Austin Edwards

Cloud Report 2

This is my second cloud image that was taken on April 4th, 2011. The image shows clouds that have over taking the frame even though the land is in the foreground. The lines of the clouds start parallel to the ground and lift off into the sky giving the image different directions the clouds are traveling compared to the mountains below. The small amount of blue sky shows that the clouds are traveling into the frame to cover the sky. The sun hits the clouds on the side giving shape and layers to this type of the cloud that typically would not show shape.

The location this image was taken was atop of Flagstaff facing southwest. The sun was setting with the time being around 6:30 pm. The peak elevation of Flagstaff Mountain is about 7,000 ft. This was taken just below the peak elevation.

The clouds in this image are believed to be altostratus clouds. Altostratus clouds are usually gray layers that will take over the sky making one uniform gray color. Because of the high speeds of the wind, these altostratus layers were broken up to show the different level of clouds. The sun at this angle was able to highlight the different layers. Altostratus clouds are rest at the altitude of 6,500 to 20,000 feet. Showing the size of these clouds and the level of elevation the image was taken, these are multiple altostratus.

The skew-T chart displays the area during that day. The temperature and the dew point at the location of the cloud is around 2,200 m is about the location of the clouds. This explains the dense formation of clouds over powering a clear day as the wind travels it trough. The dew point then

decreases at a fast rate at the altitude increases. The humidity above the clouds is vacant. The multiple layers below this point stake up as the wind pushes it across the sky.

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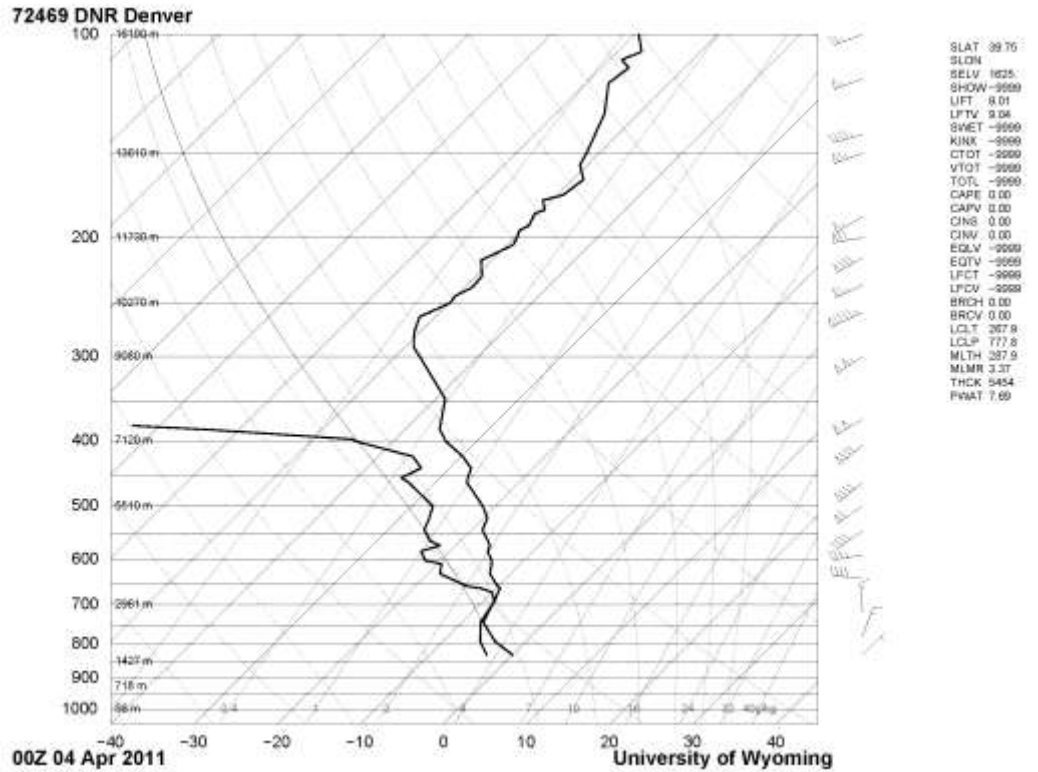
The image was taken with a Canon Rebel T1i digital camera. The settings of the camera were at ISO 100, 1/50 shutter speed, and f8 aperture size. There is now photo shopping or cropping done to this image. This is the image as taken. The frame size probably is about 1000 square feet because of the location of the photographer and where these types of clouds are typically located.