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Film 4200 Flow Visualization  
Prof Hertzberg  
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## Clouds Report 2

For the second round of capturing the flow of clouds within Earth's atmosphere, I captured what has become a difficult formation to categorize. Again, the setting of Boulder has allowed for such magnificent clouds. While a large stratocumulus formation traveled in front of the Front Range heading north, instead of being picked up by an updraft began to disperse. The estimated 2 mile large cluster began opening in the very center, its eye. A small hole had appeared as it held its shape and progressed in a northern direction. Then, a small sliver of a cloud, possibly now entering a cumulus altitude, drifted into the opening. The cloud being directly overhead it is difficult to frame the entire cloud within my 50mm frame. I chose to simply focus on the center cloud, which had taken the shape of a squid.

Taken on February 14, 2011, around the same time as my first image, the same intense front caused such interesting spectacles. Unfortunately, I vaguely remember being in north Boulder/Longmont riding my bicycle along Broadway Street when I took the photograph. Hand held looking nearly exactly up toward the sky.

My image constitutes what I believe to be a small cumulus cloud visually seen within a gap of a mammoth stratocumulus cloud. However, it is difficult to estimate the elevation as it could easily have been an illusion caused by depth.

Using a Digital SLR Canon Rebel XT armed with a 50mm lens I successfully exposed the image at an aperture value of f5.6 at 1/3000 sec. An ISO of 400 allowed me to capture the fast moving clouds and still retain crucial light detail. The distance to foreground elements was roughly 15-20ft. Beyond that the distance was 7k of elevation. I cropped the image slightly to focus the eye clearly on the squid.

My 50mm prime lens is an extension of my own eye. However, I have recognized its limitations as a portrait lens. It fails to frame any landscape to my liking. I wish for a wide-angle 25mm lens that can completely the full spectrum I desire.