

# Clouds First Report

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MCEN 4151



Figure 1. Clouds First Image uploaded to Flow Vis website

This report details the Clouds First Image assignment. I had taken several pictures leading up to this one, but I realized that I liked this one best when figuring out which image to upload for the assignment.

This picture was taken in South Boulder on March 5<sup>th</sup> at 3:33pm. The camera was pointed about 50 degrees from the horizontal to take the image. The elevation was approximately 5430 feet.

The clouds present in the image are cirrostratus. Below is a skew-T plot, showing that the atmosphere was stable. The Sun was high in the sky and there was no wind. Besides the clouds imaged, the sky was clear. There were no drastic changes in the weather in the couple days before after the image was taken.

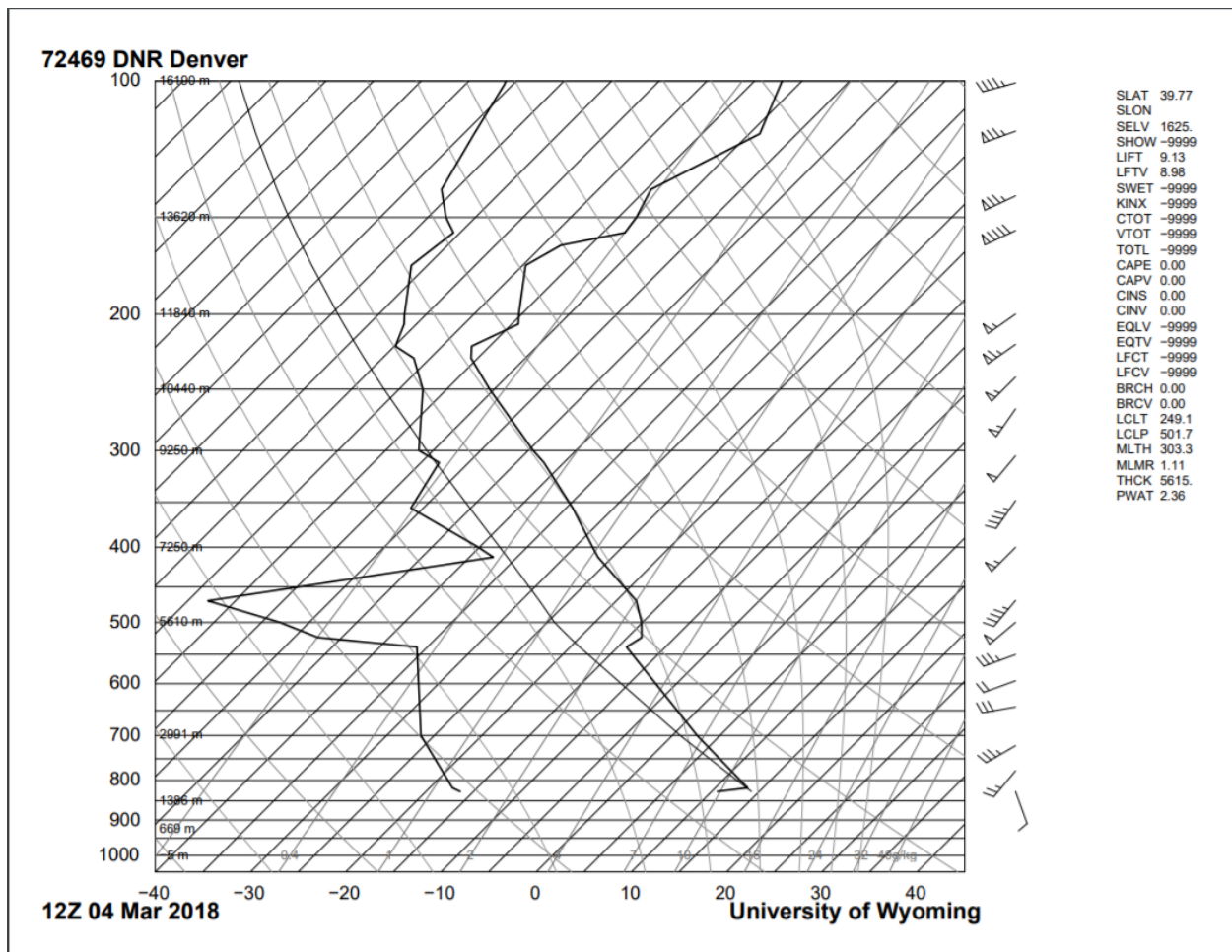


Figure 2. Clouds skew T data

Image Specifications:

Size of field of View: 5 meters

Distance from object to lens:

Lens focal length:

Type of Camera: I-phone built-in camera was used. For this reason, the aperture, shutter speed, and ISO setting aren't known.

Final Processing: Image was cropped, and contrast was increased to bring out the blues in the sky.

The image is a simple picture of clouds in the sky. However, I really like the colors and textures in the image. On the other hand, I don't like the tree branches

and houses. Maybe in the future, I could try taking the picture from a different angle earlier in the day so that the clouds are lower, and the background doesn't have to be included to see the clouds.