delay	10% Primary Concerns: Cumulus Cloud Rule								
	Weather Conditions						Additional Risk Criteria		
24-Hour	Weather/Visibility: None / 7 mi.		T	Cloud	-		Upper-Level Wind Shear:	Moderate	
-				Туре	Coverage	Base (ft)	Tops (ft)		
5	Temp/Humid	ity: 74°F / 82%	6	Cumulus	Coverage Few	Base (ft) 3,000	Tops (ft) 10,000	Booster Recovery Weather:	Low
5		ity: 74°F / 829 5 (200') : 140° 10 -	-		Ū	. ,	• • • •	Booster Recovery Weather: Solar Activity:	Low Low
Notes 24	Liftoff Winds	a (200') : 140° 10 - bility of Violation (Po Risk Criteria, which a	15 mph /) is the chang re not include	Cumulus ce of a local safe d in the PoV, are	Few ety or customer of e mission-specifi	3,000 constraint vic ic constraints	10,000 lation occurri that may no	-	Low w.