

Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 6-4

Issued: 3 June 2023 / 0630L (1030Z)

Valid: 4 Jun 2023 / 0548-0841L (0948-1241Z)



Forecast Discussion: The rapidly weakening TS Arlene near the NW coast of Cuba is forecast to dissipate into tonight, with a second trough developing north of the Bahamas. The changes in sensible weather across the Spaceport will be minimal with abundant moisture and upper-level trough still in place. There will be periods of onshore moving showers and storms, with the highest coverage in the first half of the day, before activity focuses more inland in the afternoon. The model trend has been for a little less precipitation coverage going into Sunday as another weak low develops along the second trough and backs winds more NNW, or offshore. However, there will still be quite a bit of moisture around and passing clouds and showers can't be ruled out for the primary launch window Sunday morning.

High pressure settling into the southeastern US will push a weak boundary through Monday morning, which will likely be transiting the area during the backup launch window. This will bring a push of showers and storms and increasing north-northeast flow through the window.

	Probability of Violating Weather Constraints ¹					
Day	Primary Concerns: Cumulus Cloud Rule, Surface Electric Fields Rule					
ch	Additional Risk Criteria ²					
aunch	nd S	hear:	Low			
Ĭ	ry V	Veather	Low			
			Low			
	Probability of Violating Weather Constraints					
Delay	60% Primary Concerns: Cumulus Cloud Rule, Surface Electric Fields Rule					
	Additional Risk Criteria					
	- d C	hear:	Low			
우	iu 3	Veather	Low			
24-Hour			Low			
24-Ho		 The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring any random time during the launch v Additional Risk Criteria, which are not included in the PoV, are mission-specific constraints that may not include all phenomena within each risk 				
	e ry V					
Notes 24-Ho	durin					
24-Ho						