Stephen Morton
Clouds Second Report
MCEN-5151
April 23, 2018

This image shows stratocumulus clouds. Stratocumulus clouds are one of the most 'fluffy' cloud types. The final image is shown in figure 3, adapted from the original, unedited image in figure2.

This picture was taken in Boulder, Colorado, on April 11, 2018, at 4:00 pm. The picture is facing North from Boulder, and at an angle to the horizon of about 45 degrees.

Stratocumulus clouds are not typically precipitative clouds. Instead, they often show up on one end of a storm – either right before or after. This type of clouds generally are at a low altitude, between 2,000 and 6,500 feet. The skew-T diagram for April 11th, 6:00 pm, in Denver is shown below in figure 1.

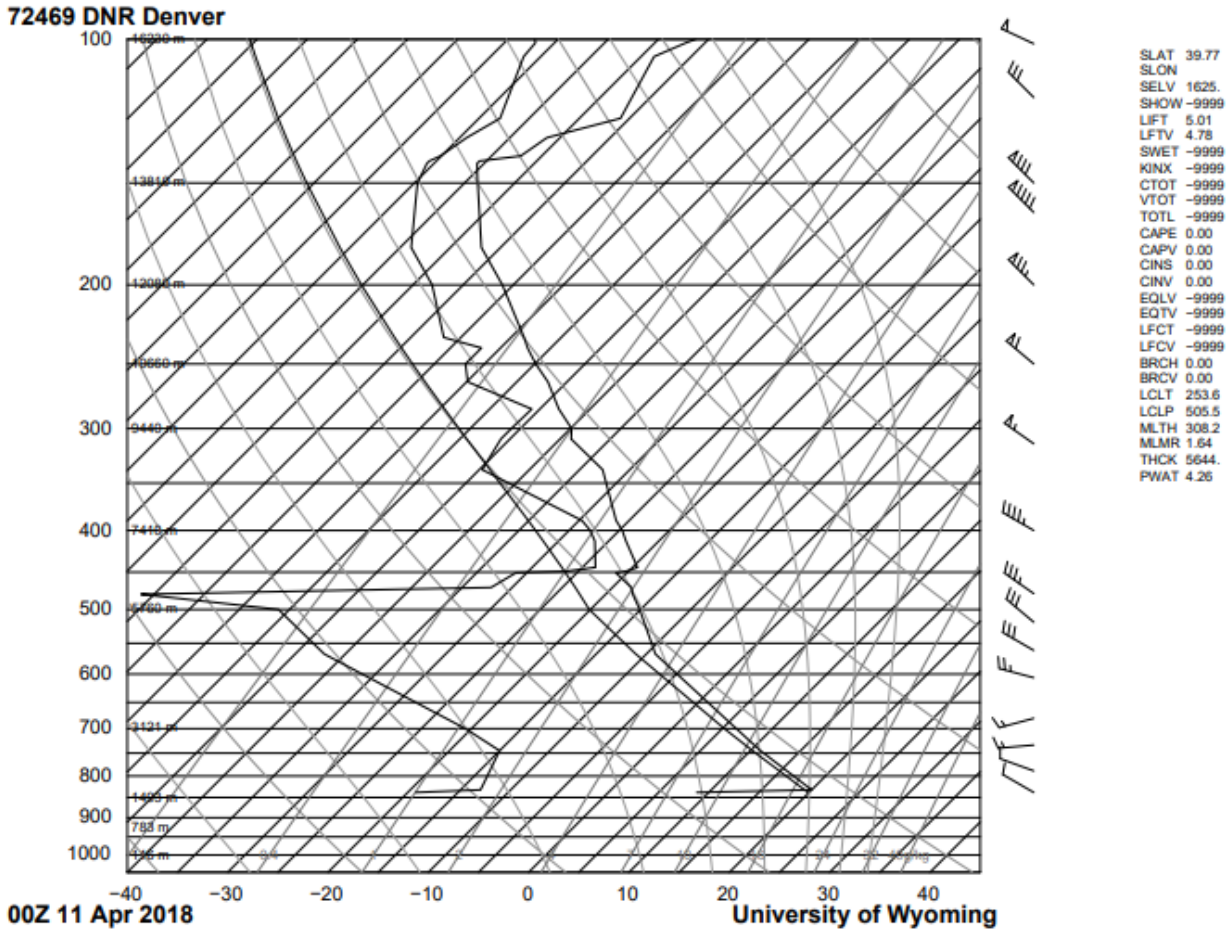

Figure 1: Skew T, Diagram, Denver, April 11, 6:00 PM

The cropped images is shown in figure 3 below. This final image comes from figure 2, where the main change is the cropping, in order to put more emphasis on the actual cloud, and have less of the image focused on the sky. The field of view of the original shot is a few hundred feet. The clouds were low, probably around 5,000 feet in the air, although even the original image does not show the ground for perspective. The clouds were probably around 3 miles away from the camera. The original image was taken with the camera on an iPhone 8.

Figure 2: Original Photograph

Other than cropping, the original was not altered in any way. Stratocumulus clouds are very fluffy, and I think this image does a good job of showing that. Due to the distance of the clouds and difficulty focusing, the image is a bit blurry. I like the look of the clouds, but I wish the cloud was more centered in the image, instead of trailing off the left side. In reality, a much larger cloud was just to the left of the cloud in the image, and it did not photograph as well, which is why the images look the way that they do.

Figure 3: Cropped Photograph