1. Reflect on the labs from this semester. What did you learn? What did you like? What did you not like?

I learn that R can be one of the useful visualization tools added to my programming skills. Since I took the python class last semester, I learn that R can be applied using a similar function but the visual product can be different (some are better, some are okay). I like the instructor teaching us many useful programming applications toward the spatial & analytical method, especially the step-by-step process were very intuitive and easy to follow. I really like the group project and each of the class members can take a role and solve the problem. The students were all very eager to learn the applications, and the environment was active and fun. I recommend the class can be structured for a longer period. For example, change to the Tuesday and Thursday class, and each class is allowed up to 1 hour and 15 minutes, so the student can have more time to discuss the problem and have time present during the same period.

2. Describe the “one thing” you chose to add to your map in Task 3 above. What did you do, and why is it applicable to your map.

I choose a different map from the previous homework 3. However, my goal is to let meteorologists be able to switch different map layers with only important meteorological information added on. (\*Note: if you see the dark map, it is because the visible satellite appeared dark in the nighttime).

In this map, I included the measurement tool (bottom left), the tool can measure length as well as the area in m2 if it made the polygon. I reviewed many meteorological maps, and many of the maps do not have the measurement tools, and in many real-case, we need the measurement tool to know the storm size and its effective area. Therefore, I think it is important to include it, so the people reading this map are not only able to see the storm, but also know its size.