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Flow Visualization

October 11, 2007

Clouds 1

This image was made for the *Clouds 1* project, which was designed to capture a cloud that demonstrates the physics of its development and surroundings and time. The intent of the image was to show the cloud undergoing these physics in a clear and concise way. At first I was very interested in photographing clouds at sunrise and sun set, but I found that they lacked much variation and clarity.

This project was left much to nature. The final image produced was taken around 6:30 p.m. on September 4th, though I produced over 30 images of clouds at different times, locations, and weather conditions. I used a telephoto lens with a focal length of 77.00 mm, with no flash. The shutter speed for this particular photo was 1/400 of a second, with the aperture set at f11. The ISO speed was 100. I used a Canon Digital Rebel, and my final image was 3000x2000 pixels. In Photoshop, I desaturated the image.

This image reveals a cumulus cloud almost overhead. I like the contrast of the image, and that I got two different kinds of clouds together in one photo. I'm not really sure what physics are shown, but I did fulfill my intent to get a good photo of a developed cloud. I would like to develop this further by taking a full-sky image of clouds and reporting what each one consisted of.