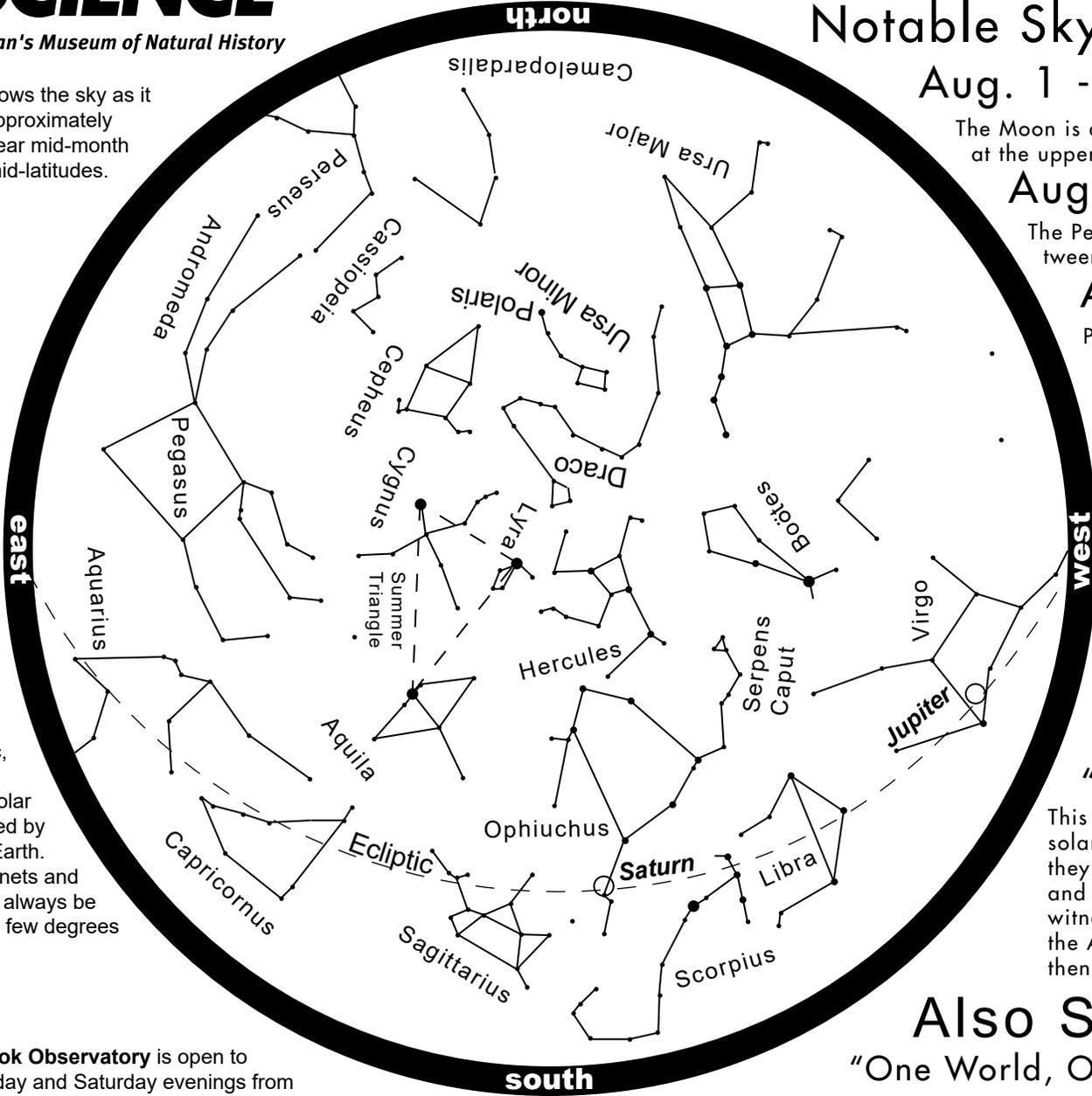


AUGUST 2017

Notable Sky Happenings



This chart shows the sky as it appears at approximately 10pm EDT near mid-month at northern mid-latitudes.



What is that dashed line? It's the ecliptic, the reference plane of the solar system, defined by the Sun and Earth. The major planets and the Moon can always be found within a few degrees of this plane.

The Cranbrook Observatory is open to the public Friday and Saturday evenings from 8:30 - 10:00pm EDT, and the first Sunday of the month from 1:00 - 4:00pm for solar viewing. Come have a look through our 6" telescope! For observatory information visit <http://science.cranbrook.edu/explore/observatory>

Aug. 1 - 7

The Moon is above Antares in the S the evening of the 1st and at the upper right of Saturn in the SSE the evening of the 2nd.

Aug. 8 - 14

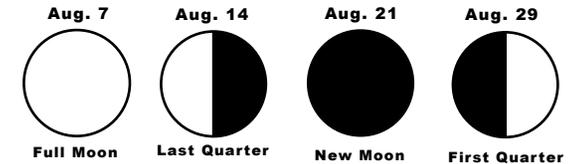
The Perseid meteor shower peaks on the 12th & 13th between midnight and dawn. Expect 50-60 per hour.

Aug. 15 - 21

Partial solar eclipse on the 21st begins at 1:03pm EDT (Detroit area). Maximum (80%) is at 2:27pm. Eclipse ends at 3:47pm. **NEVER look directly at the Sun without PROPER eye protection!!**

Aug. 22 - 31

The Moon is to the upper left of Jupiter, Spica is below on the 25th (SSW evening twilight.) Moon is to the upper left of Saturn on the 30th.



Now Showing "Totality"

This program is all about eclipses – from lunar to total solar. Discover how they occur and what happens when they do. Look back to the proof of general relativity and look forward to upcoming eclipses and where to witness them. After Totality concludes, experience what the Aug. 21 partial eclipse will look like from our area then travel to 2024 to observe our next solar eclipse!

Also Showing "One World, One Sky: Big Bird's Adventure"

When Elmo's friend, Hu Hu Zhu, visits from China. Big Bird, Elmo and Hu Hu Zhu take viewers on an exciting discovery of the Sun, Moon, and stars. They learn about the Big Dipper and the North Star and take an imaginary trip to the Moon where they learn that the Moon is a very different place.

For astronomy information visit <http://science.cranbrook.edu>