



Launch Mission Execution Forecast



Mission: Falcon 9 Starlink 10-58
Issued: 01-Apr-26 / 1030L (1430Z)
Valid: 02-Apr-26 / 0752 – 1152L (1152 – 1552Z)
 03-Apr-26 / 0900 – 1300L (1300 – 1700Z)

Forecast Discussion: Surface high pressure and low-level onshore flow will continue today causing partly cloudy skies and occasional foolish showers. An easterly wave embedded in the prolonged onshore flow will impact the Space Coast tomorrow morning. This will enhance rain shower development, especially in the late morning when combined with daytime heating and localized sea breeze effects. The Cumulus Cloud Rule will be a growing concern throughout tomorrow's launch window, along with the Surface Electric Fields Rule if showers gain intensity. On Friday, the east coast sea breeze is expected to form and push inland, which may provide valuable subsidence over the Spaceport to inhibit cumulus growth. Decreased instability and moisture aloft will also dampen overall shower coverage for the area, further improving conditions on the backup day.

Launch Day		Probability of Violating Weather Constraints ¹				
Launch Day	40→60%	Primary Concerns: Cumulus Cloud Rule , Surface Electric Fields Rule				
	Weather Conditions				Additional Risk Criteria ²	
	Weather/Visibility: Sct Showers / 7+ mi	Type	Clouds Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low
	Temp/Humidity: 75°F / 85%	Cumulus	Broken	2,000	15,000	Solar Activity: Low
Liftoff Winds (200'): 120° 12 - 18 mph	Cirrostratus	Broken	25,000	40,000		
24-Hour Delay		Probability of Violating Weather Constraints ¹				
24-Hour Delay	30%	Primary Concerns: Cumulus Cloud Rule				
	Weather Conditions				Additional Risk Criteria	
	Weather/Visibility: Isol Showers / 7+ mi	Type	Clouds Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather: Low
	Temp/Humidity: 75°F / 80%	Cumulus	Scattered	2,500	8,000	Solar Activity: Low
Liftoff Winds (200'): 110° 15 - 20 mph						
Notes		<ol style="list-style-type: none"> The Probability of Violation (PoV) is the chance of a range or customer constraint violation occurring at any random time during the launch window. Additional Risk Criteria, which are not included in the PoV, are mission-specific constraints that may not include all phenomena within each risk factor. See Launch FAQ https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html for more information				
Next Forecast Will Be Issued		As Required				