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Film-4151

April 22nd 2013

Cloud 2 Report

This image is created to fulfill the requirements for the second cloud image.

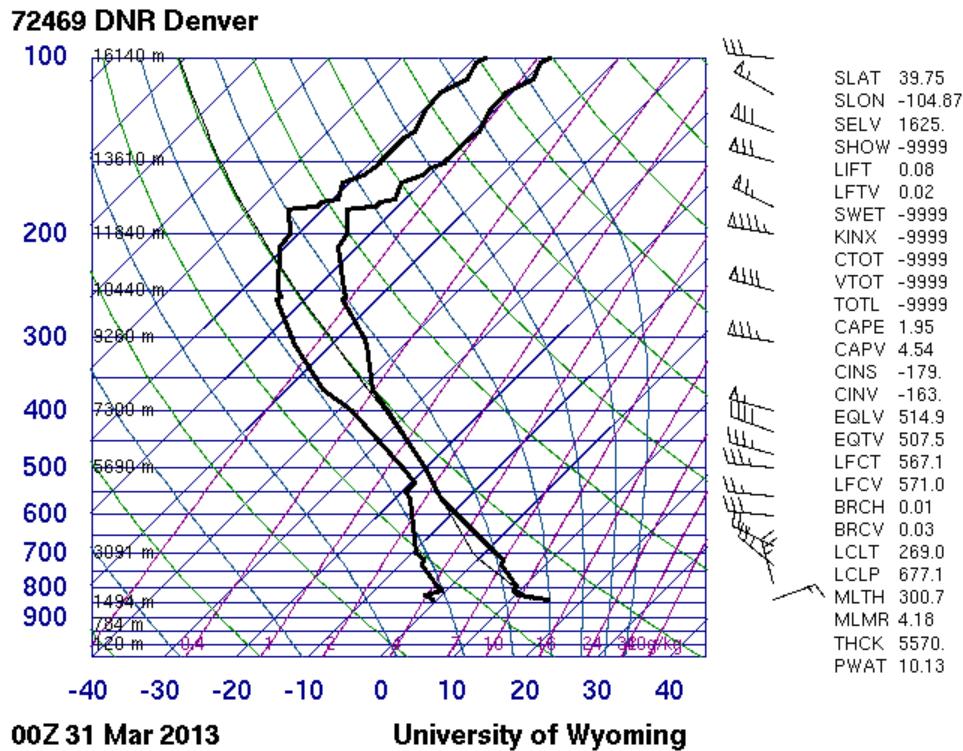
The purpose of the image was to visualize specific cloud phenomena and the way that clouds interact with various climate based manipulations in the atmosphere.

This particular image was taken as a series of images for this assignment. I took pictures of the sky at dusk, whenever clouds were visible, and consequentially this image was the most interesting one.

This image was taken on March 30th 2013 at 6:02 post meridian. The image was taken facing northwest in Broomfield, Colorado. After re-measuring the same camera setup, the camera was measured at approximately 45 degrees above the horizon. This photograph was taken from the third floor of an apartment complex, approximately fifty feet above the ground. It should also be noted that this image was taken approximately 3 miles from the rocky mountain airport, so planes often disturb the airspace that these clouds reside in.

The clouds presented are nimbostratus clouds, evidenced by light rain that fell that evening. The rest of the sky contained several other clouds, but none as ominous as those presented in the image. The others were somewhat wispy from rolling over the front range and the flatirons, broken up by the wind patterns there. The weather cast called for rain, a lot of it in fact, but the observed weather by the photographer was little rain, with no major accumulation. No thunderstorms were

present as reflected in the Skew-T below:



The clouds present in the image were very low, and could be figured and estimated to be sitting at about 5050 feet. It rained, not very significantly I might add, approximately two hours after this image was taken, at least that is when it rained directly on where the image was taken. The rainfall commenced for about 15 minutes before stopping entirely.

The photographic choices, although the product of the image was somewhat accidental, were carefully planned in order to properly calibrate the lenses and to properly check the image quality of the camera itself. The subject was approximately 5,900 feet from the lens, an 18-55mm focal length zoom lens at 43mm extension. Both images are the same size, for no cropping took place. The

images are 4272×2848 pixels. The exposure time was $1/200^{\text{th}}$ of a second, with an fstop of 9. The digital manipulation of the image was rather heavy, for I wanted to make an image that could be appealing to the common viewer, and as a rule, normal people don't find clouds visually interesting unless they are in black and white or have intense colors. On the left, the original (boring image) and on the right is the edited (jaw-dropping) one:



See what I mean?

I must say, I like how the image turned out. The colors deposited in the dull original could be pulled out in Photoshop. For some reason I find visually beautiful that the little power lines in the distance of the image are completely dwarfed by the clouds above them. I feel that I artistically saw the realization of my intent, for as I said, I wanted to almost make a painting of a dull cloud image. Success for this intent was measured by showing the final image to my girlfriend, who immediately reacted: "Oh wow, pretty!"