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| Size of the field of view | 44,814 X 30,000 ft. |
| Distance from object to lens | 36,676 ft. |
| Lens focal length | 66mm |
| Lens specifications | 18.0-135.0 mm f/3.5-3.6 |
| Type of camera | Nikon D80 Digital SLR |
| Original Image Size | 3872 X 2592 |
| Final Image size | 3872 X 2592 |
| Aperture | F/6.3 |
| Shutter Speed | 1/640 second |
| ISO Setting | 100 |

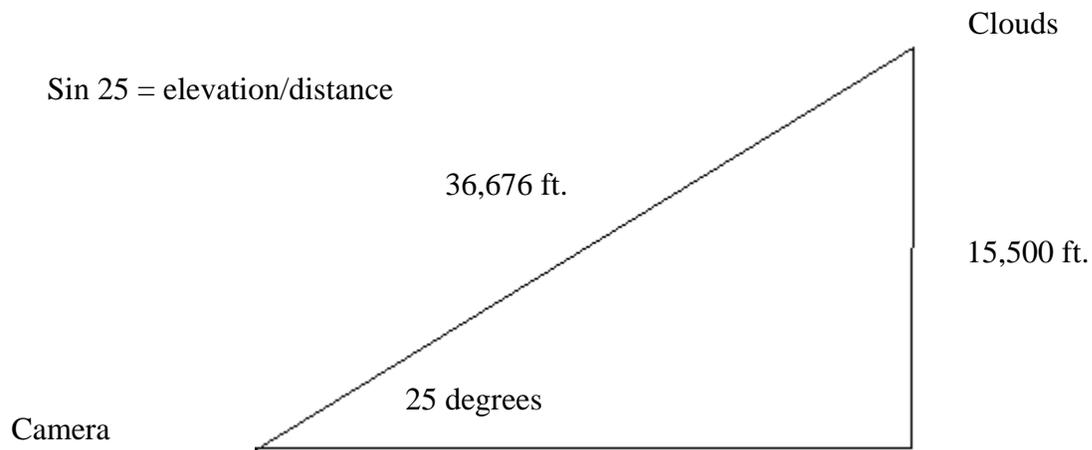


Diagram describing how distance from object to lens was calculated.

The photo was not edited in any way in Photoshop or any other photo modification software.

I thought the image captures the flatness of the bottom of the clouds quite well and fulfilled my intent. The lifted condensation level represents the height at which air being lifted dry adiabatically will become saturated because of adiabatic cooling and condense into clouds. This level approximates the level of the cloud base. This consistent factor caused the elevation of the base of the cloud to be similar across its span, thus creating its flat appearance.

I like the clouds themselves, but I also like their setting above the tree line and mountains in the background. I also like how the trees came out so dark, contrasting with the white clouds. I think the mountains could have been more pronounced as they almost blend into the trees. For future improvements, I think framing the clouds with either trees or the mountains, rather than trying to combine both will enhance the image and decrease confusion. I also believe the image could have been improved by trying to include even more of the skyline, attempting to show that more clouds have the same base elevation. In order to develop this idea even further, a superior vantage point would help immensely. It's incredibly difficult to estimate elevation from ground level but if the photo were taken from LCL height in an aircraft, then the phenomenon could be captured with much more vivid detail.

References:

Lifted Condensation Level, http://en.wikipedia.org/wiki/Lifted_condensation_level

Skew T Plot, <http://weather.uwyo.edu/upperair/sounding.html>

Cloud Information, <http://www.colorado.edu/MCEN/flowvis/links/index.html>