Amazing Space! April - June 2012

Getting started in astronomy is as easy as looking up. This newsletter shows you how to find the planet Saturn, the Moon and constellations without a telescope.

Moon	May 4: Use the Moon to find Saturn	• Spica	June 1: Use the Moon to find Saturn
Spica • Saturn	Look below and to the right of the Moon in the early evening sky. The pale yellow star is the planet Saturn.	Mooi Saturn West North	Look below and to the right of the Moon in the early evening sky. The pale yellow star is the planet Saturn.

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## Crux 'The Southern Cross' and 'The Constellations

Pointers'

Look above the

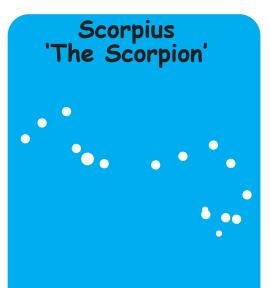
Southern horizon at

the end of evening

twilight (April-June).



Constellations are imaginary pictures in the sky. Can you imagine a giant Scorpion or a Cross in the night sky?



Look low above the South Eastern horizon at 7.30 pm in early May and 6.30 pm in early June.





Don't forget to look for June's Partial Lunar Eclipse and an even rarer Transit of Venus. Miss the latter and you will have to wait until 2117 to observe the next transit!

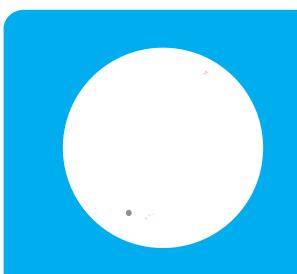


## June 4: Partial Eclipse of the Moon

Lunar eclipses occur when the Moon's orbital motion carries it through the Earth's shadow.

Partial Lunar Eclipse Event times Partial Eclipse starts: 7.59pm Mid-eclipse: 9.03pm Partial Eclipse ends: 10.07pm

All times Australian Eastern Standard Time. The next total Lunar eclipse visible from Eastern Australia will occur on 15 April 2014.



Above: The Transit of Venus underway

For more information on how to safely observe the Transit of Venus, and start and finish times for your location, go to www.transitofvenus.nl

A flip book showing the Transit of Venus can be downloaded here: http://nightskyonline.info/?page\_id=1987

Warning: Never look directly at the Sun without specialist eye protection. Permanent eye damage will result. June 6: Venus transits the Sun

A transit occurs when Venus's orbital motion carries it across the Sun as seen from the Earth. This occurs rarely due to the slight difference in Venus's orbit around the Sun compared to the Earth's (both tilt and speed).

## **GET READY FOR TWO BIG SOLAR EVENTS**

SOLAR ECLIPSE **TRANSIT OF VENUS** 06.06.2012

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on to Sunspots in



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film (no Mylar).

is a patented, specially manu-

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this precision film was made

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absolute homogeneity, the foil

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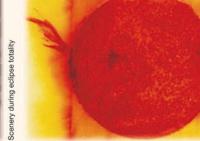
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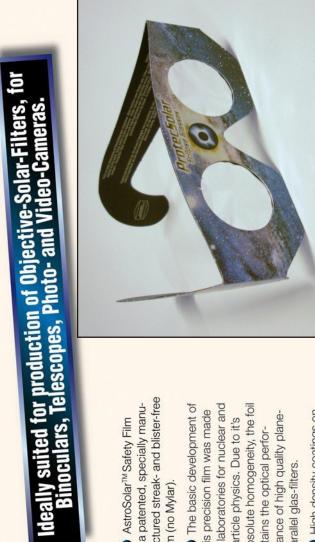
both sides of the foil ensure a highly uniform filtering capaci-

High density coatings on



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> result in an extremly contrasty solar image with neutral den-

ty without pinhole effect, to

sity characteristics. The sun

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