

Re: Best possible design for Fluorite doublet APO?

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Valery,

Not correct. I see ZERO color in-focus on Vega, the same on Sirius. All I see is the barest trace of color OUT-OF-FOCUS on Sirius, and it is so slight to easily be missed. ZERO color any any daylight object or any streetlight, and I have the worst offenders on my street for brightness.

Please do not try to put words in my mouth. It won't work here. All I see is a continued effort from multiple fronts to belittle this lens. I have reported quite accurately what I have seen. My first few days using this scope I had to use an extension tube which was too short for the scope. The original tube was designed for a 600mm FL lens (the production lens is 700mm that is in this scope), and this required both the diagonal and the extension tube to be partway out of the scope. This created collimation issues. With a proper length extension tube this went away, and allowed for much better test results. With a proper extension tube (3.5"), it works as I describe above. At no time did I see any color on Vega in-focus, even with a short extension tube. Currently, I can see none out-of-focus on Vega with the scope properly collimated. I also needed to align the prototype lens cell as well. William Optics had cut the holes too large for where it attached to the rear part of the cell, and created a decentering issue. I fixed that. If anything, production mechanics would have only improved upon my test results.

What you describe does fit my Orion 80ED. It shows some small color on Vega, as well and bright daylight objects, in-focus. The daylight view is the same as a reflector with the 92mm Fluorite, while the 80ED is clearly seen to be less than a true APO.

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I have no financial interest in this scope. If it fails, I still have a good scope that I paid for, nothing given me here. I did not have to buy this scope. I could easily have sent it back to Bill, as all he wanted was my opinion on it, and in fact, I had no desire to buy it before I looked through the scope. When I saw what it could do, I then asked Bill to sell it to me, as he basically said it was going to be thrown out when he was finished with it (scratch in the lens, which I sealed). I offered him his cost for the scope, and he took it, that simple. I felt I offered him a fair price, and so did he.

I am going to flip this one around the opposite way from the way I am getting criticized. Until this scope gets into other's hands stop trashing me here. Where I come from you are innocent until proven guilty. If you had someone on trial in court, and a tag team of the best prosecutors working on the defendant, with no legal representation, that would be called a miscarriage of justice.

I stood up for you Valery with the whole Chromacor situation. I don't deserve this treatment from you. Let this one go. The most anyone can say here is we need to see what the volume production run turns out to be, but that is a given with any product. I fully expect that there will be those that decide to be conservative, but since I had the chance to actually use the product in question, I chose to buy it. But then that is what money-back guarantees are for, and Bill does honor his.

Thanks, Tom Davis

"ValeryD" <aries@mercury.kherson.ua> wrote in message news:5c4a4ee7.0411240120.18f4a2d2@posting.google.com...
> *Somewhere else, Tom Davis wrote about promised 91.8mm*
> *Fluorite refractor.*
>
>> *What Thomas added by posting*
>> *the design, was credibility to what was being sold here, which was*
>> *not just a fluorite refractor, but a fluorite refractor with the*
>> *best possible design, and at a very low cost. My observations*
>> *through this scope don't contradict that in any way.*
>
> *Key words "best possible design". This is not true at all.*
> *With the best possible design of fluorite doublet with such*
> *small diameter and it's focal ratio, you will never see any*
> *trace of violet on Vega or Venus or even brightest street lamps.*
>
> *In your report you mentioned about smallest visible violet.*
>
> *In best possible design you will not be able to see (in focus)*
> *any trace of false colors on any object in thousands times*

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- > *brigher, than Vega in much larger Fluorite doublet, like our*
- > *ARIES 7" F/7.7, not saying about total absense of trace of*
- > *colors in such tiny 90mm doublet.*
- >
- > *This design, probably, is the best possible for China.*
- >
- > *We already heard from Bill Burgess, that his 127mm F/8*
- > *achromats were made with 1/20wave(!!!!) precision. What*
- > *were in the reality? Just decent achromats.*
- >
- > *Please, try to escape to use such words as best possible,*
- > *especially because you don't know exactly the subject.*
- >
- >
- >
- > *VD*