

# Sussex Astronomy Centre

16 Mulberry Lane, Goring by sea, Worthing, West Sussex  
**Filters (information only)**

**ORANGE - #21 Orange 46% T...** **Moon** - Greatly enhances lunar features. **Jupiter** - Improves appearance and detail revealed in structure of Jovian belts. Enhances viewing of festoons and polar regions. **Mars** - Reduces light from the blue and green areas which darken the maria, oases and canal markings, while lightening the orange-hued desert regions. Also sharpens the boundaries of yellow dust clouds. **Mercury** - Reduces the brightness of blue sky during daylight observing, to reveal surface features. **Saturn** - Improves structure of the Saturnian bands and highlights blue polar regions. **Venus** - Use during daylight observing to reduce brightness of blue sky. **Comets** - Enhances definition of comet dust tails and heads in larger telescopes (11" and greater aperture). Solar-When using a Solar Filter, adding this orange filter will give true colour rendition.

**BLUE - #8QA Light Blue 30% T...** **Moon** - Enhance lunar detail. **Jupiter** - Enhance the boundaries between the reddish belts and adjacent bright zones. Useful for viewing the Great Red Spot. **Mars** - Very useful during the violet clearing. Helpful in studying surface features and polar caps. **Mercury** - Improve observation of dusky surface markings at twilight, when the planet is near the horizon. **Saturn** - Enhance low-contrast features between the belts and zones. **Venus** - Useful for increased contrast of dark shadings in upper Venusian clouds. **Comets** - Bring out the best definition in comet gas tails.

**YELLOW #12 Deep Yellow 74% T...** **Moon** - Enhance lunar features. **Jupiter** - Penetrate and darken atmospheric currents containing low-hue blue tones. Enhance orange and red features of the belts and zones. Useful for studies of the polar regions. **Mars** - Reduce light from the blue and green areas which darken the maria, oases and canal markings, while lightening the orange-hued desert regions. Also sharpen the boundaries of yellow dust clouds. **Neptune** - Improve detail in larger telescopes (11" and larger apertures). **Saturn** - Penetrate and darken atmospheric currents containing low-hue blue tones. Enhance orange and red features of the belts and zones. **Uranus** - Improve detail in larger telescopes (11" and larger apertures). **Venus** - Reveal low-contrast surface features. **Comets** - Enhance definition in comet tails.

**RED #25 Red 14% T...** **Moon** - Improves lunar features. **Jupiter** - Useful for studying bluer clouds. **Mars** - Ideal for observation of the polar ice caps and features on the Martian surface. Sharpens the boundaries of yellow dust clouds. **Mercury** - Improves observation at twilight, when the planet is near the horizon. During daylight, it reduces the brightness of the blue sky to enhance surface features. **Saturn** - Useful for studying bluer clouds. **Venus** - Use during daylight observing to reduce brightness of blue sky. Occasionally deformations of the terminator are visible.

**GREEN #56 Light Green 53% T...** **Moon** - Enhances lunar features. **Jupiter** - Increases visibility of the Great Red Spot. Useful for observing the low-contrast hues of blue and red that exist in the Jovian atmosphere. **Mars** - Excellent for increased contrast of Martian polar caps, low clouds and yellowish dust storms. **Venus** - Useful for Venusian cloud pattern studies. Reduces brightness of blue sky during daylight observing.

**GREEN #58A Green 24% T...** **Saturn** - Enhances white features in the Saturnian atmosphere. **Comets** - Useful for observing brighter comets, **Moon** - Enhances lunar features. **Jupiter** - Increases visibility of the Great Red Spot. Useful for observing the low-contrast hues of blue and red that exist in the Jovian atmosphere. **Mars** - Excellent for increased contrast of Martian polar caps, low clouds and yellowish dust storms. **Venus** - Useful for Venusian cloud pattern studies. Reduces brightness of blue sky during daylight observing.

**Contrast Booster....** A Must-have filter for viewing deep space nebular, reduces sky glow in light polluted areas and brings out detail on planets etc.

[www.sussex-astronomy-centre.co.uk](http://www.sussex-astronomy-centre.co.uk)

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