



Launch Mission Execution Forecast



Mission: Falcon 9 StarlinkV1.0 L-16

Issued: 19 Jan 2021 / 0800L (1300Z)

Valid: 20 Jan 2021 / 0757 – 0808L (1257 – 1308Z)

Forecast Discussion: High pressure will continue to dominate the area, bringing pleasant days along the Space Coast for the first half of the week. Winds will continue to be light on Wednesday, shifting to the northwest, and upper-level winds begin to increase slightly as the jet dips further into the southeastern states. Moisture slightly increases over the Spaceport Wednesday morning, increasing the potential for low-topped cumulus clouds to develop. This will cause the primary concern to be the Cumulus Cloud Rule for a Wednesday launch attempt.

Launch Day	Probability of Violating Weather Constraints					
	10%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: None / 7 mi.	Clouds			Upper-Level Wind Shear: Low	
	Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low	
Temp/Humidity: 58°F / 65%	Cumulus	Few	3,000	4,500	Solar Activity: Low	
Liftoff Winds (200'): 330° 10-15 mph						

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.

Next Forecast Will Be Issued As needed