SEVERE THUNDERSTORM REPORTING REFERENCES

CLOUD IDENTIFICATION REFERENCE



Shelf Cloud (A)

- A horizontal, shelf-like cloud on the leading edge of the thunderstorm
- Signals the approach of the downdraft, which includes heavy rain, gusty winds, and sometimes hail
- ID Tip: Slopes away from the rain
- Beware: Shelf clouds can appear to touch the ground, and can look different when viewing from the side
- Can rotate about a **HORIZONTAL** axis
- No need to report to the NWS

Wall Cloud (B)

- A ROTATING lowering from a T-storm updraft base. Often precedes a funnel cloud and tornado.
- Rotation must be about a **VERTICAL** axis
- ID Tip: Slopes down and *towards* the rain

Funnel Cloud (C)

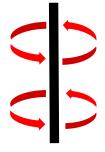
- A VIOLENTLY ROTATING column of air that is NOT in contact with the ground
- Rotation must be about a **VERTICAL** axis
- ID Tip: Rapidly rotating cloud edges look smooth (versus ragged).

Tornado (D)

- A VIOLENTLY ROTATING column of air in contact with the ground
- Rotation must be about a **VERTICAL** axis
- ID Tip: Rapidly rotating cloud edges look smooth (versus ragged). To see if it is contact with the ground, look for debris or dust circulating at the surface.

SCUD (E)

- Harmless, ragged looking clouds that do NOT rotate
- Can move up and down, may look turbulent. May look like they are touching the ground
- Responsible for a majority of false funnel cloud and tornado reports
- ID Tip: Edges of the cloud look ragged (instead of smooth like rapidly rotating clouds).



Rotation about a vertical axis

WIND SPEED ESTIMATION CHART

PLEASE REPORT THE FOLLOWING IMMEDIATELY TO THE NWS

REMEMBER: \underline{T} IME, $\underline{\underline{F}}$ VENT, $\underline{\underline{L}}$ OCATION

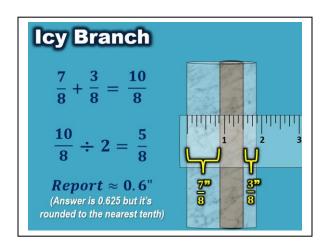
Wind damage
Hail
Compare to coins or sports balls; report the largest stone!
Water rising rapidly, flowing over roads, flooded buildings

Rotation - Wall clouds, funnel clouds, and tornadoes

Snow - In an open area away from fences or drifts; amount of snow (inches to the

nearest tenth, take an average if necessary), impacts from snow

Ice accretion - Take an average of the thickest/thinnest ice, report amounts to nearest 0.1"





HOW TO SUBMIT A STORM REPORT TO NWS JACKSON, KENTUCKY

Toll Free: 606-666-8000



Online Website - https://weather.gov/crh/stormreports?sid=jkl

Twitter - @NWSJacksonKY

Facebook - www.facebook.com/NWSJacksonKY

Amateur Radio -WX4JKL

E-mail - w-jkl.webmaster@noaa.gov spotternetwork.org, cocorahs.org, mping.nssl.noaa.gov



NWS JKL

www.weather.gov/jkl

SkywarnTM page

https://www.weather.gov/jkl/spotter