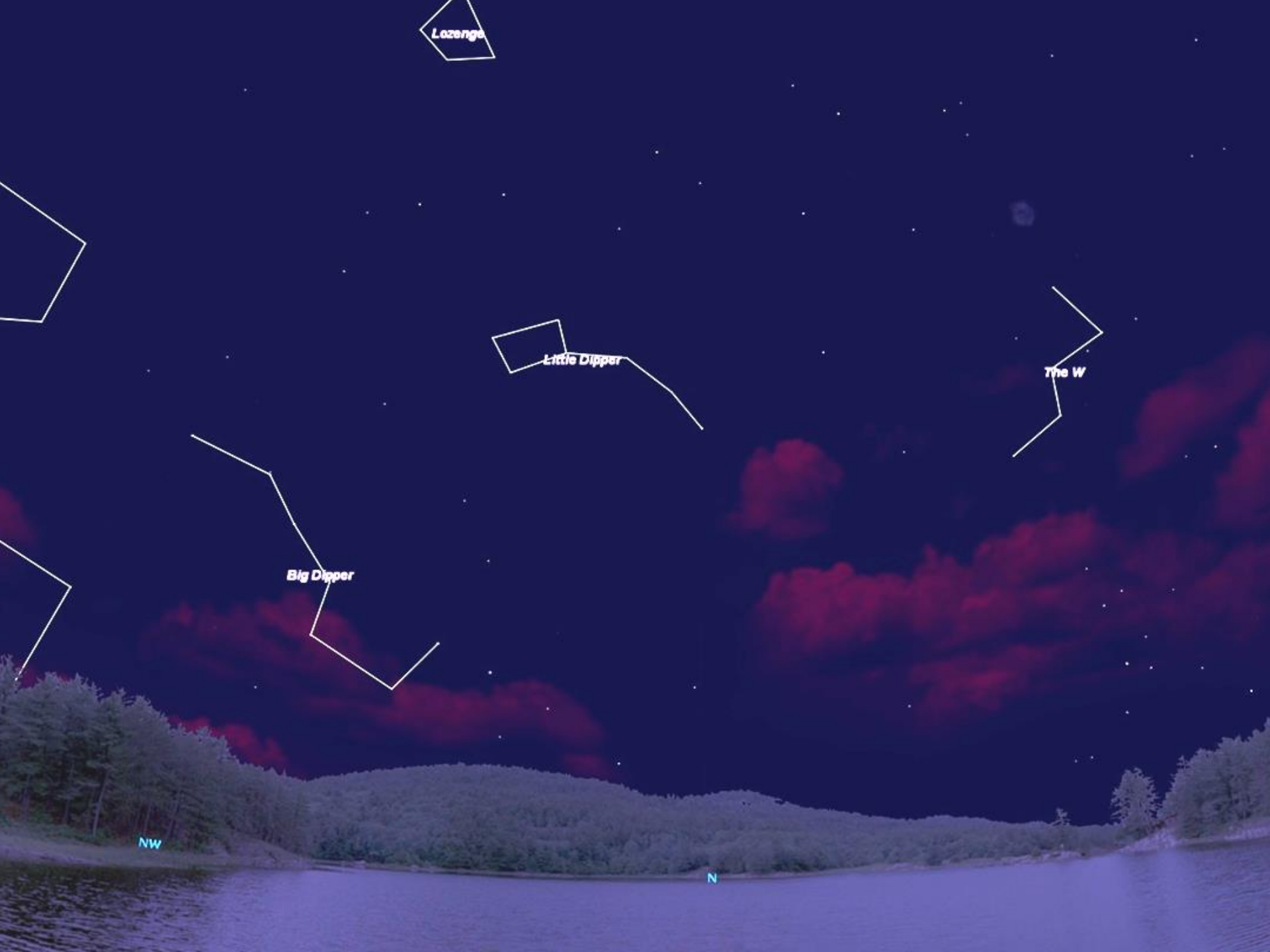
THE NIGHT SKY


NW
N
NE

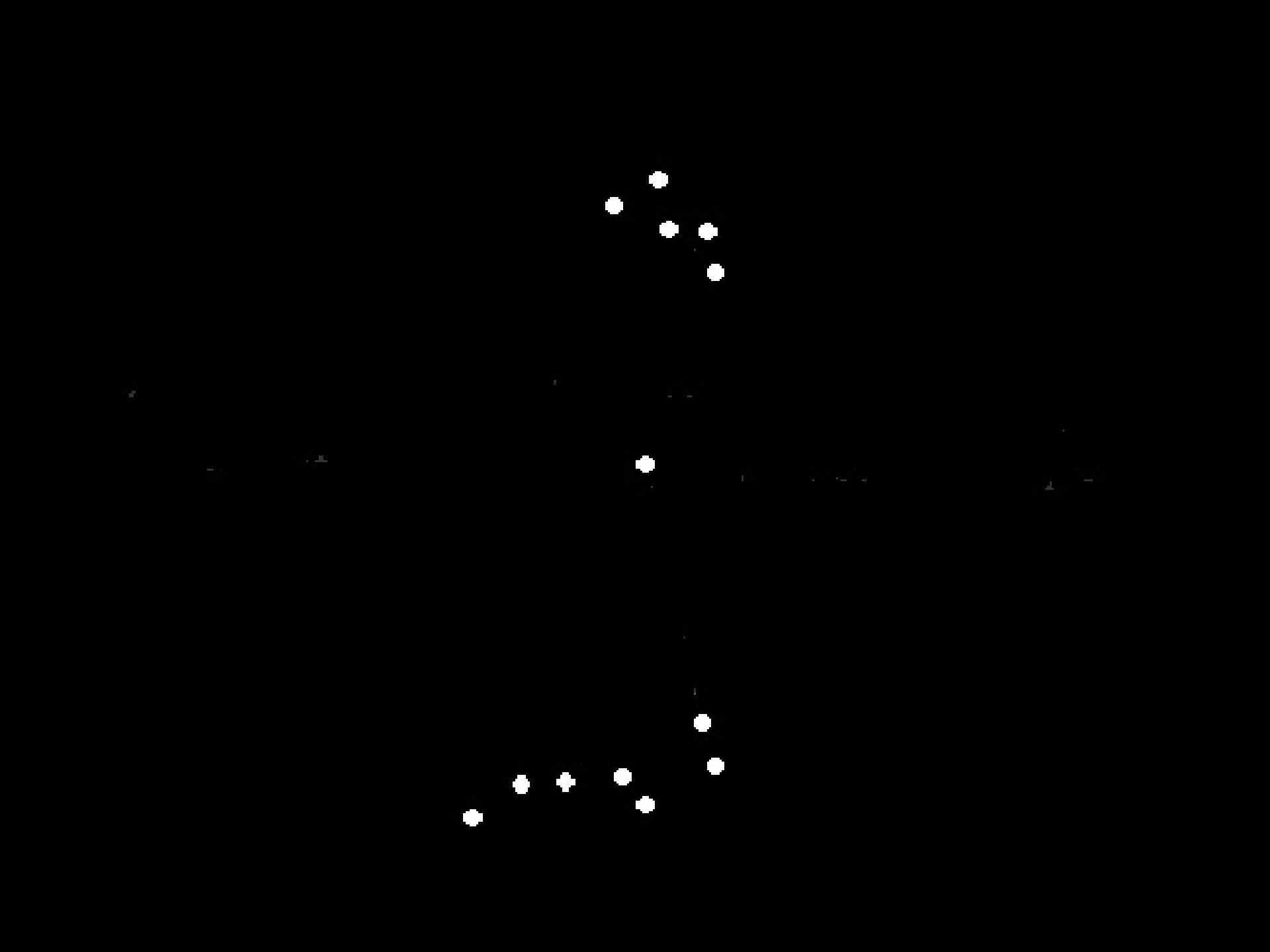

Cygnus
Lacerta
Corona Borealis
Draco
Cepheus
Ursa Minor
Cassiopeia
Andromeda
Canes Venatici
Triangulum
Camelopardalis
Ursa Major
Perseus
NW
N
NE

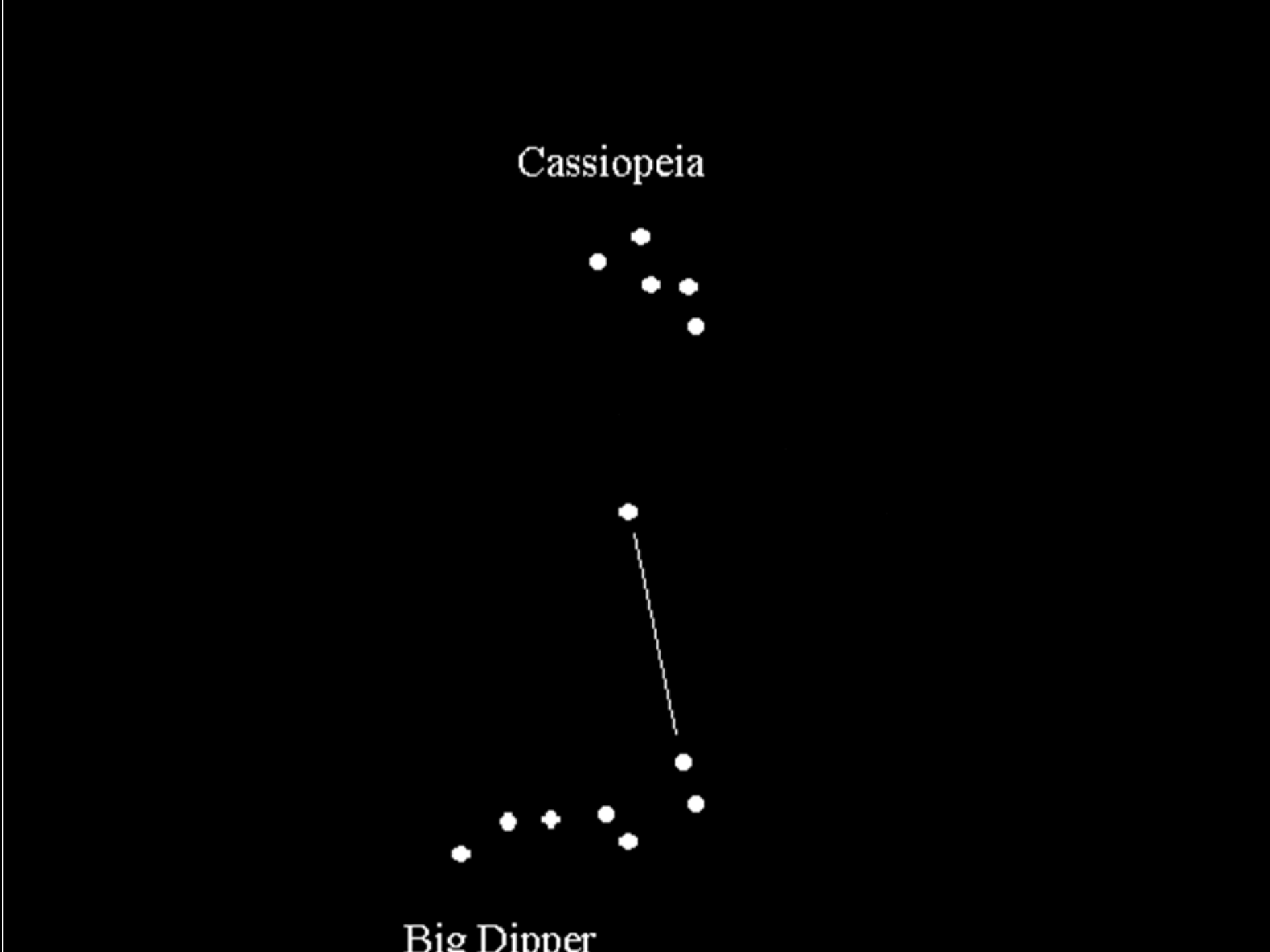

Lacerta
Draco
Cepheus
Ursa Minor
Andromeda
Cassiopeia
Triangulum
Camelopardalis
Ursa Major
Perseus
NE
N


Lozenge
Little Dipper
The W
Big Dipper
NW
N

Finding the North Star

- The North Star is not an especially bright star
- There are not a lot of stars near it that are bright enough to confuse the observer.
- Asterisms that are easily found serve as pointers.




Cassiopeia
Big Dipper


NW
N
NE

Finding Your Way Around the Night Sky

- Star Chart
- Planisphere
- Planetarium programs and apps
- Smart Telescope

The Evening Sky Map

FREE* EACH MONTH FOR YOU TO EXPLORE, LEARN & ENJOY THE NIGHT SKY

WWW.SKYMAPS.COM

NORTHERN HEMISPHERE
APRIL 2019

Sky Calendar – April 2019

Get Sky Calendar on Twitter
http://twitter.com/skymaps

1 **Moon at apogee** (farthest from Earth) at 0h UT (distance 405,577 km; angular size 29.5').

2 **Moon near Venus** (morning sky) at 7h UT. Mag. –4.0.

3 **Moon near Mercury** (26° from Sun, morning sky) at 2h UT. Mag. 0.8.

5 **New Moon** at 8:51 UT. Start of lunation 1191.

8 **Moon near the Pleiades** (evening sky) at 23h UT.

9 **Moon near Mars** (evening sky) at 10h UT. Mag. 1.5.

9 **Moon near Aldebaran** (evening sky) at 16h UT.

11 **Mercury at greatest elongation west** (28° from Sun, morning sky) at 20h UT. Mag. 0.4.

12 **First Quarter Moon** at 19:05 UT.

12 **Moon near Pollux** (evening sky) at 22h UT.

13 **Moon near Beehive cluster M44** (evening sky) at 21h UT.

15 **Mars 6.5° N of Aldebaran** (45° from Sun, evening sky) at 1h UT. Mags. 1.6 and 0.9.

15 **Moon near Regulus** (evening sky) at 10h UT.

16 **Mercury 4.3° E of Venus** (30° from Sun, morning sky) at 20h UT. Mags. 0.2 and –3.9.

16 **Moon at perigee** (closest to Earth) at 22:03 UT (364,205 km; angular size 32.8').

19 **Moon near Spica** (morning sky) at 3h UT.

19 **Full Moon** at 11:11 UT.

22 **Moon near Antares** (morning sky) at 11h UT.

23 **Lyrid meteor shower** peaks at 0h UT. Active April 14-30. Radiant is between Hercules and Lyra. Expect 10 to 20 bright, fast meteors per hour at its peak. Unfortunately, bright moonlight this year means poor viewing conditions.

23 **Moon near Jupiter** (morning sky) at 13h UT. Mag. –2.4.

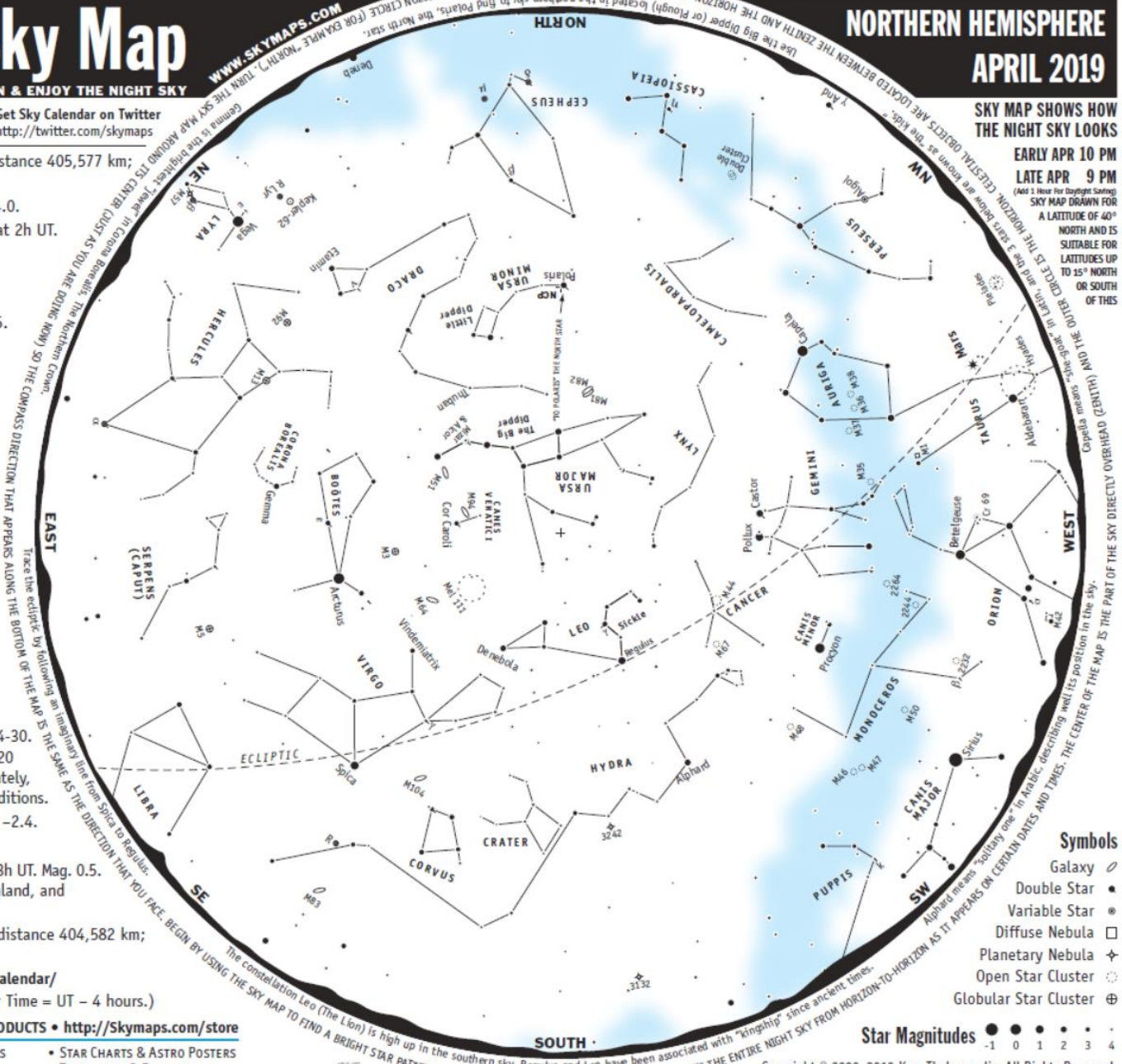
26 **Last Quarter Moon** at 22:18 UT.

25 **Moon near Saturn** (105° from Sun, morning sky) at 13h UT. Mag. 0.5. Occultation visible from eastern Australia, New Zealand, and western South America.

28 **Moon at apogee** (farthest from Earth) at 18h UT (distance 404,582 km; angular size 29.5').

More sky events and links at http://Skymaps.com/skycalendar/

All times in Universal Time (UT). (USA Eastern Summer Time = UT – 4 hours.)



INSTRUCTIONS: THE SKY MAP SHOWS THE ENTIRE NIGHT SKY FROM HORIZON-TO-HORIZON AS IT APPEARS ON CERTAIN DATES AND TIMES.


30°- 40°
NORTH LATITUDE
Read with a red-filtered flashlight at night.
WEST
EAST
NORTH
Horizon
Horizon
The Night Sky™
The Original 2-Sided Planisphere
• High Precision • Low Distortion
• Easy to Read at Night
Midnight
12
P.M.
A.M.
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER


Google Sky Map
MOTOROLA
Saturn
12h
Venus
Virgo
verizon
You found:
Jupiter
SAMSUNG
OK


Advanced GT
NexStar
ALIGN
ENTER
UNDO
M 1
CALD 2
MENU 3
NGC 4
PLANET 5
UP 6
STAR 7
LIST 8
DOWN 9
INFO
TOUR 0
RATE
CELESTRON®

Why Doesn’t it look like the pictures?

- No Color
- Faint
- A little fuzzy

Human Eye

- Loses color perception in dim light.
- Takes time to adapt to low light conditions.
  - It takes 5 to 15 minutes for initial dark adaption (night vision)
  - Night vision is lost instantly if exposed to bright white light.
  - Most people never use their night vision.

Averted vision helps the eye see faint objects.

Light Pollution

STAR PARTY

Guidelines

- **Crestview Star Party Guidelines**
  - Please avoid touching the telescopes and NEVER touch a glass part of a telescope.
  - Let your eyes adapt to the dark. Do not bring white lights including flashlights. If you feel you must have a flashlight, cover it with a red covering.
  - Please park in the street and walk into the park so that your automobile lights don't harm the night vision of the other participants.
  - Star Gazing is a calm, quiet activity. Avoid running or shouting.
- **While at the star party**
  - Ask before looking through the telescope
  - Please ask questions about the objects you are viewing; the equipment being used or anything else about astronomy.
  - Take a good look and give your eye time to adjust and appreciate the view.
  - **Timing:**
- Astronomers start setup about Sunset.
- It will be dark enough to see bright objects about 1 hour after sunset.
- It does not get fully dark until about 1 ½ hours after sunset.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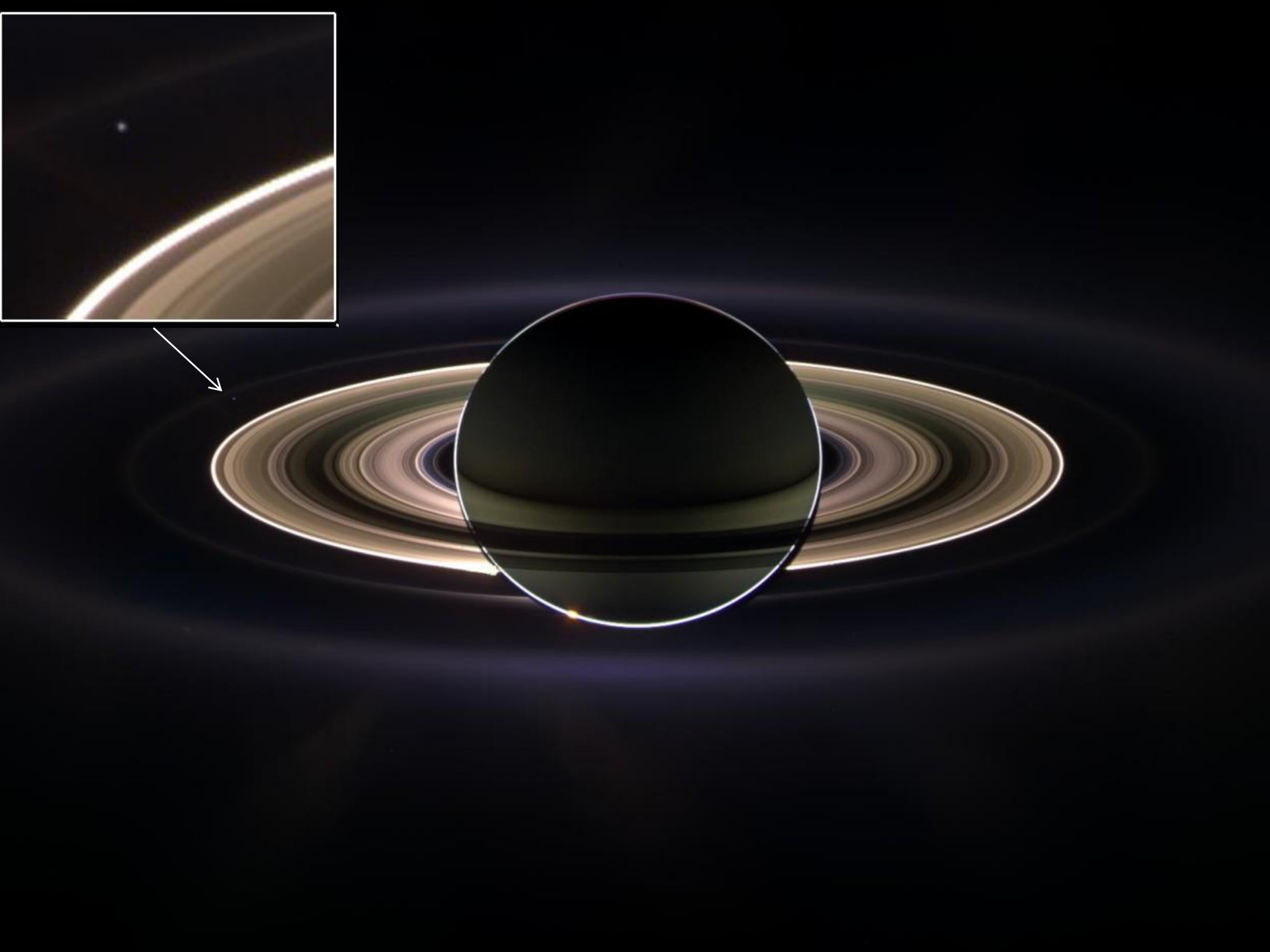
ORION


CELESTRON




Questions?