

Mid Latitude Cyclone Storm System (MLCSS)

1. It has several names. Cyclone, Cyclonic Storm, Cyclonic System, Depression.
2. Cyclonic Storms are the weather maker for mid-latitude locations and create the changeable pattern of weather there.
3. The cyclonic storm consists of a center area of low pressure which anchors the fronts attached to the low. This gives a comma shaped cloud shield on the satellite image.
4. The cyclonic system pulls air masses of very different character together. This results in local thunder storms along the fronts.
5. The cyclonic system can destabilize the atmosphere over a large region of the U.S. causing many areas of thunderstorms that are not located along fronts.
6. The cyclonic systems are short lived (1 week) and migrate moving generally west to east.
7. Cyclonic systems are created by the westerlies and jet stream aloft. The surface low pressure cell is connected to a trof aloft and is created by the trof.