

Weather Observations and Weather Radar

1. Your task is to observe and record the atmospheric conditions surrounding you at this time. There is a table below that you should fill in as best you can. You are welcome to confer with classmates regarding your observations.

i. Estimate the air temperature (°F)	
ii. Is there wind?	
ii(a). How many MPH is the wind blowing?	
ii(b). What direction would you estimate the wind to be blowing from?	
iii. What percentage of the sky is covered with clouds?	
iii(a). What do the clouds look like?	
iv. Does the air feel dry or humid?	
v. Is there precipitation? If so, what kind?	

2. What other information about the atmosphere do you think might be beneficial to a forecaster or weather observer?

3. Information about the current conditions of the atmosphere is available for many locations. One way to display this information on a single map is to code the information according to the city where it was collected. This is called the “station model” (Example below; Appendix C of textbook). Using the circle below, create a station model for the data you recorded in the table above.



Conditions in Chicago:
 Temperature = 65 °F
 Dewpoint = 63 °F
 Cloud cover = 50%
 Wind direction = southwest
 Wind speed = 5 MPH
 Pressure = 1013.2 mb
 Present weather = fog

