

Astroschool: Filters



January 16th, 2014

Astronomical filters

Filters block unwanted light

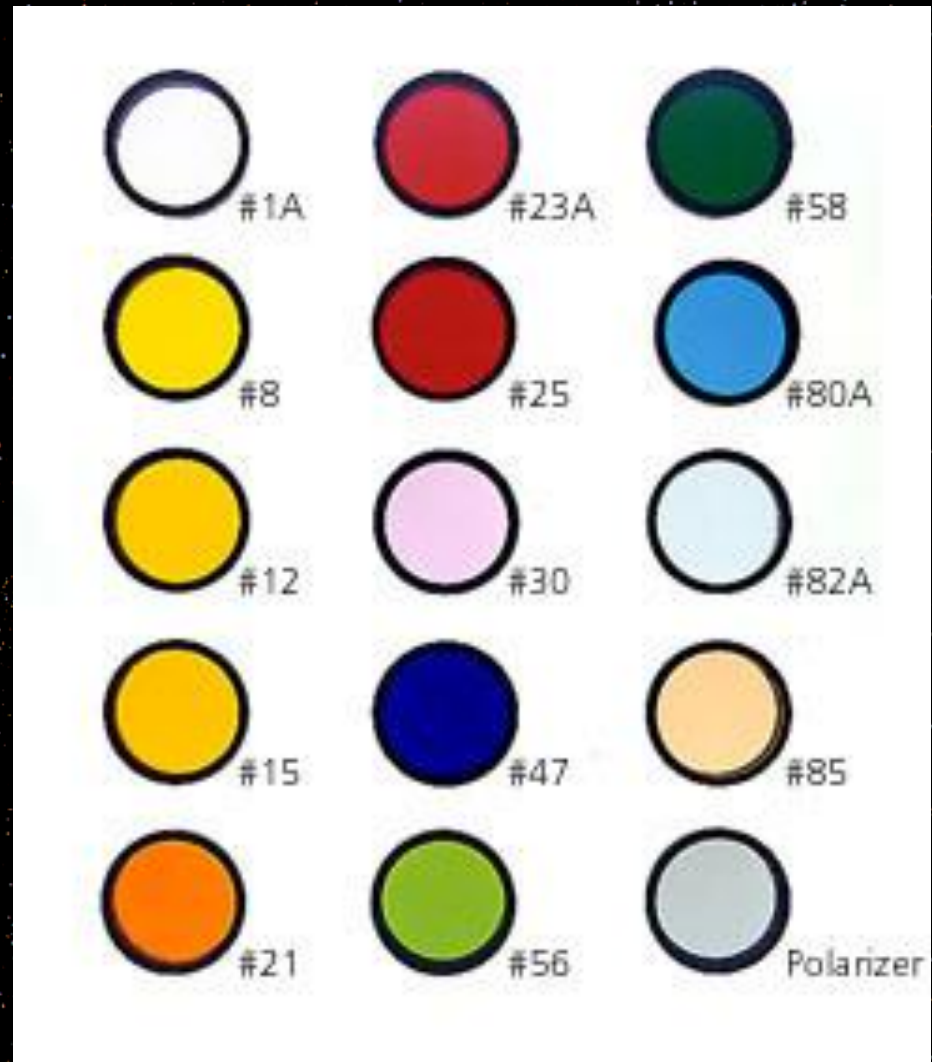
In doing so, they increase contrast

Astronomical filters



Astronomical filters

Kodak's Wratten series can be purchased in over a hundred colors and densities and can be mounted in slide mounts and simply held between the eyepiece and the eye.



Astronomical filters

Wratten Number	Color	Features
25 25A 29	Red	General Surface Features Best Contrast between Maria and Plains Dust Storms
21 23A	Orange	General Surface Features Dark Maria Yellow Clouds and Dust Storms
12	Yellow	Yellow Clouds and Dust Storms
15	Yellow	General Surface Features
57 58	Green	White Clouds Polar Melt Line Yellow Clouds White Features on Reddish Areas
80A	Pale Blue	Upper Atmosphere Clouds White Clouds over Maria
38 38A	Blue	Upper Atmosphere Clouds White Clouds over Maria
47	Violet	High Altitude Clouds Equatorial Cloud Bands Limb Clouds Polar Hazes and Clouds

White-light solar filters



White-light solar filters



White-light solar filters



Hydrogen-alpha solar filters

11R
15



THE VISUAL PACKAGE

MOUSE-OVER EACH OF THE ICONS
AND SEE SOME MORE DETAILS

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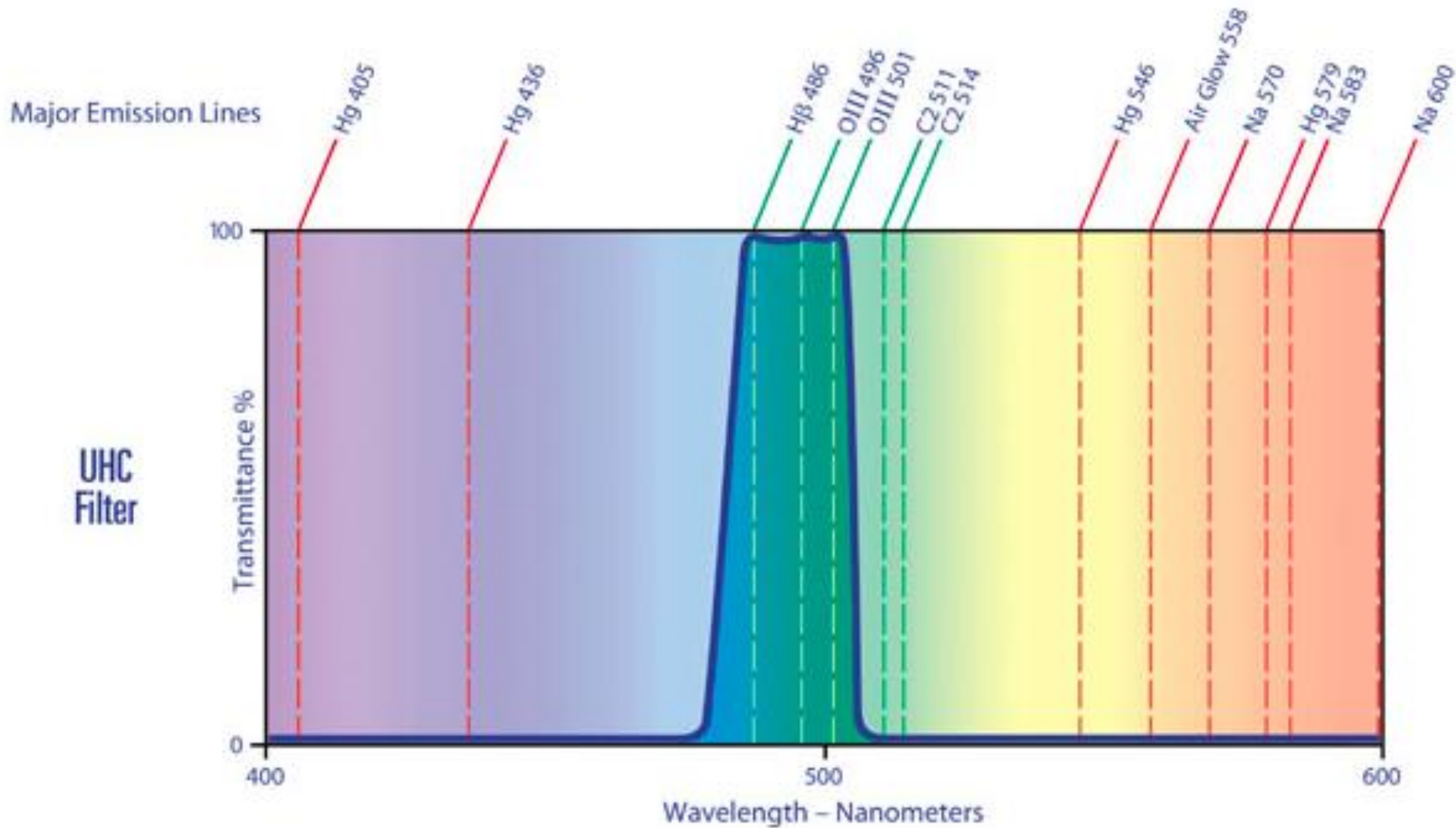
Hydrogen-alpha solar filters



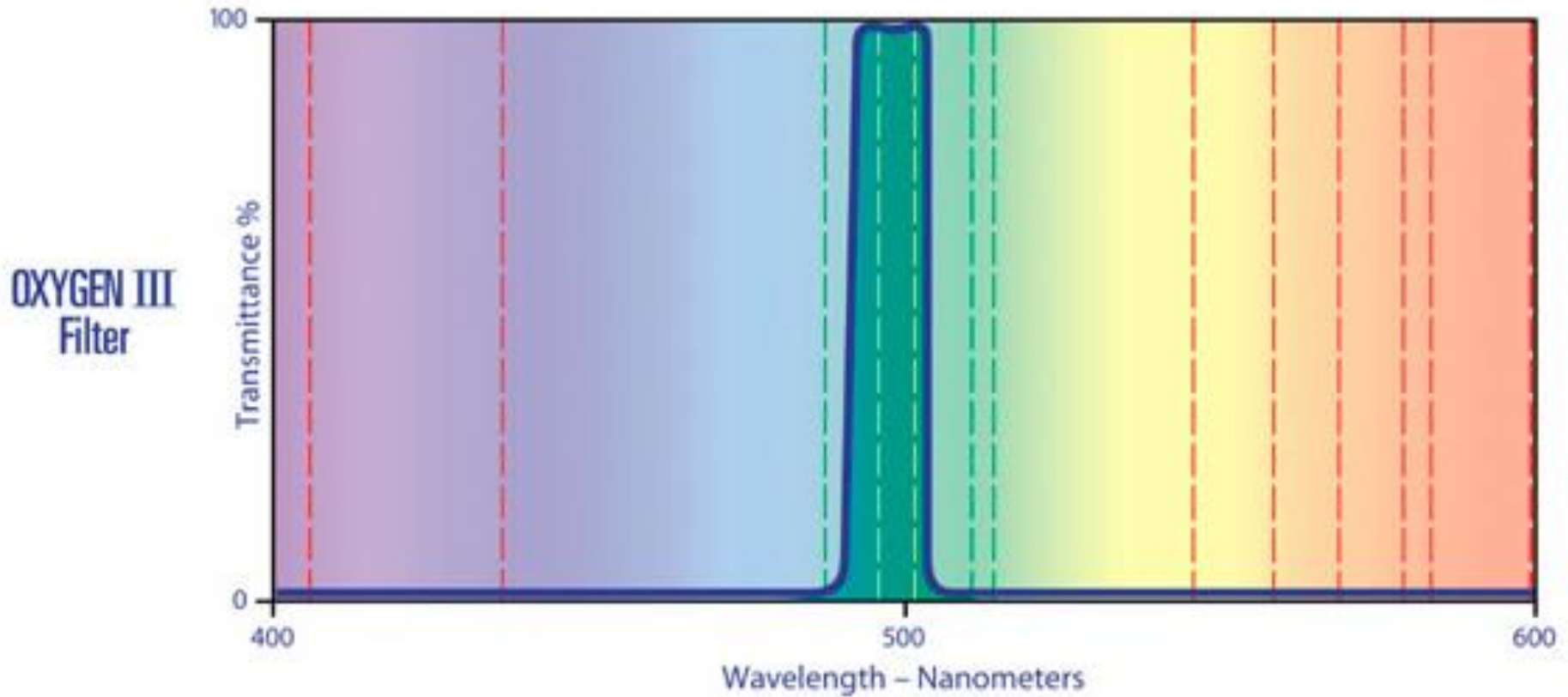
Hydrogen-alpha solar filters



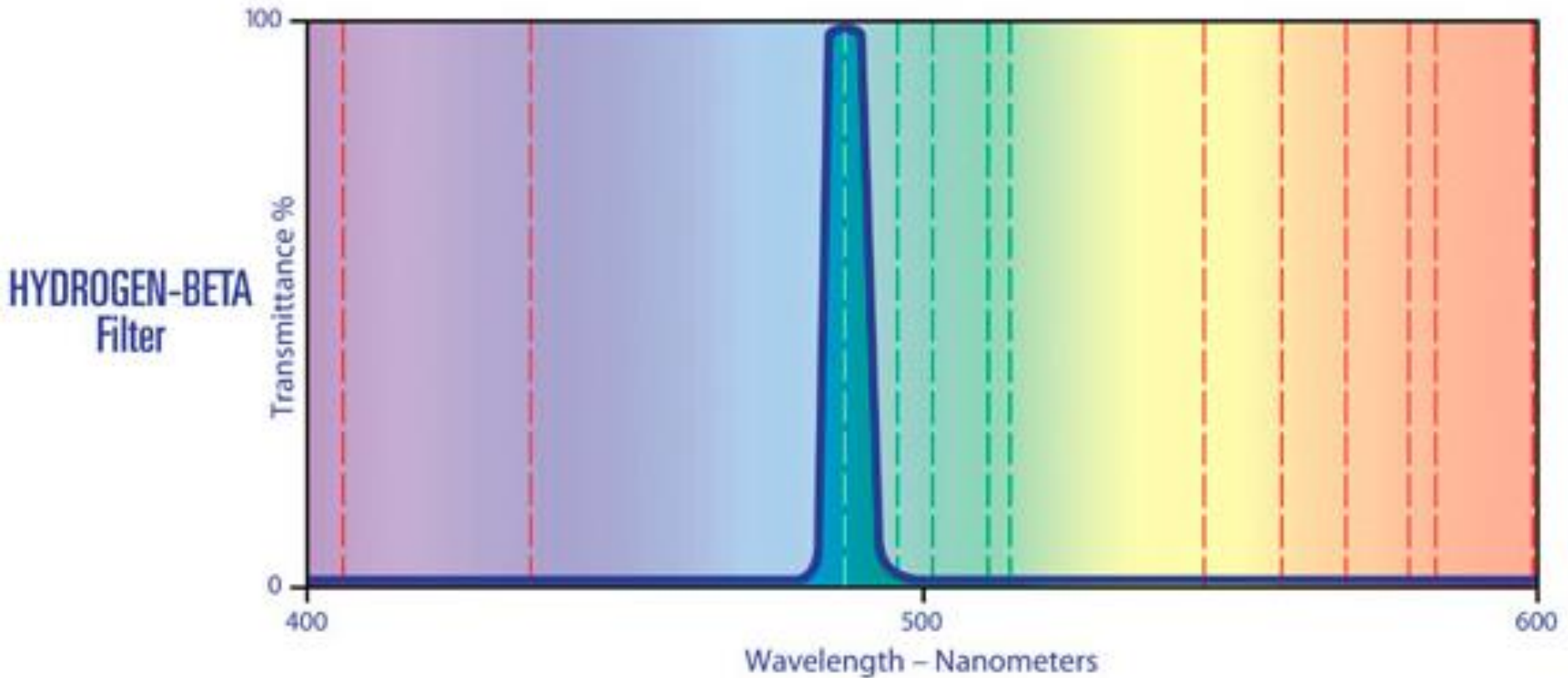
Astronomical filters



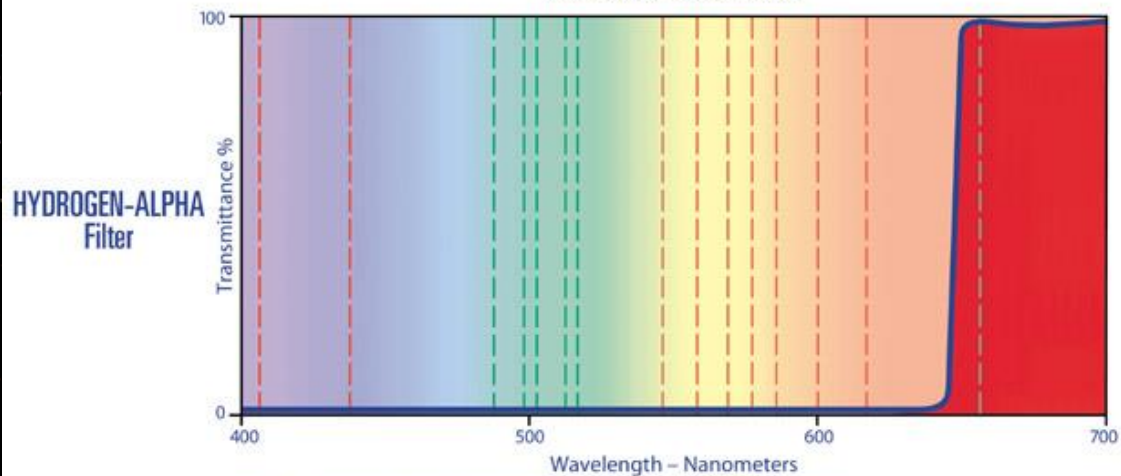
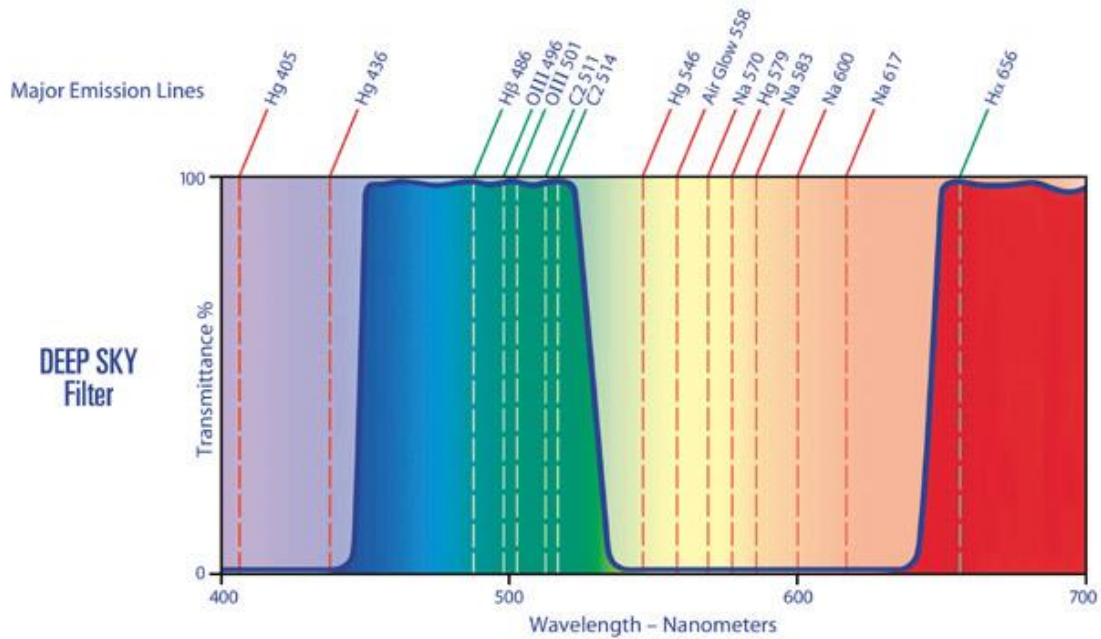
Astronomical filters



Astronomical filters



LUMICON FILTER PROFILES



NOTE: Transmittance above 630nm is used for photography only.

Emission Line Key

- Celestial:
 - H α - Hydrogen Alpha
 - H β - Hydrogen Beta
 - OIII - Oxygen three
 - C2 - Acetyl
- Non Celestial:
 - Hg - Mercury
 - Na - Sodium
 - Airglow

Astronomik EOS clip-in



Astronomik EOS clip-in

