



Cloud First Project Report

Sung Moon (with help of Seunghwa Park) | MCEN 4151 | 2018-03-23

In our first cloud image assignment, the purpose was to take a picture of clouds of our choice that clearly exhibits both aesthetics and cloud physics that is being observed. The Get Wet project allowed the students to perform their artistically developed interests and cloud physics knowledges. For my project, my friend and I came together and went up to the Flagstaff Mountain to get a broader vision of clouds. Seunghwa Park helped me with the ride to the Flagstaff Mountain. As a novice to the photographic field, my goal in this project was just to have a picture that vividly demonstrates what the Cloud is intending to demonstrate with some visual aesthetic follow ups.

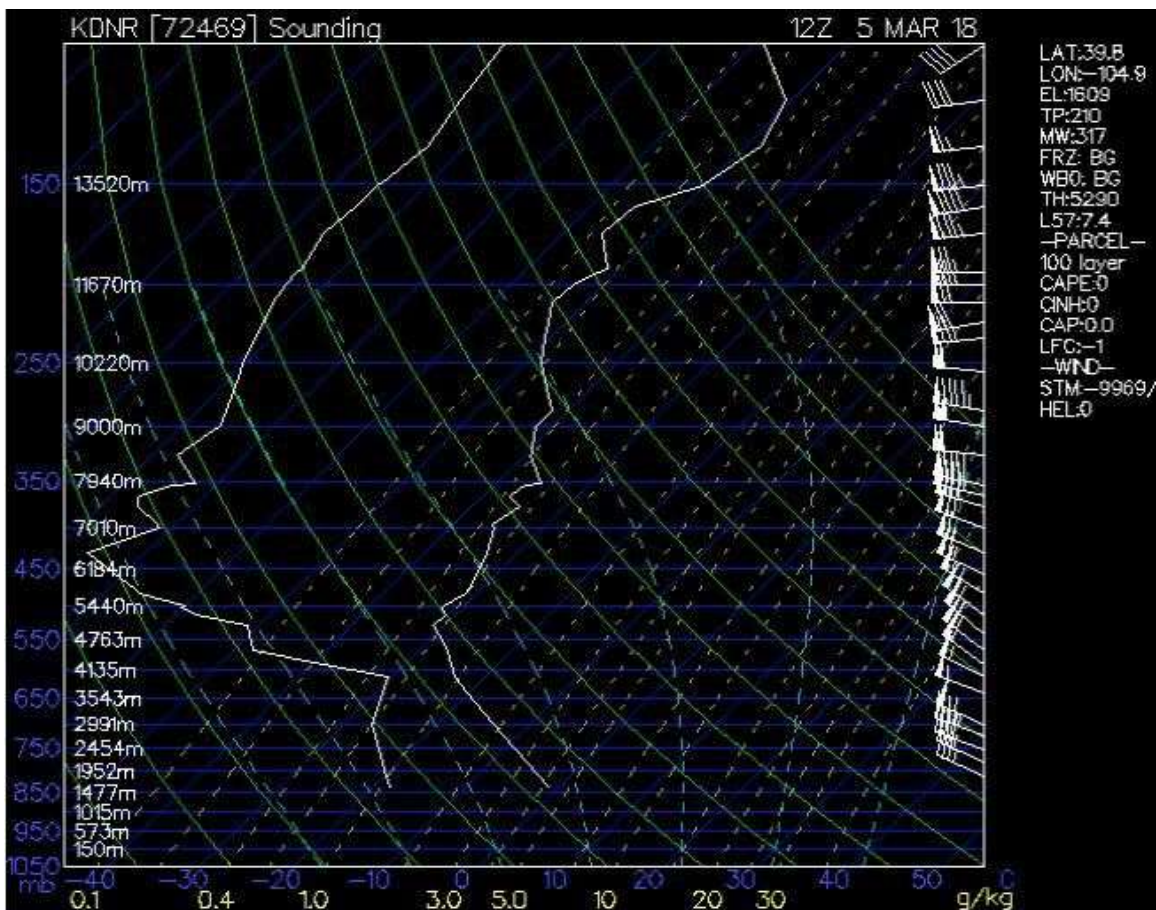


Figure 1: Skew-T Diagram

First of all, we went up to Flagstaff Mountain. Then, I could see the mixture of cumulus and stratus cloud as one can see in my photo. I could see slight cumulus clouds going with the stratus cloud. The two types of clouds that I mentioned are mostly in 5,000

ft ~ 10,000ft range. They both exist below 10,000 ft and the Flagstaff Mountain has a height of 6,983 ft. The small cotton candy like clouds, cumulus clouds, were squashed because of 30+ MPH winds in Boulder on March 5th 2018. However, the stratus cloud was very clearly shown in the photo.

From the original image, I thought the photo doesn't really have clear border between the cloud and sky. What I decided to do was to put contrast in the photo and adjust the brightness of photo to more vividly show the clouds. As a novice, I didn't have any lavish or intricate camera to film my flow, so I used my phone camera to do its job. From the feedback from Prof. Jean Hertzberg, I also think that brightness of white color is somewhat distractive to my purpose of the image. I think the photo will be better with more transparent whiteness of the clouds.