



Launch Mission Execution Forecast

Mission: SpaceX Falcon 9 (StarlinkV1.0-L8)

Issued: 12 Jun 2020 / 0930L (1330Z)

Valid: 13 Jun 2020 / 0451-0552L (0851 – 0952Z)



Forecast Discussion: A brief shot of drier air will be in place across the Spaceport today, with very limited shower and thunderstorm chances. A weak frontal boundary across North Florida will continue drifting south through the day, which along with a boost in moisture from the tropics will bring increasing clouds and a few onshore moving Atlantic showers overnight. The primary weather concern for the launch window will be cumulus clouds associated with the onshore moving showers. Conditions will be less favorable for the backup window on Sunday with more cloud cover and higher coverage of showers and storms moving onshore from the Atlantic. The primary weather concerns for the backup launch window will be cumulus clouds and thick cloud layers.

		Probability of Violating Weather Constraints				
Launch Day	30%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: Isold. Showers / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
		Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity: 76°F / 80%	Cumulus	Scattered	2,500	8,000	Booster Recovery Weather: Low	
Liftoff Winds (200'): 100° 10 - 15 mph	Cirrus	Scattered	25,000	35,000	Solar Activity: Low	
		Probability of Violating Weather Constraints				
24-Hour Delay	40%	Primary Concerns: Cumulus Cloud Rule, Thick Cloud Layer Rule				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: Isold Showers / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
		Type	Coverage	Base (ft)	Tops (ft)	
Temp/Humidity: 76°F / 80%	Cumulus	Broken	2,000	8,000	Booster Recovery Weather: Low	
Liftoff Winds (200'): 090° 10 - 15 mph	Alto cumulus	Broken	10,000	15,000	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		As Needed				