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Clouds 2 Report

CINE 4200--01

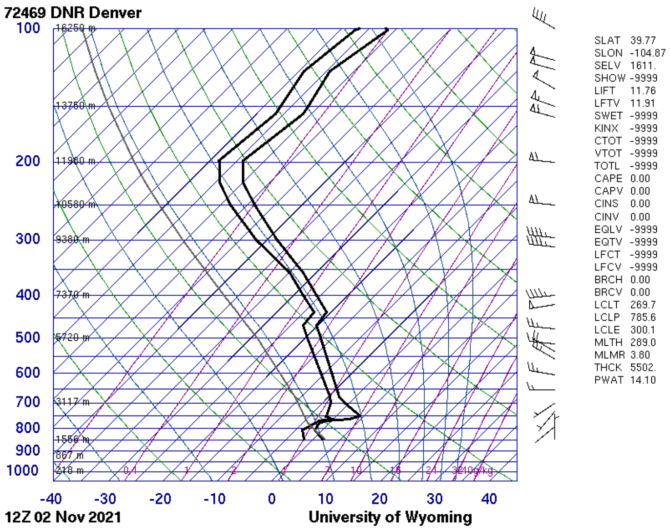
Stratus

02 October, 2021

12:19 p.m. MST at the CU Basketball Stadium

Boulder, CO.

The goal for this project was to photograph an image that is in direct contrast to my first cloud project. In the first Flow Vis Cloud Image assignment, I photographed Cirrus and Cirrocumulus clouds with no reference points in the frame. In this second image I aimed to capture clouds as low as possible along with some sort of landscape in the frame to give a reference point. I attempted to find a balance between the clouds I captured and the location that I used.



These clouds were photographed on the 2nd of October, 2021 outside of the University of Colorado at Boulder's Basketball Stadium at an elevation of 5,400ft. Facing approximately West the camera was positioned as perpendicular to the Flatiron mountains at about 0 degrees from the horizon. It was 39 degrees fahrenheit with a humidity of 87% and 30.2 inHg with a visibility of 7 mi. It did not rain that hour but several hours later, at around 7 p.m., there was light rain.

The clouds captured were Stratus clouds sitting on the foothills of the Flatiron mountains. The CAPE value was 0.00 so the atmosphere was stable, and there was no potential for thunderstorms that day. The clouds were at an altitude of approximately 1,600 m which is more evidence that these are stratus clouds which form at 0-2,000 m. Stratus clouds can be so low that they appear to be sitting within valleys or the bases of mountains such as this image. These clouds are normally formed in cool stable conditions when cool damp air rises over cold land or sea. The conditions of the day align with the conditions necessary for the formation of Stratus clouds.

Before Color Grading	**After Color Grading**
	

This image is a still taken from a video recorded on an iPhone 8 with the FiLMiC Pro app. With an aperture of f/1.8, a field of view of 120 degrees, and a focal length of 28mm. The shutter speed was set to 1/150 and the ISO was 22. When processing the video in Davinci Resolve, I screen-grabbed the image before and after I color graded the image. The only thing that I changed from the original image was the saturation of the color space. The result was a better contrast between the clouds and the surrounding trees and buildings.

The image shows how stratus clouds can appear to sit on the mountains, and also how low these clouds can actually get. The only thing that I wish was different with this image would be to get an image closer to the mountains to exclude the buildings and trees, but at the same time I really like the fall vibes from the leaves on the trees.