



# Launch Mission Execution Forecast



**Mission:** Falcon 9 Starlink 6-103

**Issued:** 2 Feb 2026 / 1000L (1500Z)

**Valid:** 3 Feb 2026 / 1712 – 2112L (2212 – 0212Z)

**Forecast Discussion:** A cold start to this morning, but temperatures will gradually warm through tomorrow as high pressure builds in from the west. Wind will also decrease nicely into Tuesday as a result. The weather looks ideal for launch Tuesday evening with a nearly cloudless sky and light winds. For the backup window Wednesday, a new cold front will approach out of the northwest, bringing a slight increase in cloud cover, winds, and rain chances, though POV will remain low overall. Solar Activity will continue to be in the moderate range through midweek due to an ongoing M and X-class flare event.

| Probability of Violating Weather Constraints <sup>1</sup> |  |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
|---|--|--|-----------|----------------------------------|---------|------------------------|-----|------|----------|-----------|-----------|----------------------------------|---------|-----------|-------|-------|--|-------------|-----------|--------|--------|
| <b>Launch Day</b>   | <b>&lt;5%</b> Primary Concerns: None   |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
|   | Weather Conditions   |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
|   | <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;"><b>Weather/Visibility:</b> None / 7 mi.</td> <td style="width: 10%;"></td> <th colspan="3" style="text-align: center;">Clouds</th> </tr> <tr> <td></td> <td style="text-align: center;">Type</td> <td style="text-align: center;">Coverage</td> <td style="text-align: center;">Base (ft)</td> <td style="text-align: center;">Tops (ft)</td> </tr> <tr> <td><b>Temp/Humidity:</b> 57°F / 50%</td> <td style="text-align: center;">Cumulus</td> <td style="text-align: center;">Few</td> <td style="text-align: center;">2,500</td> <td style="text-align: center;">4,000</td> </tr> <tr> <td><b>Liftoff Winds (200'):</b> 060° 5 - 10 mph</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>  | <b>Weather/Visibility:</b> None / 7 mi.        |           | Clouds                           |         |                        |     | Type | Coverage | Base (ft) | Tops (ft) | <b>Temp/Humidity:</b> 57°F / 50% | Cumulus | Few       | 2,500 | 4,000 | <b>Liftoff Winds (200'):</b> 060° 5 - 10 mph |             |           |        |        |
|   | <b>Weather/Visibility:</b> None / 7 mi.  |  | Clouds    |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
|   | Type   | Coverage                                       | Base (ft) | Tops (ft)                        |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
| <b>Temp/Humidity:</b> 57°F / 50%                          | Cumulus  | Few  | 2,500     | 4,000                            |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
| <b>Liftoff Winds (200'):</b> 060° 5 - 10 mph              |  |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
| Additional Risk Criteria <sup>2</sup>                     |  |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
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| <b>Upper-Level Wind Shear:</b>                            | Low  |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
| <b>Booster Recovery Weather:</b>                          | Low-Mod  |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
| <b>Solar Activity:</b>                                    | Mod  |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
| Probability of Violating Weather Constraints              |  |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
| <b>24-Hour Delay</b>                                      | <b>15%</b> Primary Concerns: Cumulus Cloud Rule  |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
|   | Weather Conditions   |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
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|   | <b>Weather/Visibility:</b> Iso Showers / 7 mi.   |  | Clouds    |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
|   | Type   | Coverage                                       | Base (ft) | Tops (ft)                        |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
| <b>Temp/Humidity:</b> 64°F / 80%                          | Cumulus  | Scattered                                      | 2,500     | 8,000                            |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
| <b>Liftoff Winds (200'):</b> 190° 8 - 12 mph              | AltoCumulus  | Scattered                                      | 10,000    | 15,000                           |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
| Additional Risk Criteria                                  |  |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
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| <b>Solar Activity:</b>                                    | Mod  |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
| <b>Notes</b>  | <ol style="list-style-type: none"> <li>1. The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring any random time during the launch window.</li> <li>2. 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>  |  |           |                                  |         |                        |     |      |          |           |           |                                  |         |           |       |       |  |             |           |        |        |
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