NWS Huntsville: Unsettled Pattern Through Weekend

Current Operation Level

**Minimal Impacts**

**Impact Potential:** Typically no or minimal inconvenience to daily routines.

**Safety:** May pose a direct threat to life and property.

**Minor Impacts**

**Impact Potential:** Typically results in some inconvenience to daily life or minor disruptions to daily life.

**Safety:** Often threatening to life and property, some damage unavoidable. Life saving actions likely necessary.

**Major Impacts**

**Impact Potential:** Typically results in major disruption to daily life.

**Safety:** Property damage likely and life saving actions necessary.

**Significant Impact**

**Impact Potential:** Typically results in significant disruption in daily life or long-lived disruption to daily life.
Bottom Line Up Front

- Memorial Day Weekend will be marked with multiple rounds of storms, some of which may be strong to severe
  - Greatest threats will be hail, wind gusts, and localized heavy rainfall
- Our greatest potential for severe weather will be a line of storms moving through Sunday night into Monday morning
  - Greatest threats with this round will be wind gusts, heavy rainfall, hail, and a tornado or two

What We are Watching

- With so many rounds of storms to monitor, the smallest change could have significant downstream impacts, making it difficult to predict exactly when storms will reach the area and how strong/severe they will be
  - Confidence in timing will be abnormally low with the severe threat this weekend
Today: Low-Medium Severe Potential

Forecast Details - Today through Saturday Morning:

- Chances for showers/storms will increase this afternoon/evening (60-80%)

- Some storms become strong to severe, bringing the following potential threats:
  - **Damaging winds** and **large hail** will be the primary threats with any severe thunderstorms that develop (low-medium confidence)
  - **Locally heavy rainfall/flooding** is a secondary threat (low confidence), flooding is possible where storms move over the same locations.
  - **A tornado or two** cannot be ruled out (very low confidence)

- Confidence in timing for severe potential is low, but will generally be favored from the late afternoon to evening

No changes since last update
Clusters of showers/storms are forecast to increase in coverage/severity into the afternoon and evening hours.

Timing windows remain broad due to uncertainties on where storms will develop.

Important Forecast Changes

These timing windows represent the most likely times for severe weather. It is expected that additional storms will be present outside of these windows, as well.
Saturday-Sunday: Very Low Severe Potential

Forecast Details - Saturday through Sunday Afternoon:

- Low-medium chances (30-50%) of showers/storms continue Saturday through Sunday afternoon, resulting in ponding of water in areas of poor drainage
  - Rainfall Totals Today - Monday Morning: 1-2"

- While small hail and gusty winds are possible in stronger storms that may form, severe potential remains very low

- Confidence in specific timing for these potential storms remains very low, but will generally be diurnally driven Saturday. There will be multiple rounds of storms during this weekend.

The Marginal risk (level 1/5) on Saturday was placed back in by SPC but only clips the S TN Valley
Medium-high chances (50-80%) of showers/storms are possible Sunday night into Monday.

There is a low-medium chance that storms become strong to severe, bringing the following potential threats:

- **Damaging winds** *(medium confidence)*
- **Large hail** *(low confidence)*
- **Tornadoses** *(very low confidence)*

Confidence in timing of severe potential remains low due to uncertainties in the track of the low pressure system.
A line of strong to severe storms will move through the TN Valley Sunday night into Monday morning as a cold front moves in from the northwest.

While additional rounds of storms are expected before and after this window, this timing represents when the most likely severe weather will occur, as of this latest forecast.

Important Forecast Changes
No Significant Changes
Areas Impacted:
- Northern Alabama and southern middle Tennessee

Hazards:
- Damaging Winds (Fri & Sun/Mon)
- Large Hail (Fri & Sun/Mon)
- Locally Heavy Rainfall (Fri - Sun/Mon)
- Tornadoes (Fri & Sun/Mon)

Impacts:
- Power Outages
- Wind Damage
- Hazardous Travel

Confidence:
- Damaging Wind, Hail, and Locally Heavy Rainfall (low to medium confidence)
- Timing (low confidence)
- Tornadoes (very low confidence)

Timing & Duration:
- Friday: Late Morning - Evening
- Sunday/Monday: Sunday night into Monday

Next Update:
- Saturday 7am Email Briefing

Storm Spotter and Emergency Management Activation: Possible

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weather.gov/hun
## Severe Thunderstorm Preparedness

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<tr>
<td><img src="checklist.png" alt="Checklist" /></td>
<td>Prepare and stay aware.</td>
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<tr>
<td><img src="noaa.png" alt="NOAA" /></td>
<td>Have multiple ways to receive warnings.</td>
</tr>
<tr>
<td><img src="indoors.png" alt="Indoors" /></td>
<td>Go indoors and stay away from windows. If outside, do not seek shelter under a tree.</td>
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<tr>
<td><img src="lightning.png" alt="Lightning" /></td>
<td>When you see a flash of lightning or hear thunder, head indoors!</td>
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