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2/25/09

MCENID#: 641-693

Cloud Report #1

For our first cloud project, the purpose was to mainly get ourselves acquainted with cloud formations, as well as basic atmospheric conditions which cause such formations. Also, we learned to read basic weather models to decipher the what, where, when, why, and how of these weather phenomenon.

The image used for my final picture was taken facing South along the Front Range, standing on the Frontage Road in Boulder, CO. The angle from the horizontal was about 30deg. This picture was taken on January 31<sup>st</sup>, 2009 at 5:15pm.

The clouds in the image are Altostratus clouds. This conclusion was based on the shape and altitude of the formation. The rest of the sky was bright blue and clear, and no storms were present. The nearest skew-T plot is in Figure 1 below. It is from the same day about 5 hours before the picture was taken. It is from the University of Wyoming atmospheric research facility.

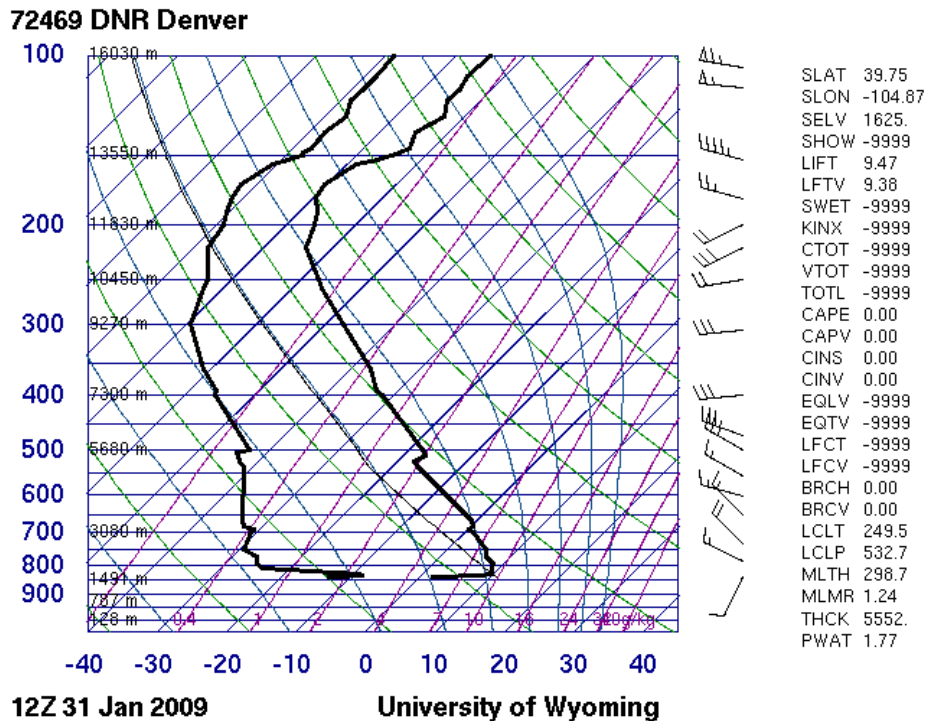


Figure 1: Skew-T Plot For Denver/Stapleton Area on Jan 31, 2009

**Specifications for the picture are as follows:**

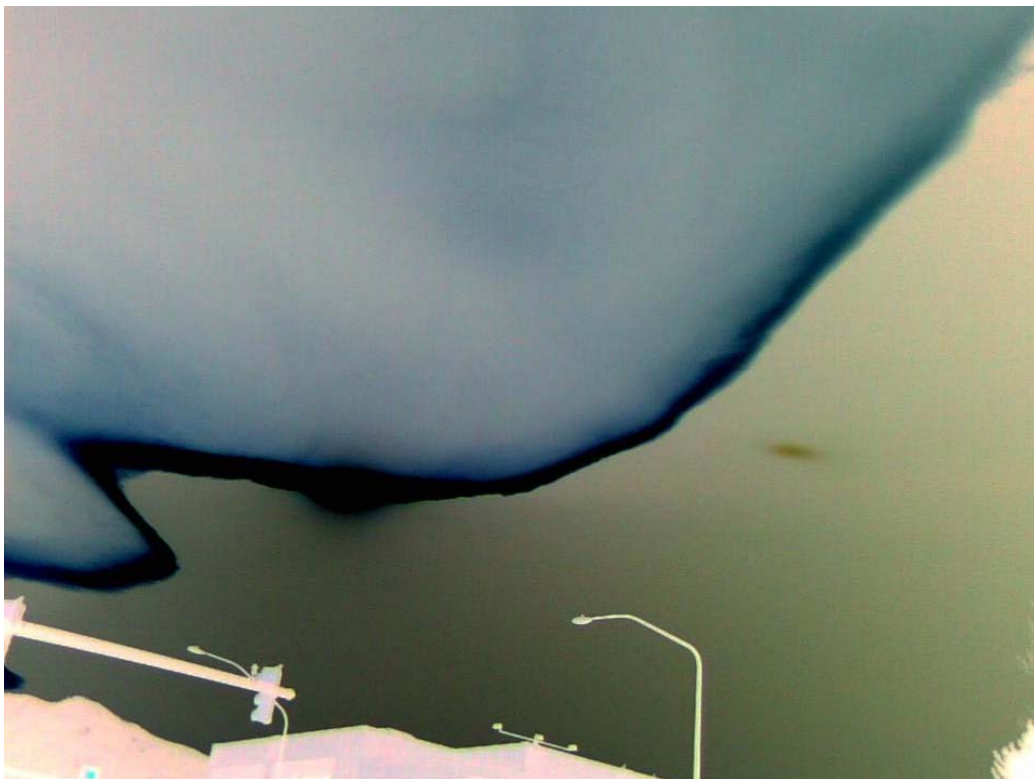
**Field of View:** about 1-1.5miles

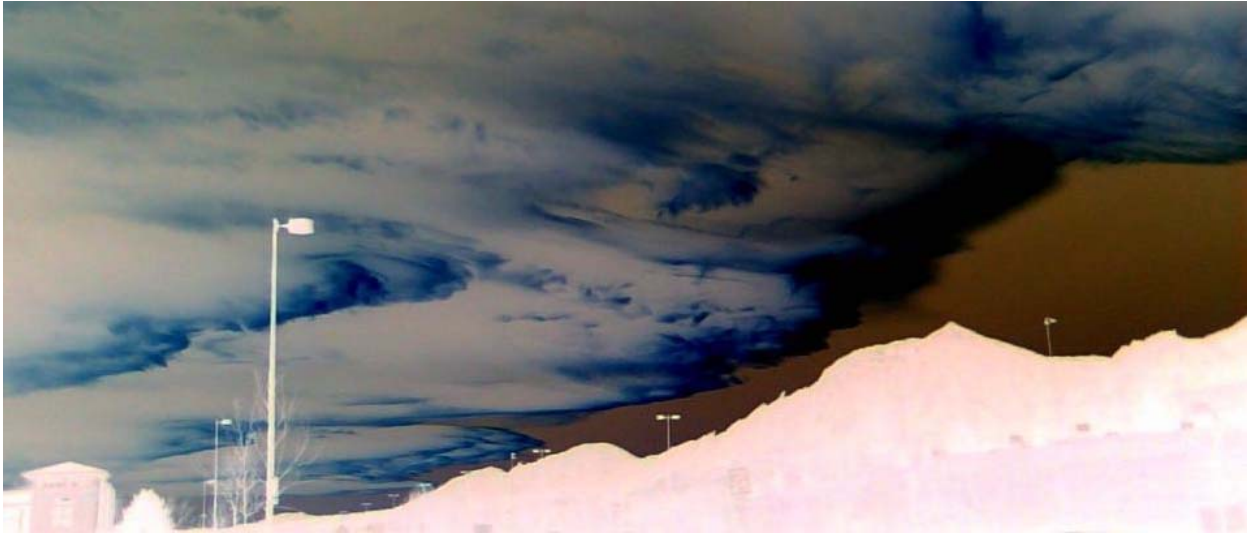
**Distance from object to lens:** about 2miles vertical and 15miles horizontal.

**Type of Camera:** Nokia 61203 megapixel digital camera. Size: 86.9 KB, Resolution: 960x1280 pixels.

**Photoshop Processing:** The only modifications made in Photoshop were cropping the top and bottom off of the picture. There was some dead space above the clouds as well as trees, cars, and more buildings below the frame of the picture

This image is one of my favorites I have ever taken. Although the quality is not great, the colors and textures created by the clouds are one of a kind. I like that the picture was taken at sunset, because it gave that awesome orange glow to the picture. Also, I very much like the three different “layers” of clouds seen in the image. The only thing I didn’t like about the image was that I had so many others to choose from. Included in the submission of my picture is another I enjoyed and almost wrote the report on that one instead. Also, as an added bonus, I thought some of my cloud pictures looked cool with the colors inverted, so here are some of those.





Enjoy!