



The stable atmosphere was created by a high-pressure system that also led to a warm temperature of 53°F. The high-pressure system remained in the region for the next three days. The altitude of the cloud can be estimated by determining the lifting condensation level from the skew-t plot. From the intersection of the dry adiabat and the constant mixing ratio lines, the LCL was approximately 6300m, or about 15,000ft above ground level. I believe this corresponds reasonably well with the visual altitude of the cloud.

The list below summarizes the image parameters. The distance to the clouds was ~5 miles and the width of the field of view was at least 3 miles.

Camera:	Canon PowerShot SD870 IS
Focal Length:	17.3mm
ISO:	ISO 500
Shutter Speed:	1/200 s
Aperture:	<i>f</i> /5.8
Original Pixel Size:	3264 x 2448
Final Pixel Size:	3264 x 2242

The image was modified using Photoshop. The original image had a building and a light pole in the foreground. These were eliminated using the clone tool. Unfortunately, the building was rather large, so the blur created by the clone tool is obvious if you're looking for it. But I think the elimination of the foreground was important to create a cleaner image that put more emphasis on the cloud. The image was then slightly cropped to eliminate the remaining foreground structures. The image contrast was increased to remove the "hazy" look, and the hue/saturation were slightly boosted to make the colors brighter. With the modification of the colors, I didn't want to produce a fake image that didn't represent reality, so I tried to make only small changes.

Overall, I felt like I produced a decent image. With the evening light, the camera had to increase the ISO for enough light. The increase in ISO led to a somewhat grainy quality at the top of the image, but I felt like the image was good enough to make up for the slight loss in clarity. I had several images to choose from on different days, but I've always liked sunset colors more than almost any other type of cloud photo.