



Launch Mission Execution Forecast

Mission: Falcon 9 Starlink 6-104

Issued: 20 Feb 2026 / 0900L (1400Z)

Valid: 21 Feb 2026 / 2104 – 22/0104L (22/0204 – 0604Z)



Forecast Discussion: The upper-level ridge and surface high which have provided dry conditions and warmer temperatures this week will move offshore this weekend. On Saturday, a low will strengthen over Alabama/Georgia and then push off into the Atlantic by Sunday, dragging a cold front through the Space Coast on Sunday afternoon. For the primary launch window, favorable conditions are expected due to subsidence and dry air aloft from the departing high. Minimal cloud cover and light, southwesterly winds are expected throughout the window. For the backup day, conditions become less favorable as strong northerly winds behind the afternoon frontal passage may violate user wind constraints. Wind speeds will trend upward throughout the backup window, causing increased probability of violation. Frontal showers and thunderstorms will be well off into southern Florida by the launch window, making elevated winds the primary concern.

Launch Day		Probability of Violating Weather Constraints ¹																	
		<5%		Primary Concerns: None															
		Weather Conditions				Additional Risk Criteria ²													
		Weather/Visibility: None / 7 mi.		<table border="1"> <thead> <tr> <th colspan="4">Clouds</th> </tr> <tr> <th>Type</th> <th>Coverage</th> <th>Base (ft)</th> <th>Tops (ft)</th> </tr> </thead> <tbody> <tr> <td>Cumulus</td> <td>Few</td> <td>3,000</td> <td>7,000</td> </tr> </tbody> </table>		Clouds				Type	Coverage	Base (ft)	Tops (ft)	Cumulus	Few	3,000	7,000	Upper-Level Wind Shear: Low	
Clouds																			
Type	Coverage	Base (ft)	Tops (ft)																
Cumulus	Few	3,000	7,000																
		Temp/Humidity: 66°F / 90%				Booster Recovery Weather: Low													
		Liftoff Winds (200'): 230° 5 - 10 mph				Solar Activity: Low													
24-Hour Delay		Probability of Violating Weather Constraints																	
		30→50%		Primary Concerns: Liftoff Winds															
		Weather Conditions				Additional Risk Criteria													
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Clouds																			
Type	Coverage	Base (ft)	Tops (ft)																
Cirrus	Few	35,000	40,000																
		Temp/Humidity: 55°F / 55%				Booster Recovery Weather: Low													
		Liftoff Winds (200'): 320° 26 - 34 mph				Solar Activity: Low													
Notes		<ol style="list-style-type: none"> The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring 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																	