

Nick Beato  
Clouds 2  
Flo-Vis 2012

## Clouds 2 Assignment

Tanking what I learned from the Clouds 1 assignment, for Clouds 2, I was able to have a better idea in mind. As I once again choose the perfect day, with a very unstable atmosphere, I found myself in the same location as my Clouds 1 assignment. As I drove up the mountain I took shots in each viewpoint along the way. When I went back home to view my images I ended up using a shot from the first location I stopped at. In fact, it was the first shot I took.

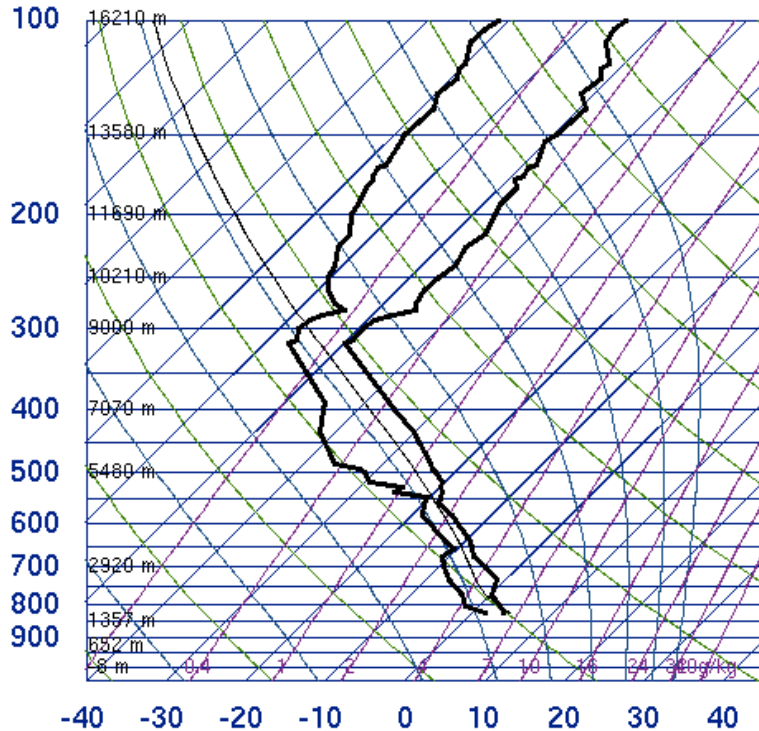
The image I used was from Flagstaff Road, overlooking Boulder, on a very stormy day. I was facing east/southeast because I found this position to be very aesthetically pleasing due to the foreground and the variety of cloud formations. The date was April 15, 2012 and it was around 4:00pm

The cloud in this image is a cumulonimbus cloud, with visible rain coming down from it. This storm had been brewing all day, and more clouds were coming from the west. The skew-t chart informed me that it was an unstable atmosphere. I would estimate these clouds to be at about 7000 feet above sea level and my image was taken at about 6000 ft. I made these estimations based on where I entered the cloud level as I drove up the mountain,

I set ISO 400 and my shutter speed to 1/40 fps, I used an f-stop of f11 which gave me a greater depth of field. The Canon Rebel I used was taken with a raw pixilation. Once again I took this image to Photoshop found the original looked the best. The only thing I changed was the contrast, and very slightly.

I liked this image most out of the shots I have taken this semester. The foreground greatly compliments the rest of the image as well as the layers the cloud makes. One of my favorite parts of this image is how the horizon line is perfectly in the center. Usually the horizon should be in the bottom half, but because of the beautiful foreground the centered horizon line worked very well. To improve this image, I would have adjusted more camera settings to better fit the lighting situation. I would also like to experiment more with Photoshop specifically with copy/pasting certain other clouds into the picture. The cloud images I have taking this semester have broaden my abilities to take images of different landscapes, which plan on working with in the future.

### 72469 DNR Denver



SLAT	39.75
SLON	-104.87
SELV	1625
SHOW	-9999
LIFT	2.44
LFTV	2.37
SWET	-9999
KINX	-9999
CTOT	-9999
VTOT	-9999
TOTL	-9999
CAPE	0.00
CAPV	0.00
CINS	0.00
CINV	0.00
EQLV	-9999
EQTV	-9999
LFCT	-9999
LFCV	-9999
BRCH	0.00
BRCV	0.00
LCLT	270.8
LCLP	754.4
MLTH	293.5
MLMR	4.31
THCK	5488
PWAT	8.77

12Z 15 Apr 2012

University of Wyoming

## Sources

The University of Wyoming, College of Engineering, Department of Atmospheric Sciences.

<http://weather.uwyo.edu/upperair/sounding.html>

Name(s)

Assignment:

Date:

Scale: +, ! = excellent    √ = meets expectations; good.    ~ = Ok, could be better.    X = needs work.    NA = not applicable

<b>Art</b>	Your assessment	Comments
Intent was realized	!	
Effective	!	
Impact	!	
Interesting	√	
Beautiful	√	
Dramatic	!	
Feel/texture	!	
No distracting elements	!	
Framing/cropping enhances image	!	

<b>Flow</b>	Your assessment	Comments
Clearly illustrates phenomena	!	
Flow is understandable	√	
Physics revealed	√	
Details visible	!	
Flow is reproducible	Na	
Flow is controlled	Na	
Creative flow or technique	Na	
Publishable quality	√	

<b>Photographic technique</b>	Your assessment	Comments
Exposure: highlights detailed	!	
Exposure: shadows detailed	!	
Full contrast range	!	
Focus	!	
Depth of field	!	
Time resolved	√	
Spatially resolved	!	
Clean, no spots	!	

Report		Your assessment	Comments
Describes intent	Artistic	!	
	Scientific	√	
Describes fluid phenomena			
Estimates appropriate scales	Reynolds number etc.	Na	
Calculation of time resolution etc.	How far did flow move during exposure?	Na	
References:	Web level	√	
	Refereed journal level	√	
Clearly written		√	
Information is organized		√	
Good spelling and grammar		√	
Professional language (publishable)		√	
Provides information needed for reproducing flow	Fluid data, flow rates	√	
	geometry	Na	
	timing	Na	
Provides information needed for reproducing vis technique	Method	Na	
	dilution	Na	
	injection speed	Na	
	settings	Na	
lighting type	(strobe/tungsten, watts, number)	Na	
	light position, distance	Na	
Provides information for reproducing image	Camera type and model	!	
	Camera-subject distance	√	
	Field of view	!	
	Focal length	!	
	aperture	!	
	shutter speed	!	
	film type and speed or ISO setting	!	
	# pixels (width X ht)	!	
	Photoshop techniques	√	
	Print details	√	
	"before" Photoshop image	!	