



*Charlie Elliott Chapter of the Atlanta Astronomy Club*



Comet C/2011 L4 PanSTARRS 2013-03-10 Lake Vamer Covington GA, Theo Ramakers Oxford.



# **“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**



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# PANSTARRS still dazzles



ASTROPHOTOGRAPHER  
GÖRAN STRAND  
[astrofotografen.se](http://astrofotografen.se)





# Lyrid Meteor Shower







# Moon/Jupiter Conjunction



Date and Time

2013	/	4	/	14	21	:	0	:	0
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# Moon/Spica Conjunction

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





# Saturn Shines Bright

## Opposition on April 28th

Date and Time

2013	/	4	/	28	:	0	:	0	:	0
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# Heads up for Eta Aquarids



Date and Time

2013	/	5	/	5	:	4	:	0	:	0
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# 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 3<sup>rd</sup> 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 3<sup>rd</sup> magnitude. The fourth star is 1<sup>st</sup> magnitude Spica.

- **Guardians of the Pole**

- The two stars at the end of the Little Dipper. These stars are 2<sup>nd</sup> magnitude Kochab and 3<sup>rd</sup> 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

Date and Time

2013	/	4	/	13	:	21	:	0	:	0
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# Gee Whiz Question of the Month

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





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# 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>



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