# UNE PETITE LUNETTE POUR NOËL…

## COMMENT L'UTILISER
## COMMENT L'AMÉLIORER

Par Robert Saint-Jean

# DIFFÉRENT DESIGN…

# L'OPTIQUE PRIMAIRE

# L'OPTIQUE SECONDAIRE

Lentille de Redressement 1,5x

Barlow 2x ou 3x

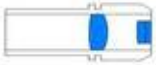
Oculaire

Prisme 90°

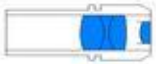
# LE POINT FAIBLE : LES OCULAIRES

**Huygens Telescope Eyepiece:** At one time, these were supplied as .965" eyepieces with many amateur telescopes. They were a simple, two element design that had very short eye relief and a very restricted field of view.

**Ramsden Telescope Eyepiece:** This is also a two element design with improved optical quality, but it simply isn't up to modern standards. The Ramsden has a small field of view and is best suited for telescopes with f-ratios of less than f/10.



**Kellner Telescope Eyepiece:** The Kellner is a three element design that delivers sharp, bright images at low to medium powers and works best in small to medium telescopes, Kellner eyepieces are noted for an apparent field of view of about 40 degrees and good eye relief at low power.



**Orthoscopic Telescope Eyepiece:** The Orthoscopic eyepiece is a four element design and is still often considered the best all-round eyepiece for planetary, lunar and solar viewing. It is noted for sharp views, excellent color correction, good contrast and longer eye relief.

**Plossl Telescope Eyepiece:** The four element Plossl design is perhaps the most popular telescope eyepiece design on today's market and an all-around performer. It provides excellent image quality, good eye relief and an apparent field of view of about 50 degrees. A well manufactured Plossl will deliver high contrast and pinpoint sharpness out to the edge of the field of view.

**Erfle Telescope Eyepiece:** The Erfle consist of five or six elements and was created solely for an ultra wide field of view – such as 60 to 70 degrees. At low powers it provides impressive deep sky views – huge swatches of sky with contrasty backgrounds and pinpoint stars. Galaxies and nebulae are framed by the fields in which they lay. However, at high magnification the image sharpness can become distorted at the edges of some manufacturer designs in some telescopes without corrective measures.

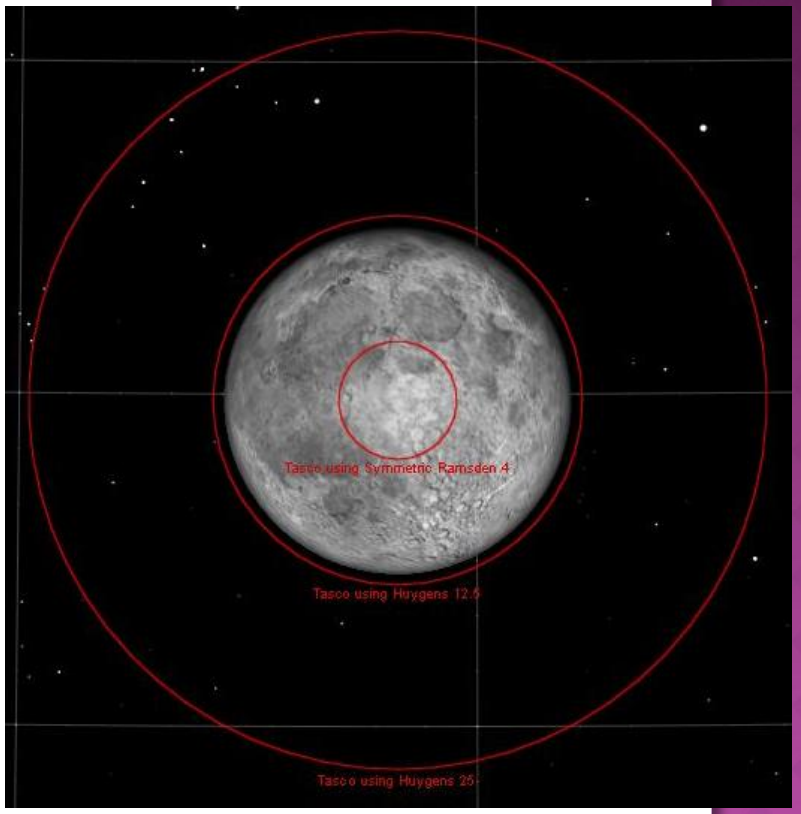
http://www.universetoday.com/17064/telescope-eyepiece/

0,965" : dépassé
1,25" et 2" : la norme

# LES OCULAIRES

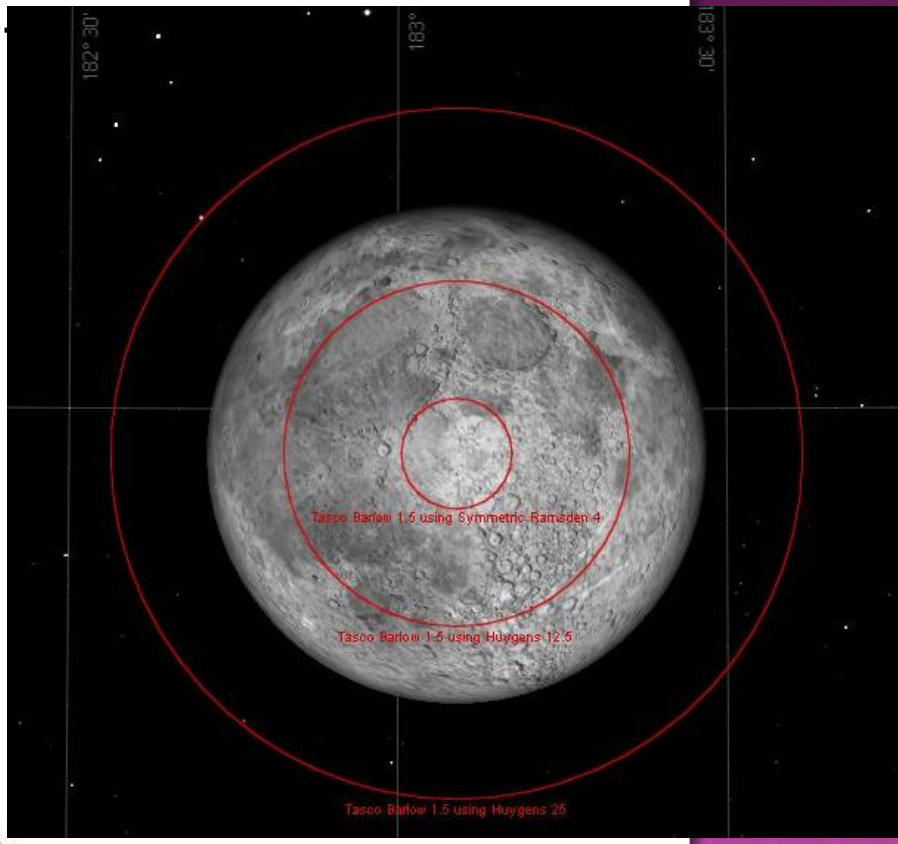
# CHAMPS DE VISION @F/15

- Oculaires 25mm, 12,5mm et 4mm
- La lunette 900mm f/15



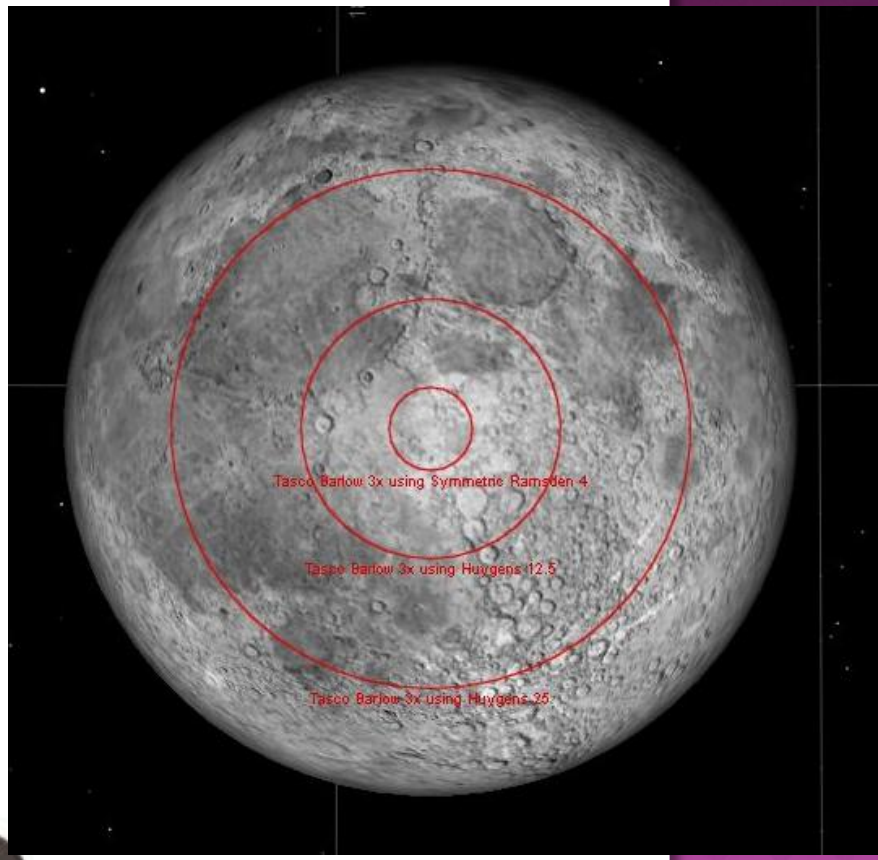
# CHAMPS DE VISION @F/23

- Oculaires 25mm, 12,5mm et
- La lunette 900mm f/15
- Avec prisme érecteur 1,5x

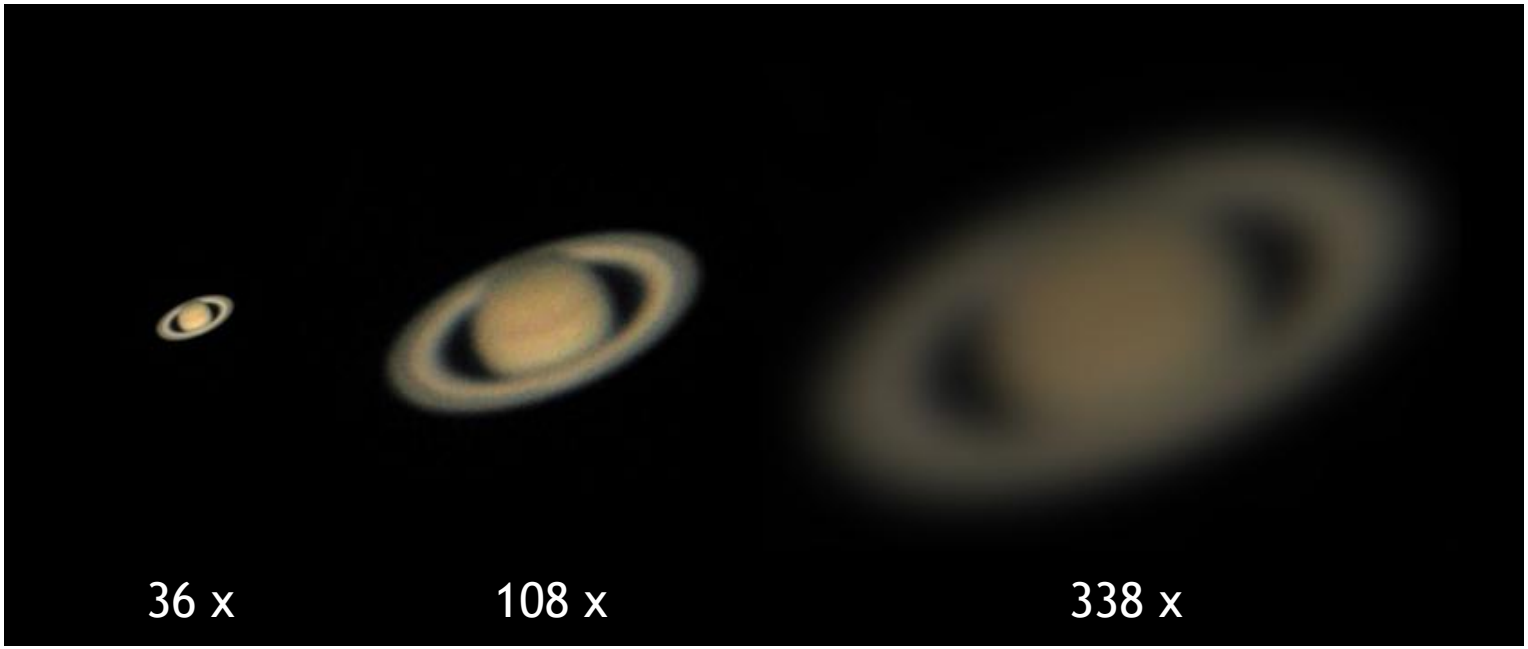


# CHAMPS DE VISION @F/45

- Oculaires 25mm, 12,5mm et 4mm
- La lunette 900mm f/15
- Lentille Barlow 3x



# GROSSIR OUI MAIS PAS À N'IMPORTE QUEL PRIX



# GROSSIR OUI MAIS PAS À N'IMPORTE QUEL PRIX

| | f/15 | f/23 (prisme 1,5x) | f/45 (Barlow 3x) |
|---|---|---|---|
| 25 mm | 36 x | 54 x | 108 x |
| 12,5 mm | 72 x | 108 x | 216 x |
| 4 mm | 225 x | 338 x | 675 x |

Grossissement maximal = Diamètre en pouces X 50
2,4" X 50 = 120

# N'ACHETEZ PAS N'IMPORTE OU…

**telescope BUSHNELL**

| | |
|---|---|
| Date de l'affichage | 08-févr.-13 |
| Dernière mise à jour | 08-févr.-13 |

**Telescope Orbitor 2000**

| | |
|---|---|
| Date de l'affichage | 23-janv.-13 |
| Dernière mise à jour | 23-janv.-13 |
| Prix | **$40,00** |
| Adresse | Rosemère, QC J7A, Canada<br>Afficher la carte |

Téléscope Orbitor 2000 en très bon état. Longueur focale: 700 mm, diamètre: 60 mm. Set de 3 lentilles.

Visites: 70

# EN VENTE SUR KIJIJI

- Sachez lire entre les lignes…

**Téléscope Tasco Luminova (neuf)**

| | |
|---|---|
| Date de l'affichage | 05-janv.-13 |
| Prix | **$200,00** |
| Adresse | Fabreville, Laval, QC, Canada<br>Afficher la carte |

Téléscope Tasco Luminova grossissement jusqu'à 675x. Neuf (dans la boîte d'origine), valeur de 300$.

Comprend:
-Lentille Barlow 3X
-Oculaire interchangeable de 1,25"/ 31.7 mm-25 mm, 12.5 mm, 4 mm
-Filtre lunaire de 1,25"/31.7mm
-CD-room Tasco Sky Watch avec base de données de 10,000 objets célestes
-Trépied Robuste en métal

Visites: 64

# ALTERNATIVES…

~$100

~$100

~$300