



Cloud 2nd Report

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Flow Visualization CINE 4200

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This picture was for the 2019 cloud image assignment for Flow Visualization. We took these pictures to help show the phenomenon of flow that occurs up in the sky every day as it is every changing and there are many different types of flows that can happen depending on the weather conditions that day. For my specific picture I wanted to illustrate the cirrus which occur high up on stable days.

For this picture I took it at on the University of Colorado Campus about midday. The direction I was facing was south west with an angle of about 60° from the ground. As mentioned, this picture was taken at 11:45 in the morning on November 13th.

These clouds are Cirrus clouds which form high and on stable days as you can tell with a CAPE

of 0. You can tell from the

right side of the skew T

that there was good wind

at that time to make these

clouds form. Also, with a

cape of 0 I had a stable

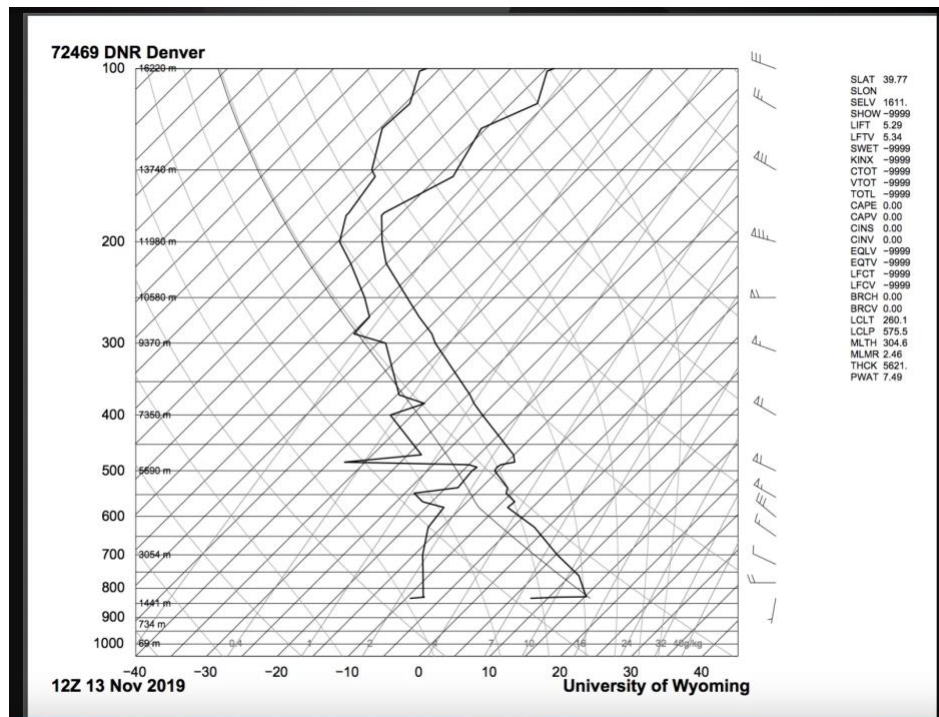
atmosphere at the time.

We had a high of 63°

Fahrenheit that day and

fairly clear weather in

addition to 100% humidity.



For this picture I used my Canon Rebel T7i Camera. The field of view was probably close to 300 yards. The distance from my camera to the cloud was over a thousand feet. The exposure specs of the picture are ISO 6400, 41 mm zoom, f/6 and a shutter speed of 1/8th. I angled myself in a way to try and get the sun to black out the mountains and trees making them more like silhouettes. I didn't do much to the post processing except mess around with the exposure to get the best lighting into the picture. Being colorblind I try not to adjust the color too much because I don't really have a clear line of realistic vs nonrealistic colors.

I really like how the environment around it adds to the picture and you can see the clouds sprawled across the sky. This picture also had a contrail which I really appreciated, and thought was a cool addition to the sky and added another element to my image. Overall if I were to do it again I'd try and take the picture at a higher vantage point so I could get a better view of the entire cloud as opposed to just the bottom of it.