

Conditions for Severe Weather

For thunderstorms to develop, the air must become unstable, and the following conditions must be present:

- Abundant moisture, which means relatively high dew point readings.
- Some "trigger" that will make the air lift, which could be an approaching cold front or upper air trough.
- The right atmospheric conditions for unstable air, which means air pressure is dropping.

| Team condition | Weak possibility of severe weather | Moderate possibility of severe weather | Strong possibility of severe weather |
|--|---|--|--------------------------------------|
| Air pressure pressure reading over threatened area | >1010 mb | 1010 to 1005 mb | < 1005 mb |
| Humidity surface dew point readings | 55° F | 56° to 64° F | > 64° F |
| Temperature cold front | Is a cold front moving into the area? If yes, how close is it? | | |
| Wind jet stream | Is a trough approaching the area? If yes, how close is it? | | |