



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink-L20

Issued: 10 March 2021 / 1000L (1500Z)

Valid: 11 March 2021 / 0213-0414L (0713-0914Z)



Forecast Discussion: High pressure continues to dominate the area with persistent onshore flow. Winds will be a little gustier during the maximum heating hours from mid-morning until sunset, while brief coastal showers are most likely from the early morning hours through noon. The primary weather concerns for a launch attempt early Thursday morning are liftoff winds and the Cumulus Cloud Rule.

Expect no significant changes Friday as the high pressure area remains parked near Bermuda. The primary weather concerns remain liftoff winds and the Cumulus Cloud Rule.

		Probability of Violating Weather Constraints			
		10%			
Launch Day	Primary Concerns: Liftoff Winds, Cumulus Cloud Rule				
	Weather Conditions			Additional Risk Criteria	
	Weather/Visibility: None / 7 mi.	Clouds			Upper-Level Wind Shear: Low
	Temp/Humidity: 60°F / 85%	Type	Coverage	Base (ft)	Tops (ft)
Liftoff Winds (200'): 080° 12 - 17 mph	Stratocumulus	Scattered	3,500	5,000	Booster Recovery Weather: Low
	Cirrostratus	Scattered	28,000	30,000	Solar Activity: Low
		Probability of Violating Weather Constraints			
		20%			
24-Hour Delay	Primary Concerns: Liftoff Winds, Cumulus Cloud Rule				
	Weather Conditions			Additional Risk Criteria	
	Weather/Visibility: None / 7 mi.	Clouds			Upper-Level Wind Shear: Low
	Temp/Humidity: 64°F / 82%	Type	Coverage	Base (ft)	Tops (ft)
Liftoff Winds (200'): 090° 12 - 17 mph	Stratocumulus	Scattered	3,500	5,000	Booster Recovery Weather: Low
	Cirrostratus	Scattered	25,000	28,000	Solar Activity: Low
<p>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.</p>					
Next Forecast Will Be Issued		As Required			