

Jupiter with Io @ JWF 2014-03-01 David Whalen



# “WHAT’S UP”

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



# This Month's Sky: April 2014

- **Our Solar System Tonight**
- **Target List**
- **Vesta/Ceres Close Together**
- **Total Lunar Eclipse**
- **Moon/Saturn Occultation**
- **Lyrid Meteor Shower**
- **Gee Whiz Question of the Month**
- **CE Observing Challenge**



# Our Solar System Tonight

	Rises	Sets
Sun	7:15 a.m.	7:58 p.m.
Moon	11:34 a.m.	12:58 a.m.
Mercury	6:38 a.m.	6:25 p.m.
Venus	4:31 a.m.	3:06 p.m.
*Mars	8:08 p.m.	7:47 a.m.
Jupiter	12:22 p.m.	2:42 a.m.
Saturn	10:41 p.m.	9:22 a.m.
Uranus	7:13 a.m.	7:40 p.m.
Neptune	5:38 a.m.	4:49 p.m.
Pluto	2:32 a.m.	12:44 p.m.

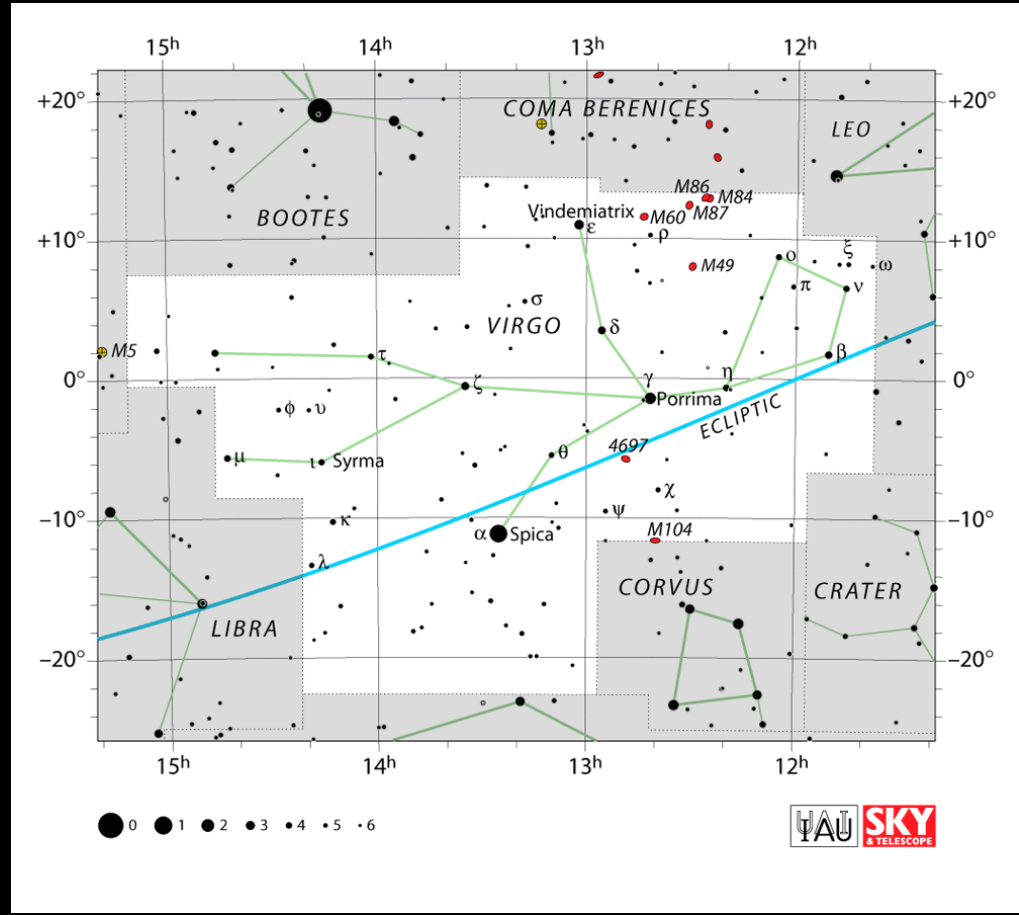
**\*Mars will be at opposition on the 8<sup>th</sup>. This means that it will be at its closest approach to Earth making it appear larger and brighter than the rest of the year.**



# Virgo Over Charlie Elliott

Virgo Deep Sky Objects  
Visible this month  
(Be sure to ask for a sky map!)

Object	Description	Magnitude
M104	Sombrero Galaxy	8.3
M48	Spiral Galaxy	8.4
M60	Spiral Galaxy	8.8
M87	Spiral Galaxy	8.6
M84	Spiral Galaxy	9.3
M86	Spiral Galaxy	9.2





# Vesta/Ceres Close Together

Date and Time

2014	/	4	/	6	21	:	11	:	39
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Virgo Mars Vesta Ceres Spica Corvus

E



# Total Lunar Eclipse

April 15<sup>th</sup>. Total eclipse visible from most of North America

Penumbral Eclipse Begins:  
12:53:37

Partial Eclipse Begins: 01:58:19

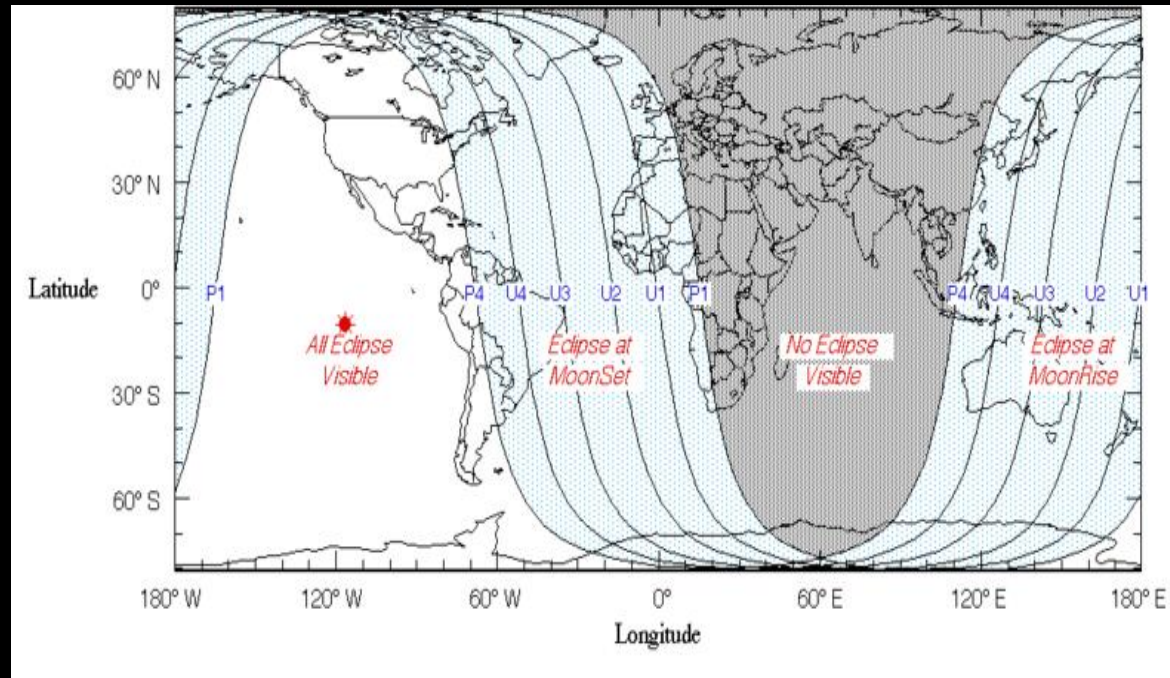
Total Eclipse Begins: 03:06:47

Greatest Eclipse: 03:45:40

Total Eclipse Ends: 04:24:35

Partial Eclipse Ends: 05:33:04

Penumbral Eclipse Ends:  
06:37:37











# The Lyrid Meteor Shower



Serpens		Date and Time	
2013	/ 4 / 22	2	: 0 : 0



# Gee Whiz Question(s) of the Month

Approximately how many Exoplanets have been discovered and confirmed under the Kepler Project?



# Gee Whiz Question(s) of the Month

**3845...and there's still tons of  
unanalyzed data!**



# CE Observing Challenge

## NGC 5897

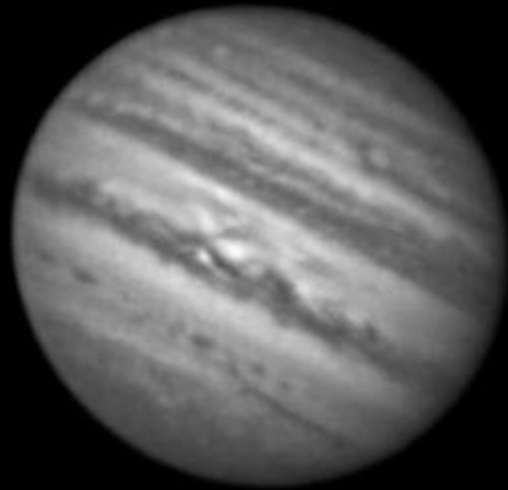
- Faint, loosely packed Globular Cluster
- Magnitude 8.52
- Right Ascension: 15h 04m 14.59s
- Declination: 24° 03' 39"

ENJOY!!



# Next Meeting

May 3rd, 6:00 p.m.



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# Useful Websites

- Stellarium for Windows
- SkySafari for Android
- Sky and Telescope:  
<http://www.skyandtelescope.com>
- Farmers Almanac:  
<http://www.almanac.com/astronomy>
- CEA Facebook page: <http://bit.ly/CEAAstronomy>
- Virtual Moon Atlas