



Steve Siedentop craters Clavius and Tycho (from L to R)



“WHAT’S UP”

A presentation of “what’s up” in the
night sky



This Month's Sky: February 2013

- **Our Solar System Tonight**
- **This Month's Astro Events**
- **Target List**
- **Gee Whiz Question of the Month**
- **CE Observing Challenge**



Our Solar System Tonight

	Rises	Sets
Sun	7:24 A.M.	6:15 P.M.
Moon	6:36 A.M.	5:54 P.M.
*Mercury	8:13 A.M.	7:29 P.M.
Venus	6:53 A.M.	5:15 P.M.
Mars	8:13A.M.	7:23 P.M.
*Jupiter	12:33 P.M.	2:37 A.M.
*Saturn	12:28 A.M.	11:22 A.M.
Uranus	9:31 A.M.	9:44 P.M.
Neptune	8:01 A.M.	7:05 P.M.
Pluto	4:53 A.M.	3:08 P.M.



This Month's Astro Events

- **Constellations**
- **Planetary Conjunction**
- **MM & M**
- **Mercury at its best**
- **Moon/Jupiter Conjunction**
- **Vesta/Ceres still hanging around**



Great Month for Constellations





Constellations Cont.

- 6 of the 17 brightest stars are in this section of the sky
- This includes the brightest star in the night sky
- The Greek meaning for this word translates to “Scorcher”



Planetary Conjunction #1

Feb 8th: Closest Planetary Conjunction of 2013
Mercury at Mag. -1 only 0.3 degrees above Mars

Date and Time

2013	/	2	/	8	:	18	:	30	:	0
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Mercury
Mars

A photograph of a twilight sky with a brownish-orange hue. Two bright points of light are visible in the center, labeled 'Mercury' and 'Mars'. The 'Mercury' label is positioned slightly above and to the right of the 'Mars' label. The background shows dark silhouettes of trees and a utility pole.



Moon, Mercury & Mars

Feb 11th: Binoculars will deliver a spectacular view of the three



Date and Time

2013	/	2	/	11	:	18	:	30	:	0
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Mercury at its best for 2013

Mercury will be at its furthest angle from the Sun, known as greatest elongation.



Date and Time X
2013 / 2 / 16 18 : 30 : 0

Mercury

Mars

W



Moon Jupiter Conjunction

Feb 18th: The Moon will pass less than one degree from Jupiter



Date and Time

2013	/	2	/	17	:	22	:	30	:	0
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Vesta Still Here



Aldebaran

Jupiter



Ceres Still Here





Target List

Object	Type	Mag	Constellation
M33	Spiral Galaxy	5.7	Triangulum
M74	Spiral Galaxy	9.4	Pisces
M77	Spiral Galaxy	8.9	Cetus
NGC 2997	Spiral Galaxy	9.5	Antila
M94	Spiral Galaxy	8.2	Canes Venatici
NGC 1365	Spiral Galaxy	9.6	Fornax
M36	Open Cluster	6	Auriga
Alpha Geminorum (Castor)	Double Star	2.9/1.98	Gemini
Beta Geminorum (Pollux)	Double Star	1.2/13.8	Gemini



Charlie Elliott Chapter of the Atlanta Astronomy Club

Gee Whiz Question of the Month

- **What percent of Americans know that the Sun is a star?**



Charlie Elliott Chapter of the Atlanta Astronomy Club

Gee Whiz Question of the Month

55%



CE Observing Challenge

- **Duck Nebula (a.k.a: Thor's Helmet)**

- **NGC 2359**
- **Magnitude 11.5**
- **In Canis Major**
- **R.A: 07h 19m 13.31s**
- **Dec: -13° 13' 36"**

- **ENJOY!!!**



Useful Websites

- <http://www.almanac.com/astronomy/>
- <http://astrojourney.wordpress.com>
- <http://www.astronomy.com/>
- <http://www.seasky.org/astronomy/astronomy-calendar-current.html>



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