

Dylan Crane

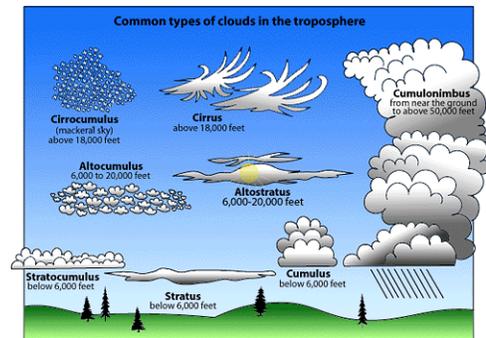
12/4/18

Flow Visualization

Cloud 2 Report

The purpose of this second cloud image was to once again capture a cloud formation and present it artistically. This time of year, there are many different beautiful cloud formations and our goal was to capture one that was pleasing to look at and had great structure. It was also supposed to show us how some of the clouds had changed since we last took our cloud one photos. Unfortunately, I was unaware of this and my cloud photo was taken the same time as my last cloud video was made. Yet, I think it is different enough to justify keeping this photo instead of replacing it with a more up to date photo.

My photo was taken in early October at Powderhorn Resort near Grand Junction CO when there were still colorful leaves on the trees and I was in the middle of a snow storm. This means that I was in the middle of a Cumulonimbus cloud as it stretched from the ground all the way up to 34,000 feet. You could also tell this because of the CAPE value since it was positive meaning that the atmosphere in the area I was at was unstable. Cumulonimbus is generally related to thunder storms and in some cases, like what I had a snow storm.



This photo was taken using all-natural light. It was dark out because of the storm but by increasing my exposure I was able to get a nice bright image that showed all the trees really well. The flat light actually provided great lighting similar to what you would have in a studio with soft light boxes. I wanted to be

sure that I was able to capture the clouds but also have something a bit more interesting such as the colorful trees in the foreground. Because the clouds were at ground level it meant I could depict the clouds by showing the tops of the trees slowly fade into the white background. If you didn't see this in the image you wouldn't be able to visualize the cloud at all and it would just look like a white background to some trees.

In post processing I increased the whites and lowered the warmth of the photo to give it a more distinguished pure white look and make the colors on the trees stand out by increasing both the saturation and the vibrancy. This look out a lot of the orange and brown colors in the clouds but increase the wide range of colors in the trees. I also increased the clarity and sharpness a bit to give the natural symmetrical and straight nature of the tree trunks a more defined edge. What I think is great about this photo is that many times when you enhance a photo to improve its aesthetics it makes it look less like the real thing but in this photo, it actually made it closer to looking like it actually did. It was a beautiful scenery.

I wanted something different that wasn't a photo of just another cloud in the sky with nothing else exciting to look at in the photo. I wanted color and a foreground article to be included in the photo while still capturing a cloud. It turns out I did so but taking it in the middle of a cloud during a storm and I think that makes it even more unique.

