



"WHAT'S UP"

A presentation of "what's up" in the night sky



This Month's Sky: April 2013

- Our Solar System Tonight
- April Astro Events
- Target List
- Gee Whiz Question of the Month
- > CE Observing Challenge



Our Solar System Tonight

| | Rises | Sets | |
|---------|-----------|------------|--|
| Sun | 7:05 a.m. | 8:04 p.m. | |
| Moon | 9:05 a.m. | 11:19 p.m. | |
| Mercury | 6:13 a.m. | 6:05 p.m. | |
| Venus | 7:23 a.m. | 8:22 p.m. | |
| Mars | 7:13 a.m. | 8:07 p.m. | |
| Jupiter | 9:53 a.m. | 12:05 a.m. | |
| Saturn | 9:06 p.m. | 8:09 a.m. | |
| Uranus | 6:32 a.m. | 6:52 p.m. | |
| Neptune | 5:00 a.m. | 4:08 p.m. | |
| Pluto | 1:50 a.m. | 12:04 p.m. | |



April Astro Events

- > PANSTARRS still dazzles
- Lyrid Meteor Shower
- **Moon/Jupiter Conjunction** →
- Moon/Spica Conjunction
- Saturn Shines Bright
- Heads up for Eta Aquarids



PANSTARRS still dazzles







Lyrid Meteor Shower



Earth, Mansfield, GA, 38m FOV 75.3° 59.6 FPS 2013-04-22 02:00:00

Moon/Jupiter Conjunction





Moon/Spica Conjunction



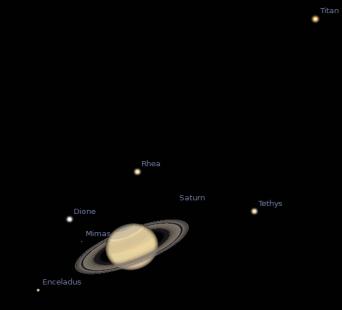
Date and Time > 2013 / 4 / 24 21 : 0 : 0

Earth, Mansfield, GA, 38m FOV 4.41° 49.6 FPS 2013-04-24 21:00:00



Saturn Shines Bright Opposition on April 28th





Earth, Mansfield, GA, 38m FOV 0.0526° 39.2 FPS 2013-04-28 00:00:00







Target List

| Object (Asterism) | Type | Mag | Constellation |
|-----------------------------|----------|----------|--|
| Butterfly (A.K.A- Keystone) | Asterism | 3 (x6) | Hercules |
| Diamond | Asterism | 3 (x4) | Virgo |
| Guardians of the Pole | Asterism | 2/3 | Ursa Minor |
| Sickle | Asterism | 1-3 | Leo |
| Winter Circle | Asterism | -1.5-1.6 | Auriga, Gem, Can Min, Can. Maj, Orion, Taurus |



Asterisms

Butterfly

• A group of six 3rd magnitude stars near the center of the constellation Hercules. The four northern stars in the Butterfly are more commonly known as the Keystone.

Diamond

• A group of four stars near the center of the constellation Virgo. This is not a prominent asterism as three of the stars are 3rd magnitude. The fourth star is 1st magnitude Spica.

Guardians of the Pole

• The two stars at the end of the Little Dipper. These stars are 2nd magnitude Kochab and 3rd magnitude Pherkad. The Guardians get their name from their proximity to the North celestial pole.

The Sickle

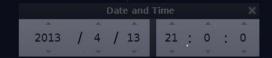
• A group of six stars in the constellation Leo. AKA the Backwards?.

Winter Circle

• Composed of the eight brightest stars in the Northern Hemisphere's Winter/early Spring sky. Extends over 60 degrees across the sky. In clockwise order, these stars are Capella, Menkalinan, Castor, Pollux, Sirius, Rigel, and Aldeberan.



Winter Circle





W

Earth, Mansfield, GA, 38m

FOV 91.3°

58 9 FPS

2013-04-13 21:00:00

Gee Whiz Question of the Month

On this day (actually tomorrow) in history, what major space related event took place in 1970?

Gee Whiz Question of the Month

Oxygen tank on Apollo 13 ruptured.



CE Observing Challenge

Antennae Galaxies (NGC 4039)

- Magnitude 10.3
- > R.A 12h 02m 35.57s
- Dec. -18° 57' 38.9"

ENJOY!!



Useful Websites

- Stellarium for Windows
- Mobile Planetarium for Android
- SkySafari for Android
- http://www.skyandtelescope.com
- http://www.sciensational.com/astronomy.html

