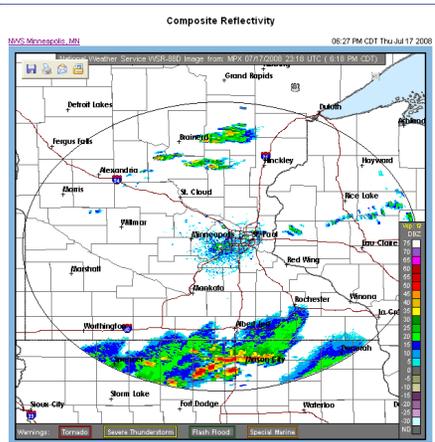


Weather Data

Radar shows areas of precipitation. Greens and blues indicate lighter precipitation intensity while yellows and oranges indicate moderate to heavy precipitation.



Reds and purples indicate heavy to extreme precipitation. Composite reflectivity displays the highest reflectivity from all of the levels that the radar scans. Base reflectivity only shows reflectivity from the lowest scan of the radar.

Find radar data across the country at:
<http://adds.aviationweather.gov/radar/>

ASOS stands for Automated Surface Observing System. AWOS stands for Automated Weather Observing System. Most automated observing platforms are placed near runways where weather conditions are most important.



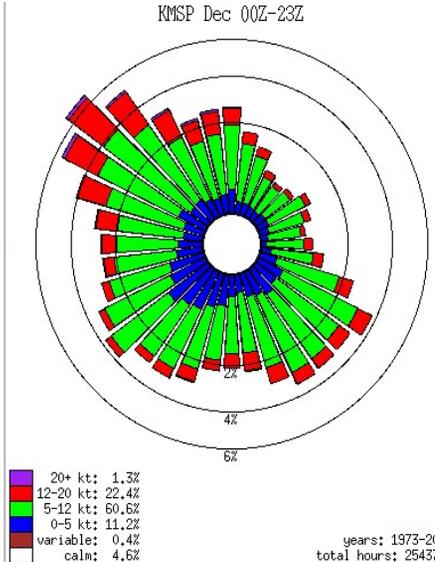
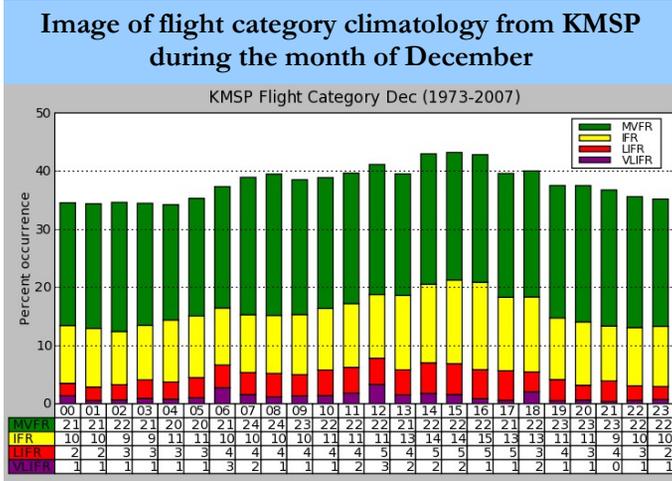
There are differences between ASOS and AWOS and there are also different levels of AWOS equipment. Most sites report wind speed and direction, visibility, cloud coverage, temperature, dewpoint, and barometric pressure. More advanced

AWOS systems will also report precipitation type and have thunderstorm detection. ASOS has all of this equipment plus a freezing rain sensor.

Find surface observations across the country at:
<http://adds.aviationweather.gov/metars/>

Aviation Climatology

Monthly aviation climatology information is now available for each airport that WFO Chanhassen issues a TAF for. The data can be useful for pilots planning flights around the area so that they can see, historically, when marginal or instrument flight conditions are favored or how often they occur. The plots are broken down by flight category where visibility, ceiling, and a combination of the two are the reason for the restriction. Data is available by time of day for each month of the year.



Wind speed and direction climatology is also available by month via wind rose. The wind rose displays the distribution of wind speed and direction for all hours of the day for each month.

Wind Rose for KMSP from the month of December

Local Aviation Climatology available at:
<http://www.crh.noaa.gov/mpx/aviation.php>



Aviation Weather Services



**Weather Forecast Office
 Chanhassen, MN
www.weather.gov/twincities**



**Center Weather Service Unit
 Farmington, MN
www.crh.noaa.gov/zmp**



