

Convex Mirror for Sky Viewing

Images seen with a convex 12 inch diameter mirror will show a wider view of the sky. The camera mounted above and to the right is aimed to the mirror so one can see a larger portion of the sky and how much of it is covered by clouds.

If you watch the mirror from one time to the next update and remember the position of the clouds you can tell which way the clouds are moving in the sky. Also another real advantage of having the mirror is that your camera is pointed down this way snow and precipitation does not clog the lens of the camera. The PVC pipe is used to protect the camera from water getting into the interior. The camera is a Speco Technologies Model VL-62 with a resolution of 420 TV lines.



This gives you a good method to determine the amount of cloudiness during the day. It can also be used to tell when you've had a sprinkle or are any form of precipitation to determine time that precipitation started. At night it can be used to tell how heavy a frost or dew was. If they dew is very heavy you will notice flow lines where the condensation has run off with the mirror. If the dew is heavy you'll see large condensation droplets but not much in the way of flow

lines where the condensation is run off. If the view is moderate you will see condensation drops that are fairly large but no flow lines where the condensation has run off. Then of course if it is light it would appear as a fog is on the mirror and if it is very light you would just see a hint of condensation.