





"WHAT'S UP"

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



This Month's Sky: September 2013

- Our Solar System Tonight
- Mars Gets Stung
- ISON Update
- Monthly Lunar Feature/Name
- Quadruple Conjunction
- Autumnal Equinox (YAAAAYYYY!!!)
- Gee Whiz Question of the Month
- CE Observing Challenge



Our Solar System Tonight

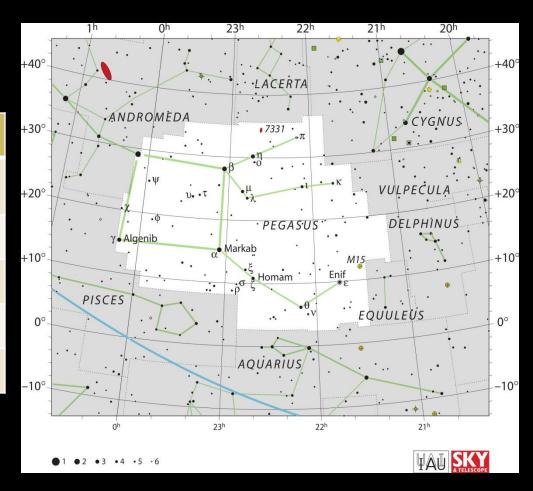
	Rises	Sets
Sun	07:13 a.m.	07:51 p.m.
Moon	9:17 a.m.	9:01 p.m.
Mercury	8:10 a.m.	8:26 p.m.
Venus	10:28 a.m.	9:37 p.m.
Mars	4:08a.m.	6:02 p.m.
Jupiter	2:28 a.m.	4:39 p.m.
Saturn	11:21 a.m.	10:21 p.m.
Uranus	8:56 p.m.	9:25 a.m.
Neptune	7:16 p.m.	6:25 a.m.
Pluto	3:58 p.m.	2:14 a.m.



Pegasus Over Charlie Elliott

Pegasus Deep Sky Objects Visible Tonight... (Be sure to ask for a sky map!)

Object	Description	Magnitude
NGC 7317- 7320	Galaxy Cluster	13.2
NGC 7331	Spiral Galaxy	10.4
NGC 7479	Spiral Galaxy	10.9
NGC 7217	Spiral Galaxy	11
M15	Globular Cluster	6.2





Mars Gets Stung





Mars Gets Stung



Asellus Boreali:

Acallus Australis

Earth, Mansfield, GA, 38m FOV 3.55° 62.3 FPS 2013-09-08 05:45:



ISON A Bust?

As seen from Earth, Comet ISON was behind the sun in June and July. Its recovery occurred on August 12, 2013; however, its brightness is not what was hoped. This month, it might be bright enough to be seen by observers using small telescopes at dark locations





Monthly Lunar Feature

The Alpine Valley (A.K.A: Vallis Alpes)-14th,26th,27th





Monthly Full Moon Name

The September Moon is known as the Full Corn Moon because it traditionally corresponds with the time of harvesting corn. Farmers were able to use the light of the full moon to light the fields. There is another name for the Full Moon this month...any ideas? Hint, look at the picture \rightarrow





Quadruple Conjunction

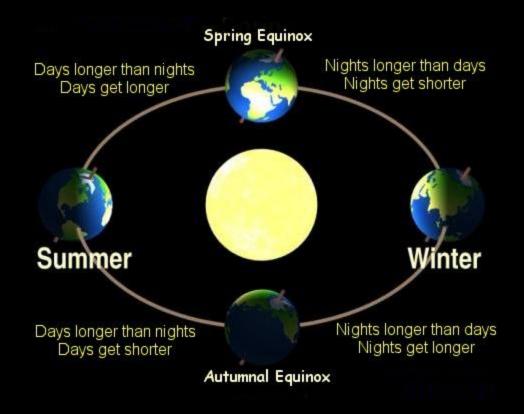
Saturn, Venus, the Moon, and Spica. The two planets will be within 3 degrees of each other in the early evening sky. Venus will be at magnitude -4.6 and Saturn will be at magnitude -1.1. Look for all 4 objects low in the western sky in the early evening.





The Autumnal Equinox

The 2013 Autumnal Equinox occurs on Sunday, September 22, 2013, at 4:44 PM EDT. An equinox occurs twice each year. Once on or around March 20th, and again on or around September 22nd. An equinox occurs when the tilt of the Earth is inclined neither away nor toward the sun, causing the number of minutes of darkness and the number of minutes of light to be almost equal on that day. The term "equinox" is derived from the Latin words *aequus* (equal) and *nox* (night).





Gee Whiz Question of the Month

Why do the Sun and Moon appear almost exactly the same size as viewed from Earth?



Gee Whiz Question of the Month

Because the Sun is 400 times bigger and 400 times further away than the Moon.



CE Observing Challenge

Pease 1

- Planetary Nebula in Pegasus
- Magnitude 15.10
- Right Ascension: 21h 30m 39.81s
- Declination: 12° 14' 12.0"

ENJOY and GOOD LUCK!!!!!!!!



Useful Websites

- Stellarium for Windows
- SkySafari for Android
- http://www.skyandtelescope.com
- http://www.jodrellbank.manchester.ac.uk/astrono my/nightsky/#highlights http://www.almanac.com/astronomy



