





“WHAT’S UP”

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



This Month's Sky: August 2014

- **Our Solar System Tonight**
- **Target List**
- **Mars/Moon/Saturn Conjunction**
- **Perseid Meteor Shower!!!**
- **Venus/Jupiter Conjunction**
- **Mars/Saturn Conjunction**
- **Mars/Moon/Saturn Conjunction**
- **Gee Whiz of the Month**
- **CE Observing Challenge**



Our Solar System Tonight

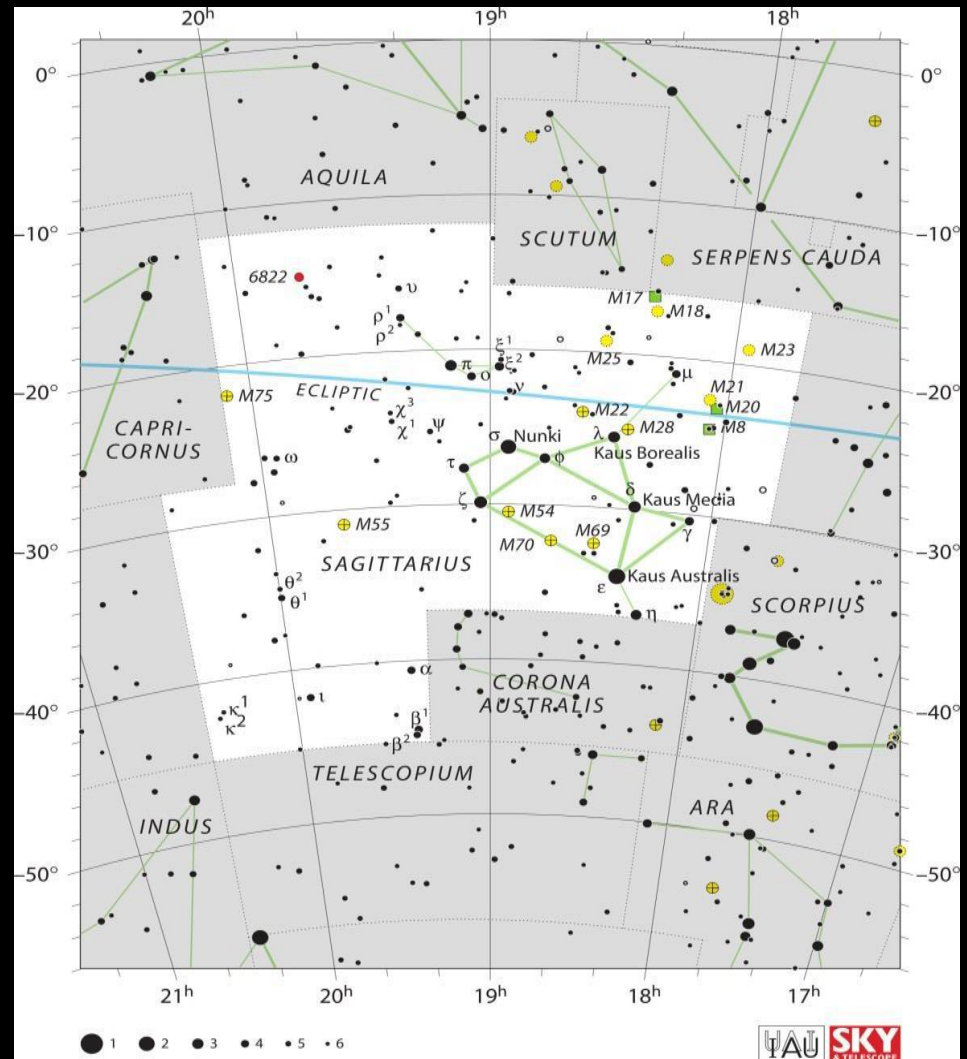
| | Rises | Sets |
|---------|------------|------------|
| Sun | 6:43 a.m. | 8:39 p.m. |
| Moon | 6:32 a.m. | 8:19 p.m. |
| Mercury | 5:35 a.m. | 7:50 p.m. |
| Venus | 4:52 a.m. | 7:08 p.m. |
| Mars | 1:40 p.m. | 12:40 a.m. |
| Jupiter | 6:38 a.m. | 8:34 p.m. |
| Saturn | 2:54 p.m. | 1:42 a.m. |
| Uranus | 12:03 a.m. | 12:38 p.m. |
| Neptune | 10:15 a.m. | 9:31 a.m. |



Sagittarius Over Charlie Elliott

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

| Object | Description | Magnitude |
|--------|-------------------|-----------|
| M17 | Omega/Swan Nebula | 6.0 |
| M25 | Open Cluster | 4.6 |
| M20 | Trifid Nebula | 6.3 |
| M8 | Lagoon Nebula | 5.8 |
| M54 | Globular Cluster | 7.7 |
| M70 | Globular Cluster | 8.1 |





Mars/Moon/Saturn Conjunction

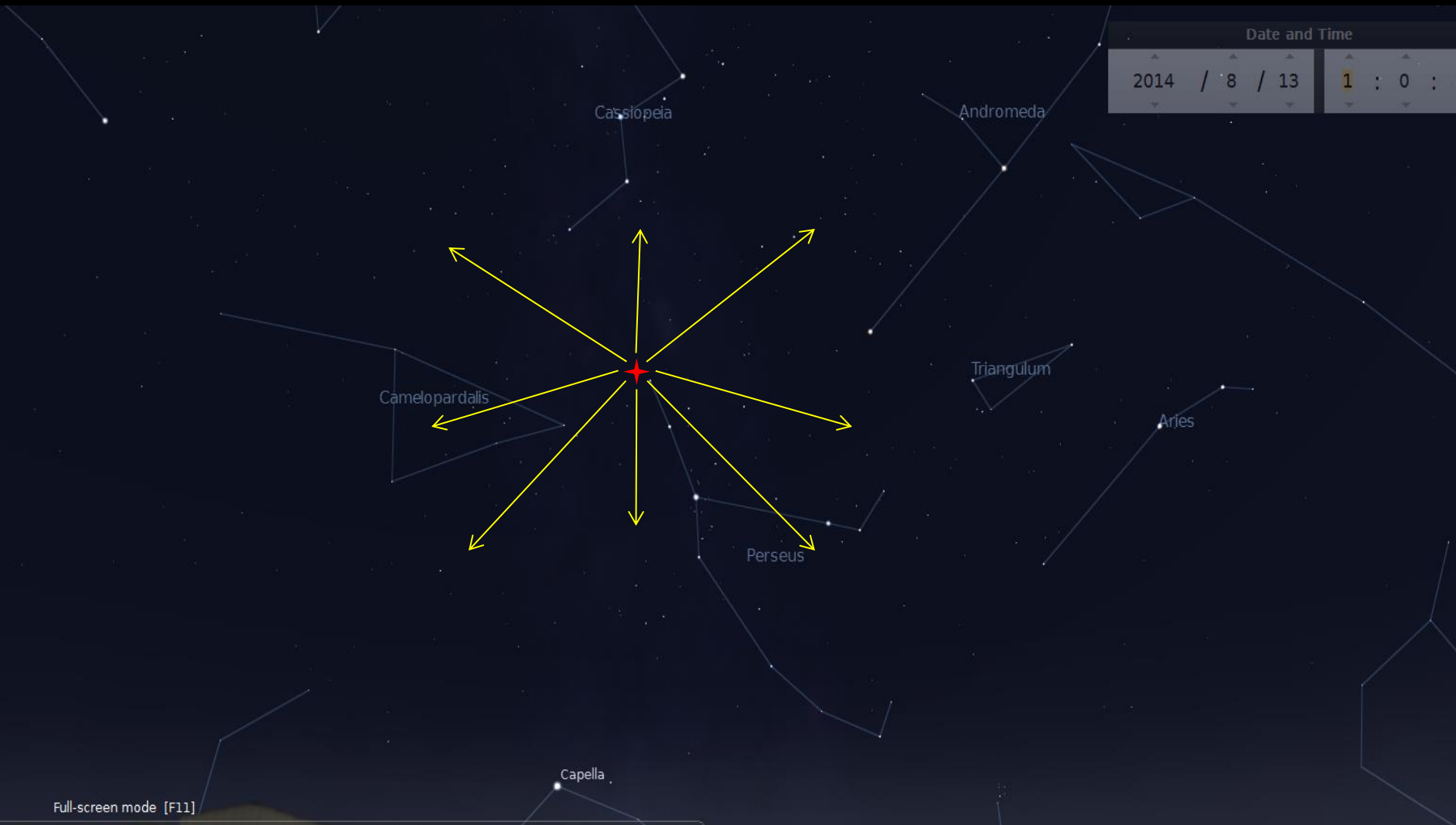
Date and Time

| | | | | | | | | | |
|------|---|---|---|---|----|---|---|---|---|
| 2014 | / | 8 | / | 3 | 21 | : | 0 | : | 0 |
|------|---|---|---|---|----|---|---|---|---|





Perseids Meteor Shower





Mars/Moon/Saturn Conjunction (.2°)



Date and Time X

| | | | | | | | | | | |
|------|---|---|---|----|---|---|---|---|---|---|
| 2014 | / | 8 | / | 18 | : | 6 | : | 0 | : | 0 |
|------|---|---|---|----|---|---|---|---|---|---|



Mars/Saturn Conjunction



Date and Time X

2014 / 8 / 25 21 : 0 : 0

Antares

Saturn

Mars

Spica

S



Mars/Moon/Saturn Conjunction

Date and Time

2014 / 8 / 31 21 : 0 : 0





Gee Whiz Question(s) of the Month

On this day in history (1973), the USSR launched what spacecraft with a mission to enter Mars Orbit?



Gee Whiz Question(s) of the Month

Mars 5. Mars 4 was launched 4 days earlier; however, it overshot its target and ended up in Solar orbit.



CE Observing Challenge

NGC6822 (Barnard's Galaxy)

- Galaxy with very low surface brightness
- Magnitude 11
- Right Ascension: 19h 44m 9s
- Declination: -14° 48'

ENJOY!!



Next Meeting

August 23rd



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



Solargraph from March 21, 2014 through June 22, 2014
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