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[Previous](#) [Index](#) [Next](#) [Threaded](#)

Pages: 1 | [2](#) | [3](#) | ([show all](#))

pollux
 Post Laureate
 ★★★★★★



Reged: 04/01/04
 Posts: 4597
 Loc: Vancouver, BC,
 Canada

MV filter shoot out - WO vs Thousand Oaks
 #297163 - 01/01/05 04:53 PM

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Hey guys:

First, happy new year!

Since it's a holiday and many places are closed today therefore I can't go anywhere. I was a bit bored so I decided to take a few pictures to show you guys the head to head comparison to the MV filters I currently have (had) - William Optics VR-1 & Thousand Oaks' new MV.

Quite a few people are curious on how the new TO's MV filter work. As I mentioned before, this filter seems to work only on long refractors, short refractors don't really see the advantage with this filter. One good thing about this filter is that there's no apparent color shift like other MV filters.

On the other hand, William Optic's VR-1 is a lot more aggressive on violet removal (actually the MOST aggressive one, I have tested tons of MV filters). I think this filter was originally designed for their Magrez refractors which are very short focal length refractor. The filter does shift the color tone to yellow. Kind of annoying for daytime use but at night time this color shift is pretty much no an issue since human eyes are color blind in the dark anyway. Except when looking at moon which is so very bright.

I also have a Baader's Moon and Skyglow filter. I purchased it off Astromart for city light reduction. It actually works, works very well. I also did try using this filter with WO VR-1 to see if this can help shifting the color back to natural for daytime viewing. Good news! It works! Just like Fringe Killer and M&S being used together. The

difference between the combo of Fringekiller+MS and VR1+MS is that the VR1 combo does a better job on removing the violet halo (based on my past experience with Fringe Killer).

For daytime viewing, the combo of VR-1 and MS really does make the image quality of my SV AT1010 (false color wise) so close to the 80ED I tried (roughly 85%).

Here're the pictures for your reference. If you have any questions feel free to ask 😊







William Optics VR-1

Reference Scope: Stellarvue AT1010



Antares 152mm F6.5 achromat, modified HEQ5, dual-speed crayford
Skywatcher 120 ED w/ white vinyl cover, CG5, dual-speed crayford
William Optics ZenithStar 80 FD Anniversary Ed., Helix mini grab-n-go

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memberReged: 10/25/04
Posts: 93
Loc: PR**Re: MV filter shoot out - WO vs Thousand Oaks** 
[Re: **pollux**]

#297220 - 01/01/05 06:49 PM

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Judging by the third photo, the combo is quite effective in reducing CA with almost no color shift. What do you guess is the light transmission of the TO-MV+BMS?

Meade MTS-SN6
Celestron 9¼ SCT on a Losmandy G-11 w/Gemini
Orion 100 ED on Celestron CG-5 w/GoTo
Soon to part:
Orion 102 Mak-Cass
Orion SVP 100 EQ

Post Extras:   **Anonymous****Re: MV filter shoot out - WO vs Thousand Oaks** 
[Re: **pollux**]

#297223 - 01/01/05 06:53 PM

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Pollux,

Excellent pictures - thanks for taking time to post. Not only is the color quite good on the VR1/MS pic, but the clarity and contrast is excellent. I wish you had a Fringe Killer - I would love to see a comparison with the *bleep*/MS combo.

Regards,
Harley

C6-RGT

Post Extras:   

Unregistered

pollux

Post Laureate

★★★★★



Reged: 04/01/04

Posts: 4597

Loc: Vancouver, BC,
Canada**Re: MV filter shoot out - WO vs Thousand Oaks** NEW**[Re:]**

#297227 - 01/01/05 06:56 PM

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Basically VR-1 has very high transparency. Think of the slightly tinted car window.

As for the M&S filter. I also find one interesting thing is that the 1.25" has higher transparency than the 2". The 1.25" version is close to clear (blue) glass while the 2" is like a "smoky" clear blue glass.

All filters I tested (including the M&S) are 2" versions

Antares 152mm F6.5 achromat, modified HEQ5, dual-speed crayford
Skywatcher 120 ED w/ white vinyl cover, CG5, dual-speed crayford
William Optics ZenithStar 80 FD Anniversary Ed., Helix mini grab-n-go

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Post Extras:

Scott Beith

SRF

★★★★★



Reged: 11/26/03

Posts: 22288

Loc: Gulfport, MS

Re: MV filter shoot out - WO vs Thousand Oaks NEW**[Re: pollux]**

#297261 - 01/01/05 07:51 PM

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Thanks Pollux,

Very nice and informative report.



Scott

TMB 130SS (IT'S HERE - THANKS ASTRONOMICS!)
 SV102V/CG-5(AS-GT)