

Re: Eyepiece quality

Source: <http://sci.tech-archive.net/Archive/sci.astro.amateur/2006-01/msg00161.html>

- *From:* james <george@xxxxxxxxxxxxxxxx>
 - *Date:* Mon, 02 Jan 2006 19:58:33 GMT
-

On Sun, 1 Jan 2006 08:01:11 -0600, "John Banister"
<banister@xxxxxxxx> wrote:

>+<James, interesting stuff. So what are the eyepiece designs to look for with
>+<a F4.7 scope?
>+<
>+<-John
>+< ----- Original Message -----
>+< From: james
>+< Newsgroups: sci.astro.amateur
>+< With the many fast scopes today these eyepieces are less desirable to
>+< the many 5 to 7 element designs if one is seeking wide field of view
>+< and long eyerelief. In scopes that are F/8 and longer, these will work
>+< well and give good visual viewing.
>+<
>+< james
>+<

Each design has its weaknesses and strengths. Each design is better at viewing different items such as deep space, planetary and even double stars. With this background I really do not like to favor any brand over another or even any design in a forum like this because what I find acceptable for viewing, others will most likely not agree with. The one basic recommendation I suggest is with planets and splitting multiple stars. These eyepieces should meet the definition of orthoscopy. This would include Abbe Orthos as well as others. Field of View is not as important in planetary work as is with deep space viewing. More often it is best to go to star parties and view through scopes similar to yours and with their eyepieces. I wear glasses but just cannot look through an eyepiece with them on. It does not matter how much eyerelief there is. Dang bifocals. So my preferences come with the baggage of my older eyes with some astigmatism in one and with > +2 diopter in both.

If you are into wide field of view with good eye relief than the Celestron/Orion Lanthinums will work. Radians will also will achieve good eye relief. There are others. Much will depend on your budget. If you don't wear glasses, then Abbe Orthos to any of the many varieties

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that Nagler, Pentax, Speer–Waller produce are good to excellent depending on what you wish to observe.

Having used a 15 inch F/4.5 scope, I found that the 35mm Panoptic is a very good wide field observing eyepiece. Fills the eye full of stars when looking into the heart of the Milky Way. The Meade 14 mm Ultra Wide is good. A 9mm Nagler also is a fine view. These were all used in conjunction with a photovisual paracorr also. Abbe Orthos work nicely on planets.

james

• ***Follow-Ups:***

◆ ***Re: Eypiece quality***

◇ *From:* John Banister

• ***References:***

◆ ***Re: Eypiece quality***

◇ *From:* John Banister

• Prev by Date: ***Re: Today, I Am The Luckiest Man In The World***

• Next by Date: ***Re: Today, I Am The Luckiest Man In The World***

• Previous by thread: ***Re: Eypiece quality***

• Next by thread: ***Re: Eypiece quality***

• Index(es):

◆ ***Date***

◆ ***Thread***