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Cloud Assignment #2
Flow Visualization: The Physics and Art of Fluid Flow
Professor Hertzberg and Professor Sweetman
November 29, 2007

My goal for the Cloud Assignment #2, I wanted to capture the phenomenon of the physics of fluid in the atmosphere with artistic style. I was focused on capturing this surreal world among the clouds formations and its relationship and the effects of the late afternoon sun as it sets.



Original

Photoshop

The images for Cloud Assignment #2 were taken on November 17, 2007. I was focused on capturing the unique light reflections on the clouds from the early stage of the sun setting. I was surprised by the large spectrum of colors highlighted in the clouds I

photographed, there were more colors than I expected to be reflected off the water molecules of the clouds.



Original

Photoshop

I did not use any outside tools or equipment for this series of clouds. The images of these clouds were taken from Norlin Quad on my walk from class; it was 5:18pm on November 17, 2007. Seeing how it was early evening and I was shooting into the sunlight, there was no need for a flash.

Photographic Techniques:
Distance from object to lens: estimating 10 miles
Lens focal length: 19mm
Type of Camera: Digital Olympus FE230/X790
Width: 1536 pixels
Height: 2048 pixels
Horizontal and vertical resolution: 72 dpi
Aperture: F/8.5
Shutter Speed: 1/2000 second
ISO Setting: ISO-50
Photoshop: Minimal adjustments in brightness, contrast, hue and saturation.

The interesting element about this assignment is that it basically impossible to reproduce an identical because clouds are dependent on the aspects such as temperature, humidity in the atmosphere, which humans can not be controlled. We can't make the temperature and the winds change to get what we want. The original image was slightly over exposed as a result of shooting directly into the sun, thus I had to adjust the brightness and contrast levels in Photoshop. I also played with the hue and saturation only to emphasize and bring out the amazing colors in this image. There was no cropping.

