



# Launch Mission Execution Forecast



**Mission:** New Glenn AST Bluebird 7  
**Issued:** 17-Apr-26 / 0830L (1230Z)  
**Valid:** 19-Apr-26 / 0645-0845L (1045-1245Z)  
 20-Apr-26 / 0645-0845L (1045-1245Z)

**Forecast Discussion:** A surface ridge of high pressure extending from Bermuda through Central Florida will remain nearly stationary through tomorrow, resulting in mainly dry weather with a westward-moving seabreeze each afternoon. The ridge axis will weaken and get suppressed south as a front approaches the area Sunday, with this front moving across Central Florida on Monday. Generally favorable launch weather conditions are anticipated ahead of the front with a combination of shallow cumulus clouds and higher cirrus clouds locally early Sunday; however, the backup launch opportunity offers a significantly higher risk of unacceptable launch weather conditions with the front in the neighborhood and winds increasing immediately behind this boundary.

Probability of Violating Weather Constraints <sup>1</sup>																																
<b>Launch Day</b>	<b>10%</b> <b>Primary Concerns:</b> Cumulus Cloud Rule , Thick Cloud Layers Rule																															
	Weather Conditions																															
	Additional Risk Criteria <sup>2</sup>																															
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<b>Notes</b>	<ol style="list-style-type: none"> <li>The Probability of Violation (PoV) is the chance of a range or customer constraint violation occurring at any random time during the launch window.</li> <li>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 <b>Launch FAQ</b> <a href="https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html">https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html</a> for more information</li> </ol>																															
	<b>Next Forecast Will Be Issued</b> 18 April 2026																															