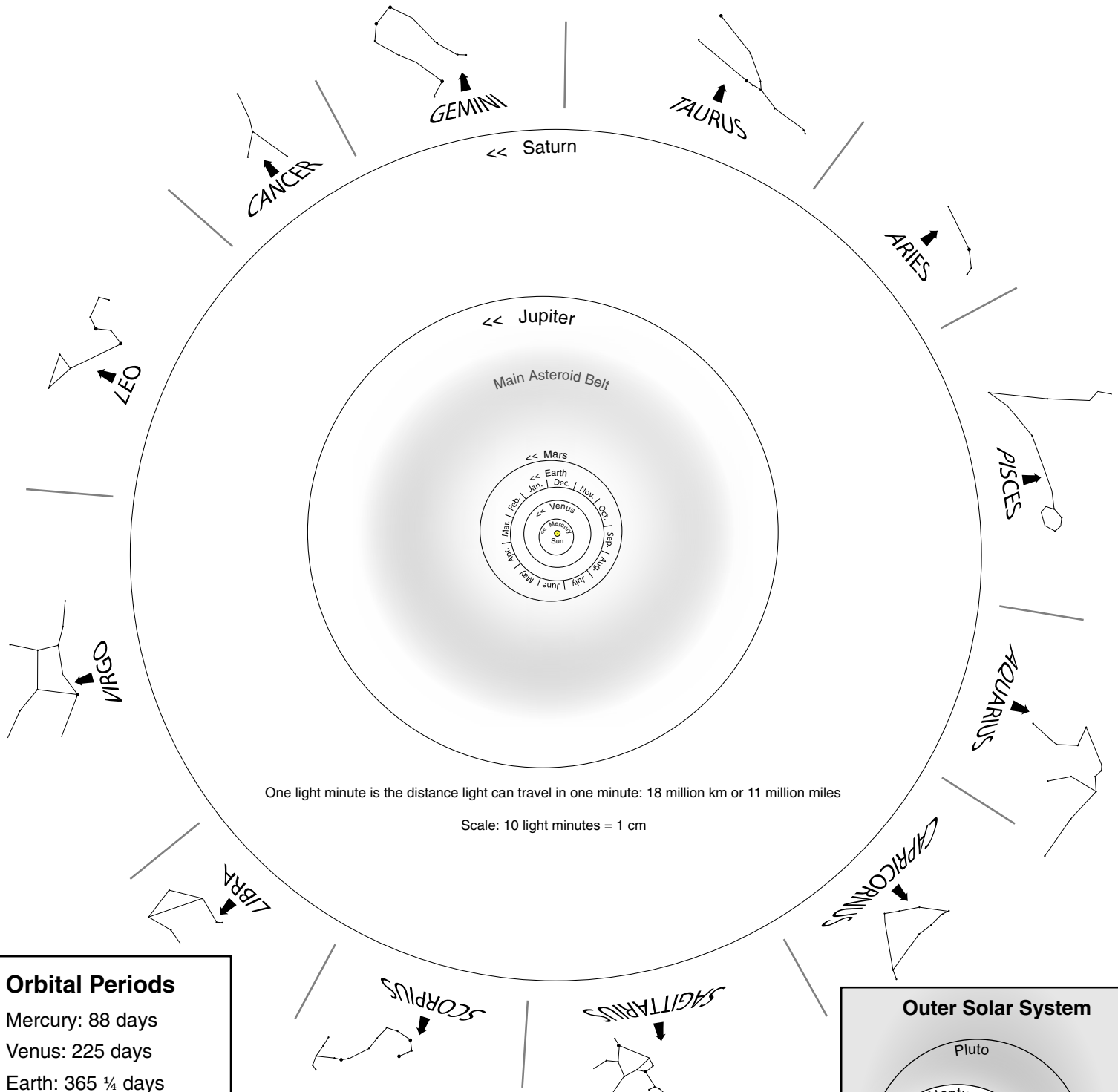




Exploring the Solar System



One light minute is the distance light can travel in one minute: 18 million km or 11 million miles

Scale: 10 light minutes = 1 cm

Orbital Periods

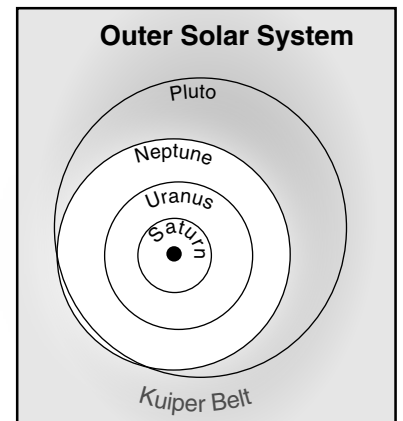
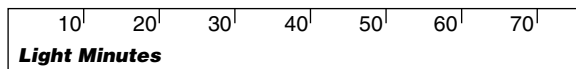
- Mercury: 88 days
- Venus: 225 days
- Earth: 365 ¼ days
- Mars: 687 days
- Jupiter: 11.9 years
- Saturn: 29.5 years
- Uranus: 84.0 years
- Neptune: 164.8 years
- Pluto: 247.7 years

What missions are exploring the Solar System?

<http://solarsystem.nasa.gov>

Where are the planets today?

<http://www.fourmilab.ch/solar/> or <http://www.heavens-above.com>



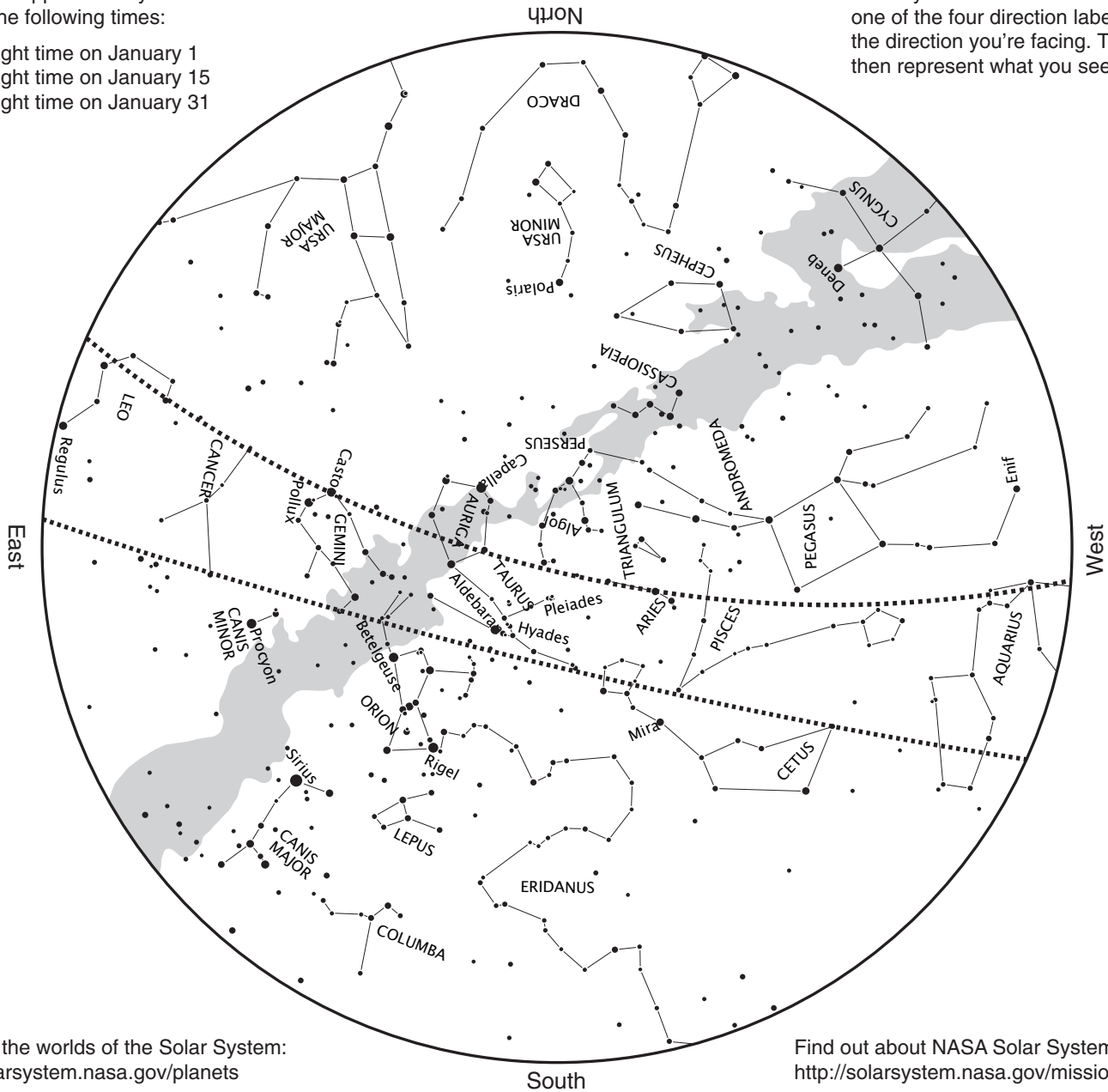


Where are the Planets? January

The all-sky map represents the night sky as seen from approximately 35° north latitude at the following times:

- 9 p.m. daylight time on January 1
- 8 p.m. daylight time on January 15
- 7 p.m. daylight time on January 31

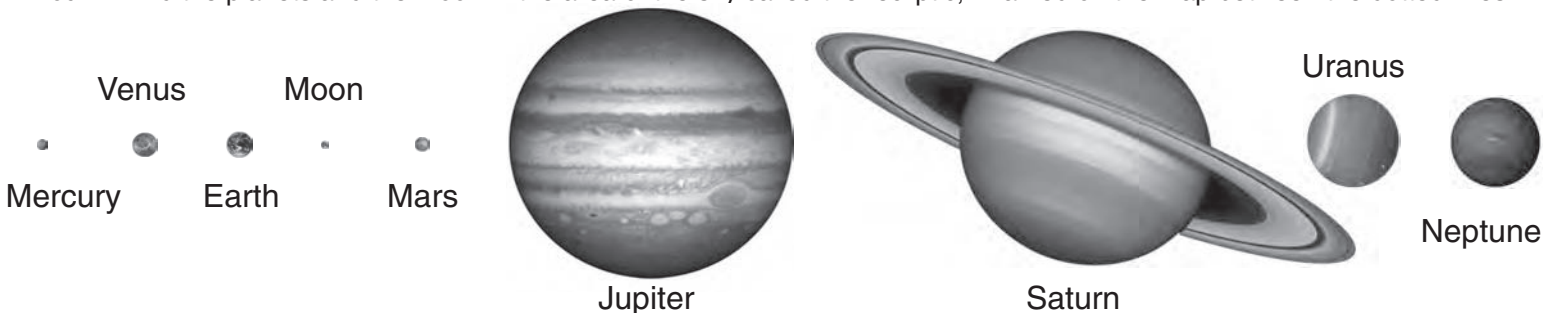
To locate stars in the sky, hold the map above your head and orient it so that one of the four direction labels matches the direction you're facing. The map will then represent what you see in the sky.



Discover the worlds of the Solar System:
<http://solarsystem.nasa.gov/planets>

Find out about NASA Solar System missions:
<http://solarsystem.nasa.gov/missions>

You will find the planets and the Moon in the area of the sky called the "ecliptic," marked on the map between the dotted lines.



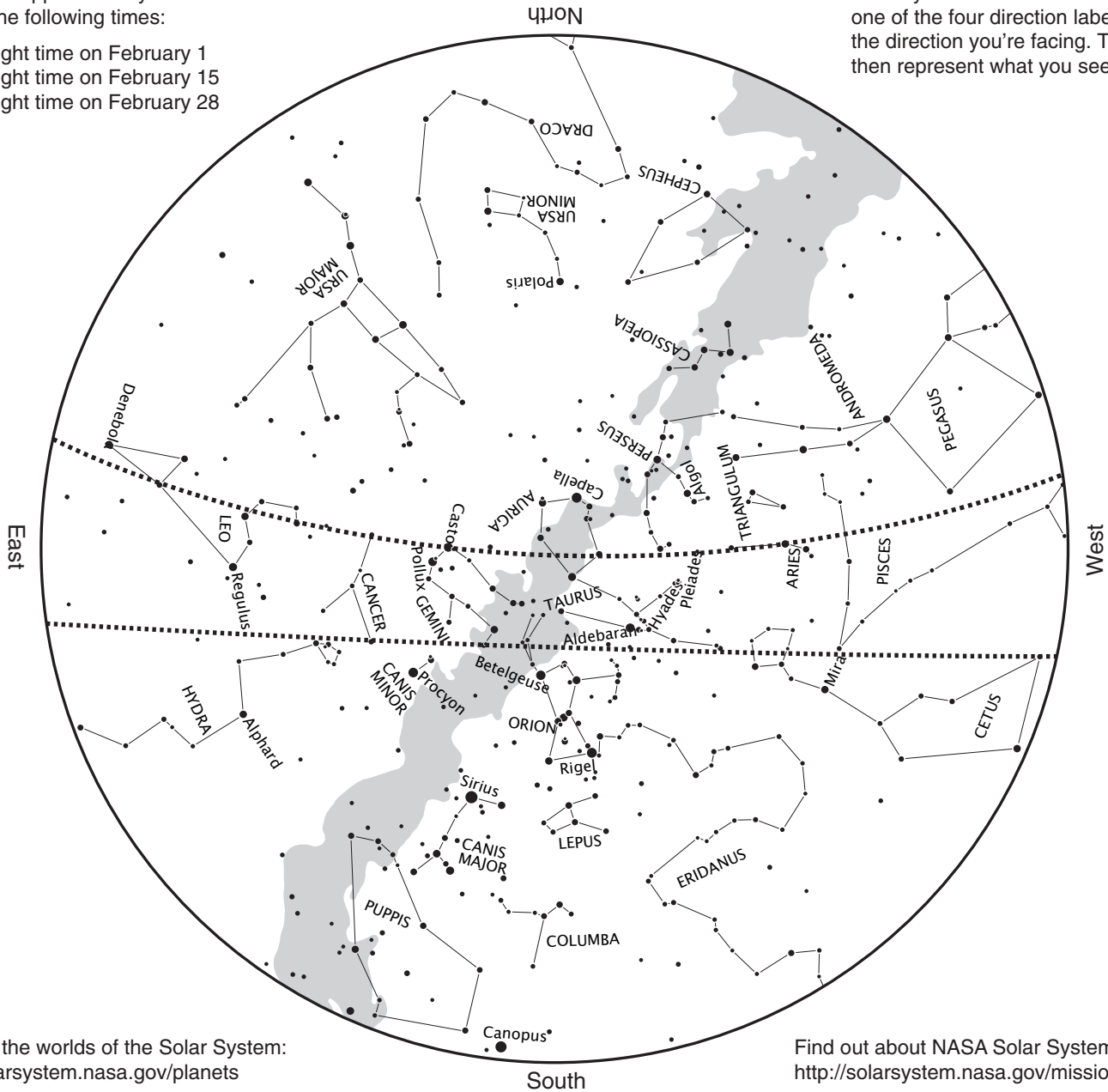


Where are the Planets? February

The all-sky map represents the night sky as seen from approximately 35° north latitude at the following times:

- 9 p.m. daylight time on February 1
- 8 p.m. daylight time on February 15
- 7 p.m. daylight time on February 28

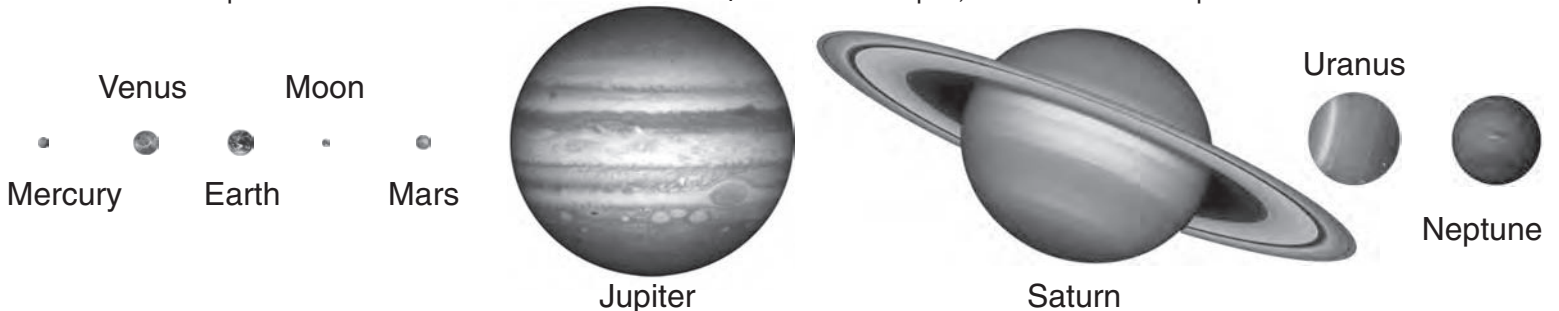
To locate stars in the sky, hold the map above your head and orient it so that one of the four direction labels matches the direction you're facing. The map will then represent what you see in the sky.



Discover the worlds of the Solar System:
<http://solarsystem.nasa.gov/planets>

Find out about NASA Solar System missions:
<http://solarsystem.nasa.gov/missions>

You will find the planets and the Moon in the area of the sky called the "ecliptic," marked on the map between the dotted lines.



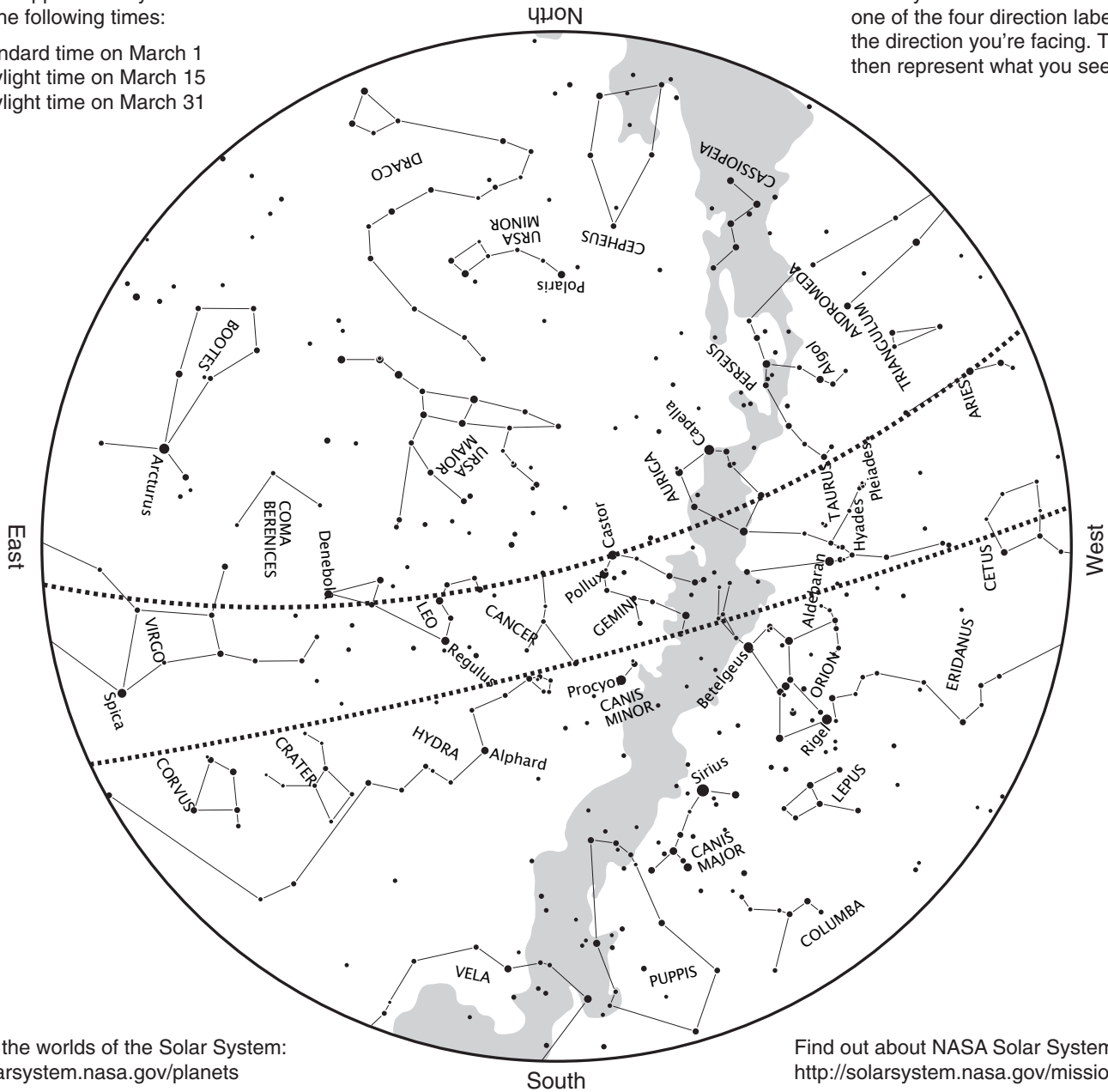


Where are the Planets? March

The all-sky map represents the night sky as seen from approximately 35° north latitude at the following times:

- 10 p.m. standard time on March 1
- 10 p.m. daylight time on March 15
- 9 p.m. daylight time on March 31

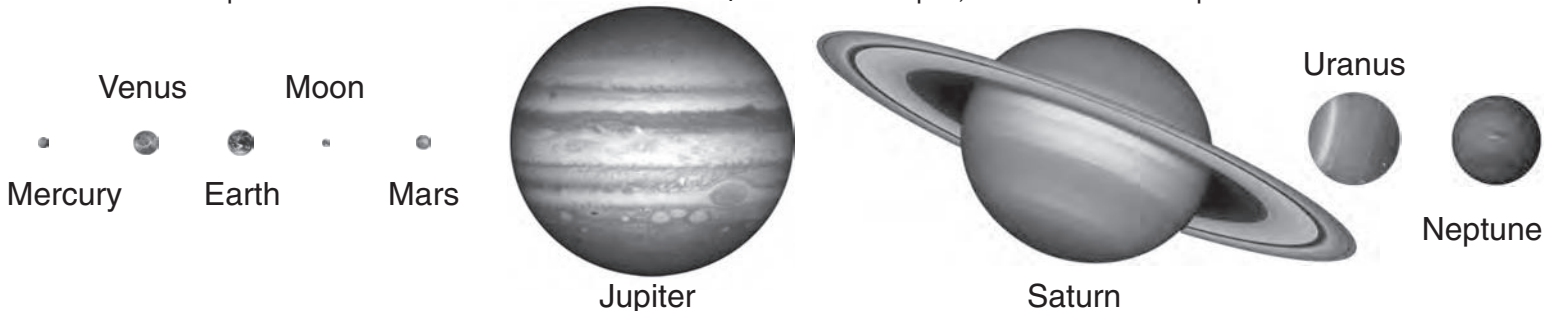
To locate stars in the sky, hold the map above your head and orient it so that one of the four direction labels matches the direction you're facing. The map will then represent what you see in the sky.



Discover the worlds of the Solar System:
<http://solarsystem.nasa.gov/planets>

Find out about NASA Solar System missions:
<http://solarsystem.nasa.gov/missions>

You will find the planets and the Moon in the area of the sky called the "ecliptic," marked on the map between the dotted lines.



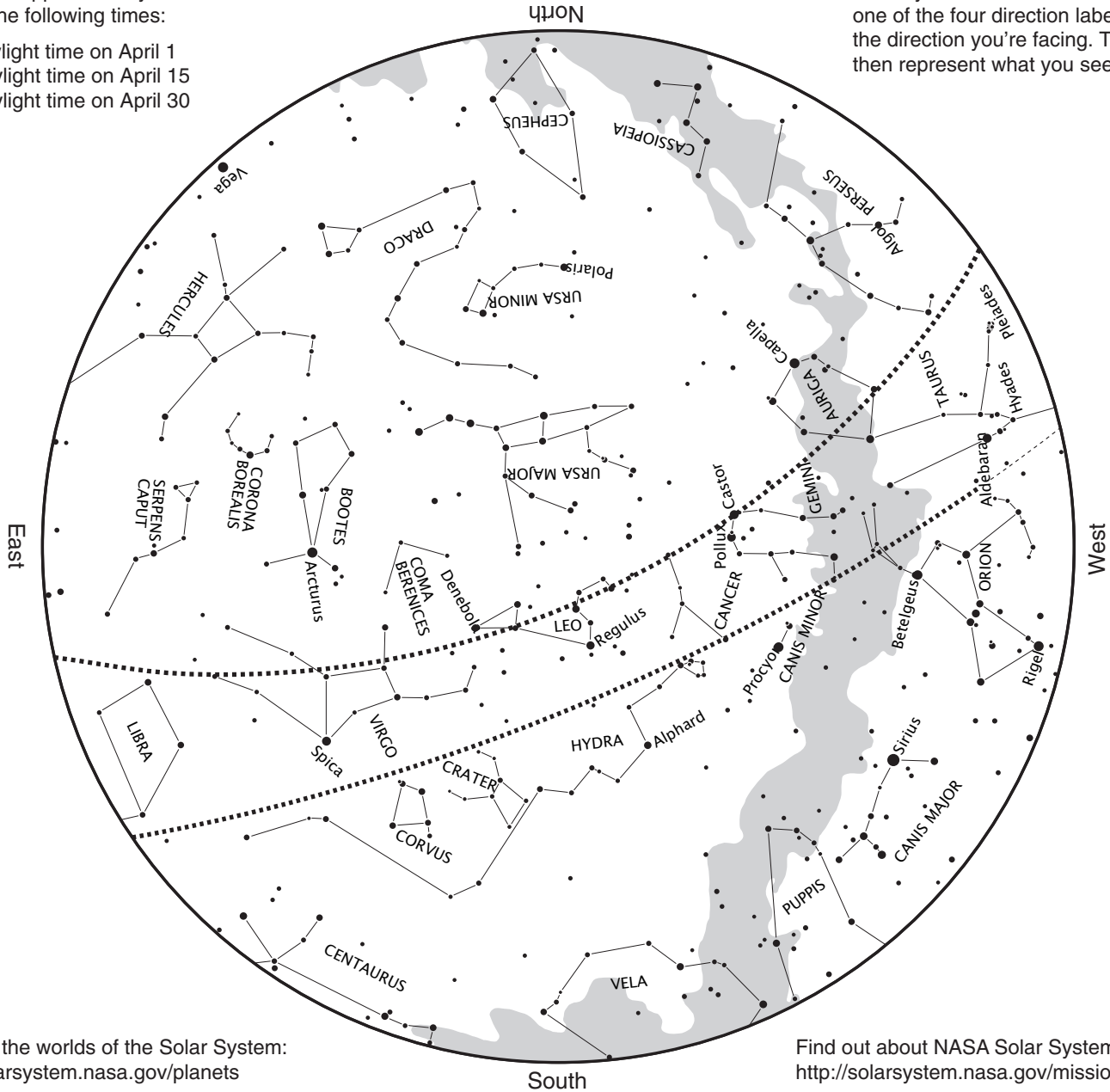


Where are the Planets? April

The all-sky map represents the night sky as seen from approximately 35° north latitude at the following times:

- 11 p.m. daylight time on April 1
- 10 p.m. daylight time on April 15
- 9 p.m. daylight time on April 30

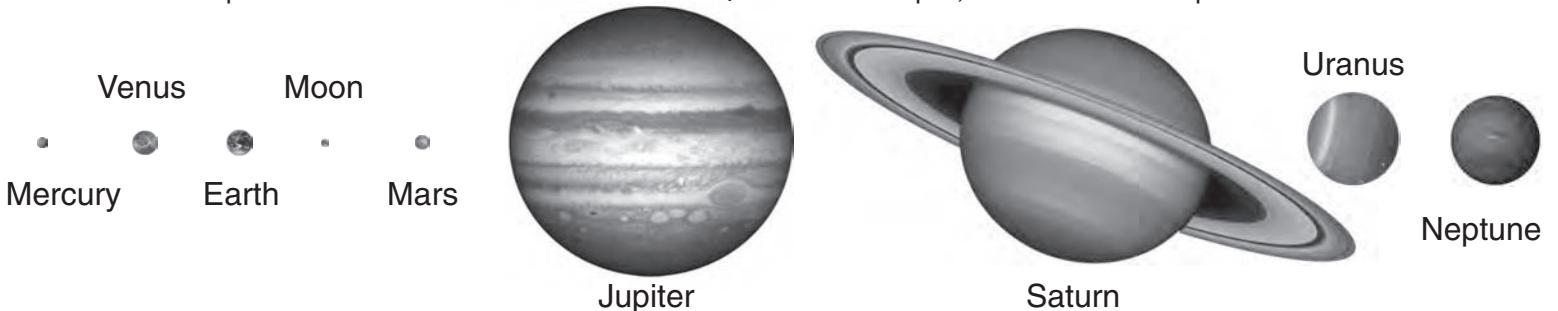
To locate stars in the sky, hold the map above your head and orient it so that one of the four direction labels matches the direction you're facing. The map will then represent what you see in the sky.



Discover the worlds of the Solar System:
<http://solarsystem.nasa.gov/planets>

Find out about NASA Solar System missions:
<http://solarsystem.nasa.gov/missions>

You will find the planets and the Moon in the area of the sky called the "ecliptic," marked on the map between the dotted lines.





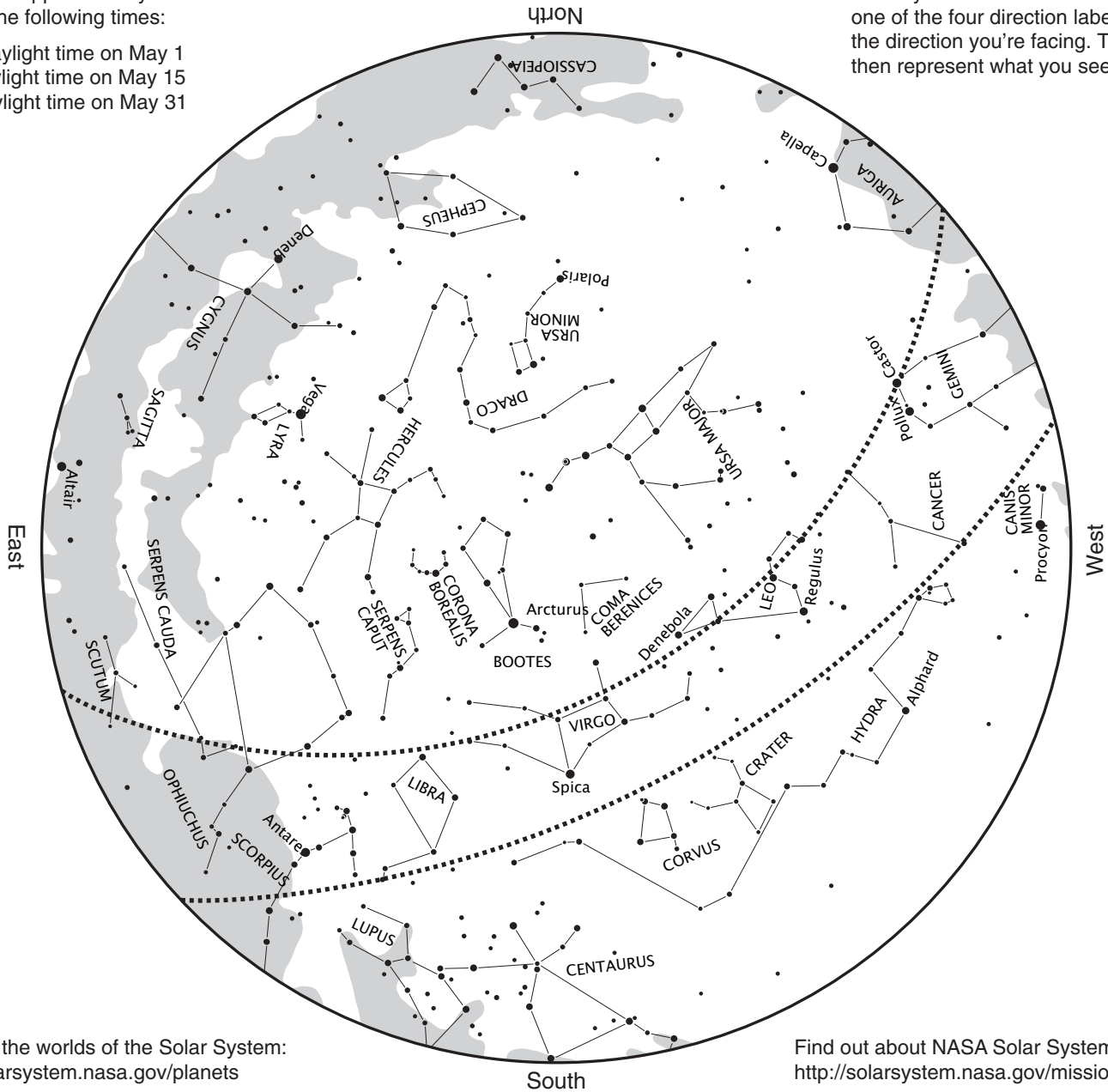
Where are the Planets?

May

The all-sky map represents the night sky as seen from approximately 35° north latitude at the following times:

- Midnight daylight time on May 1
- 11 p.m. daylight time on May 15
- 10 p.m. daylight time on May 31

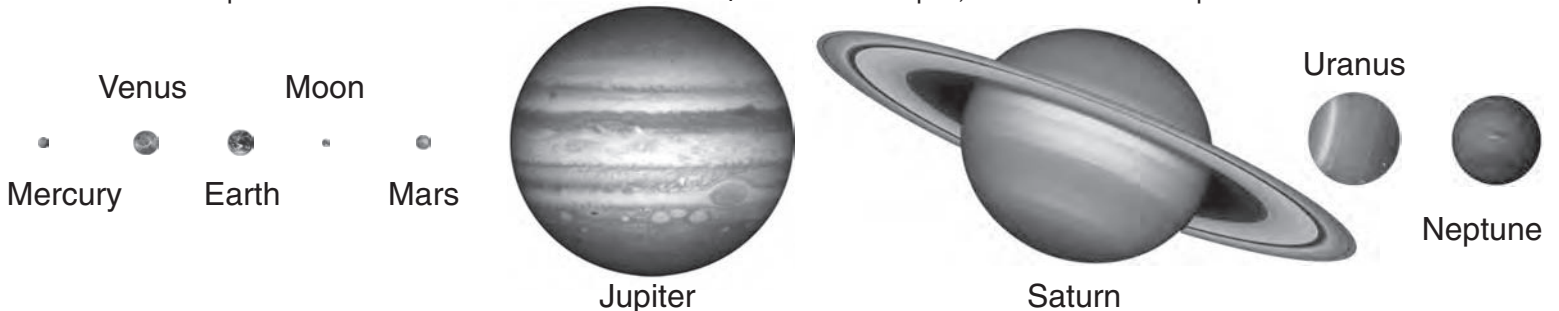
To locate stars in the sky, hold the map above your head and orient it so that one of the four direction labels matches the direction you're facing. The map will then represent what you see in the sky.



Discover the worlds of the Solar System:
<http://solarsystem.nasa.gov/planets>

Find out about NASA Solar System missions:
<http://solarsystem.nasa.gov/missions>

You will find the planets and the Moon in the area of the sky called the "ecliptic," marked on the map between the dotted lines.



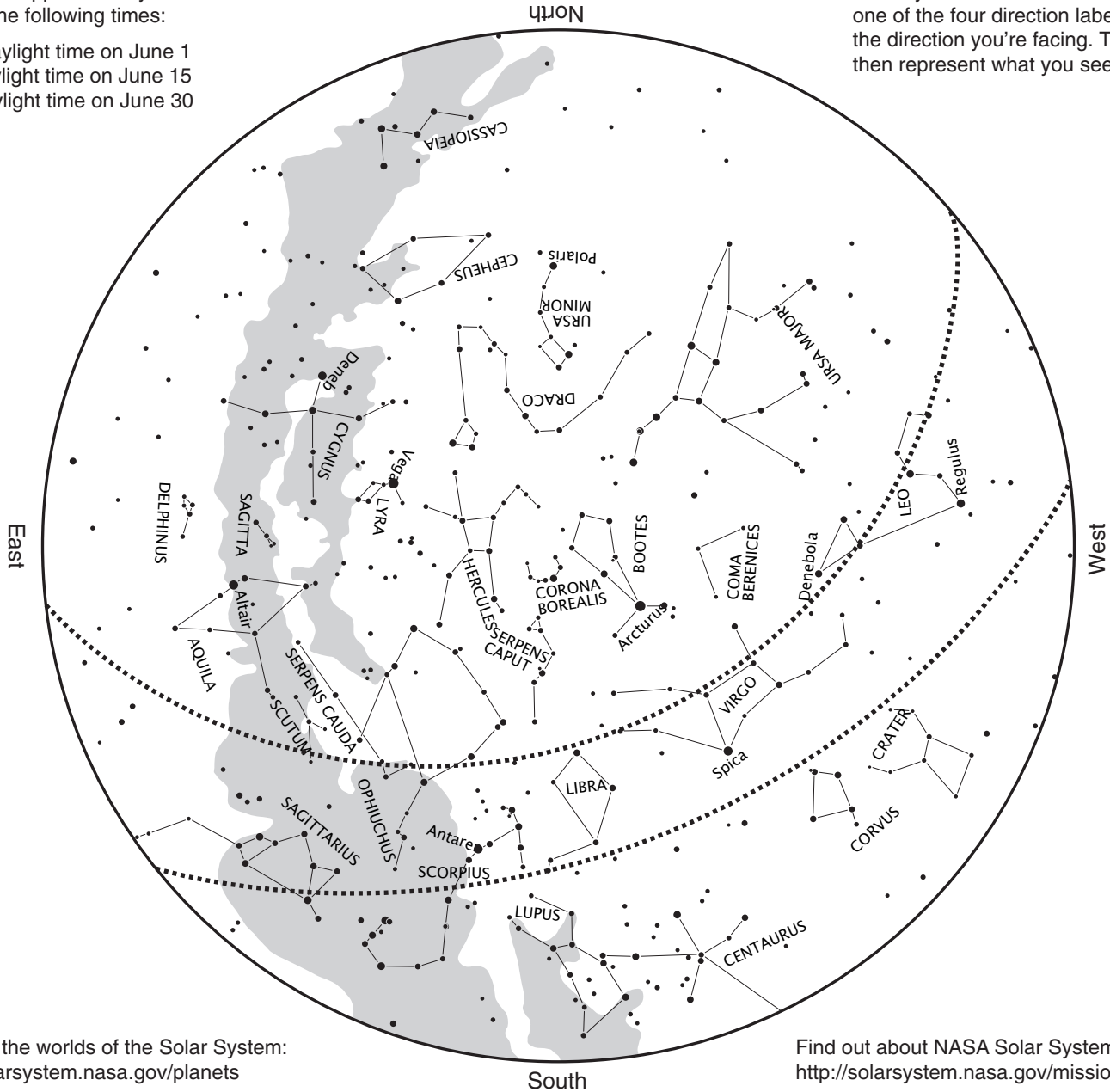


Where are the Planets? June

The all-sky map represents the night sky as seen from approximately 35° north latitude at the following times:

- Midnight daylight time on June 1
- 11 p.m. daylight time on June 15
- 10 p.m. daylight time on June 30

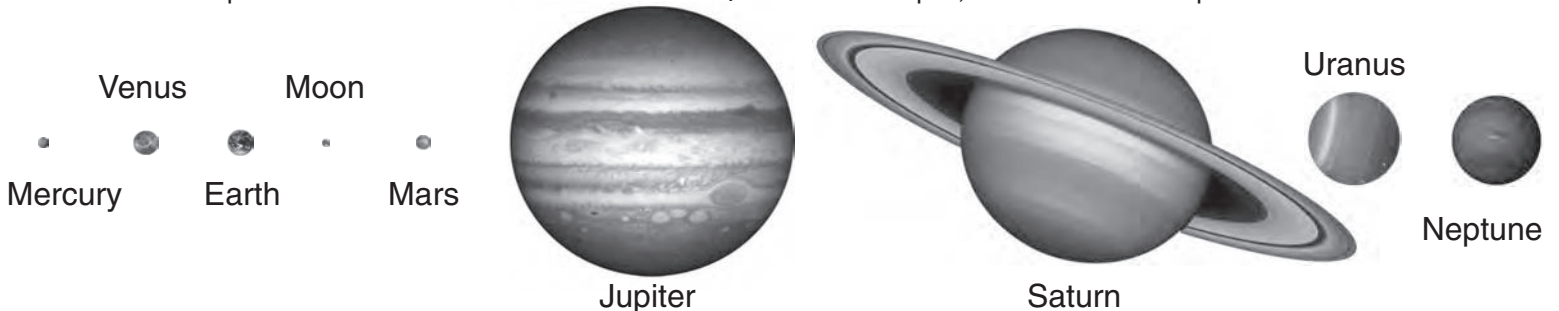
To locate stars in the sky, hold the map above your head and orient it so that one of the four direction labels matches the direction you're facing. The map will then represent what you see in the sky.



Discover the worlds of the Solar System:
<http://solarsystem.nasa.gov/planets>

Find out about NASA Solar System missions:
<http://solarsystem.nasa.gov/missions>

You will find the planets and the Moon in the area of the sky called the "ecliptic," marked on the map between the dotted lines.





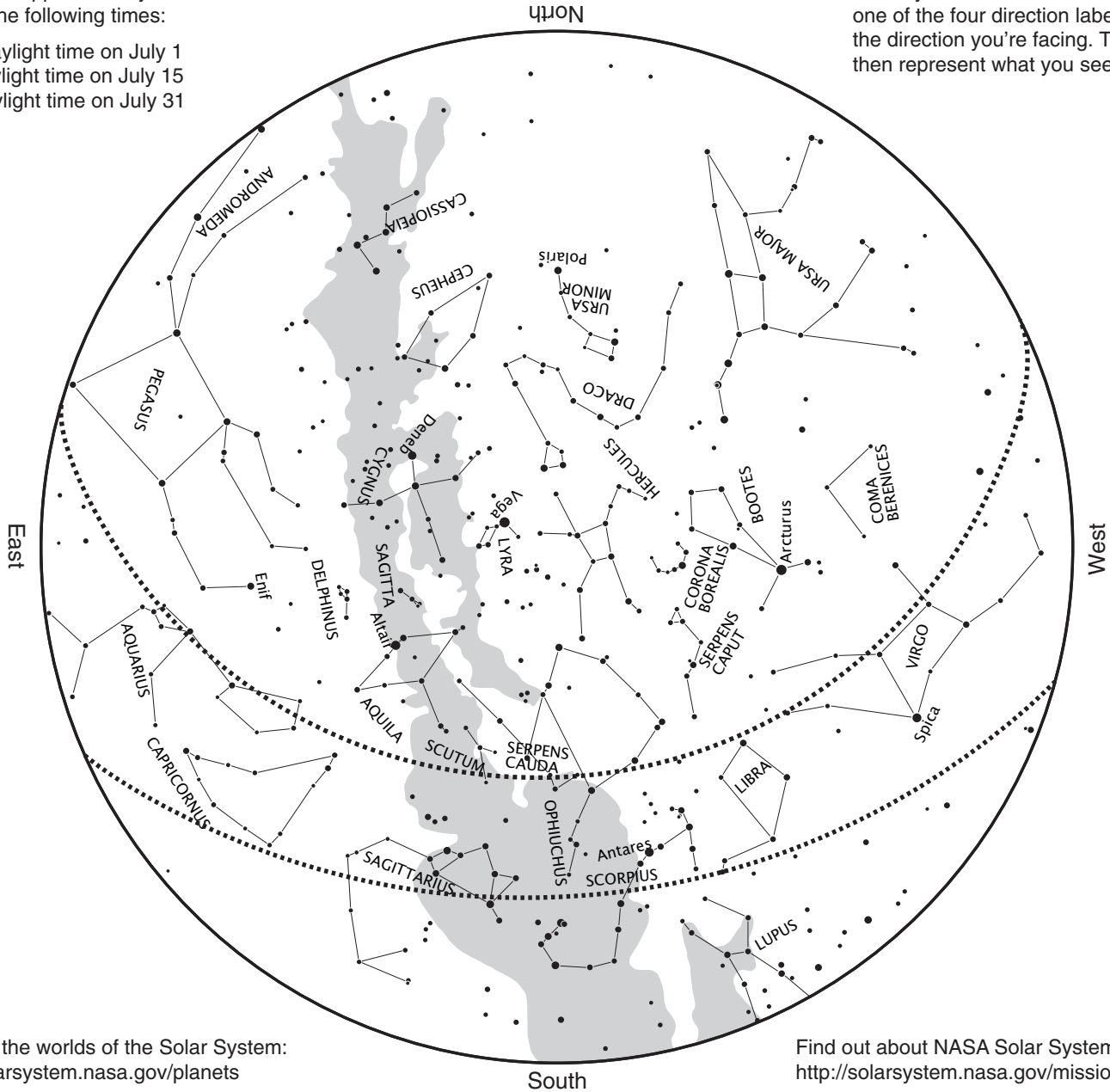
Where are the Planets?

July

The all-sky map represents the night sky as seen from approximately 35° north latitude at the following times:

- Midnight daylight time on July 1
- 11 p.m. daylight time on July 15
- 10 p.m. daylight time on July 31

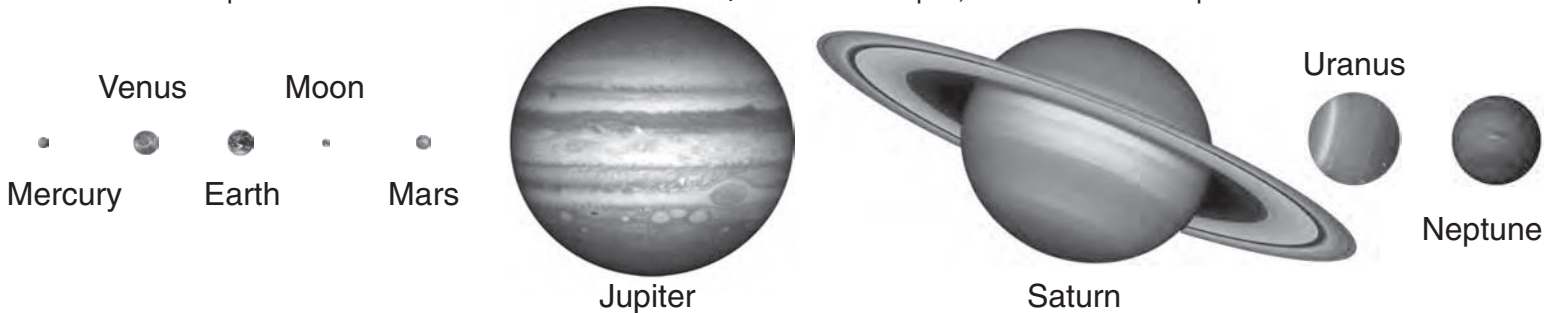
To locate stars in the sky, hold the map above your head and orient it so that one of the four direction labels matches the direction you're facing. The map will then represent what you see in the sky.



Discover the worlds of the Solar System:
<http://solarsystem.nasa.gov/planets>

Find out about NASA Solar System missions:
<http://solarsystem.nasa.gov/missions>

You will find the planets and the Moon in the area of the sky called the "ecliptic," marked on the map between the dotted lines.



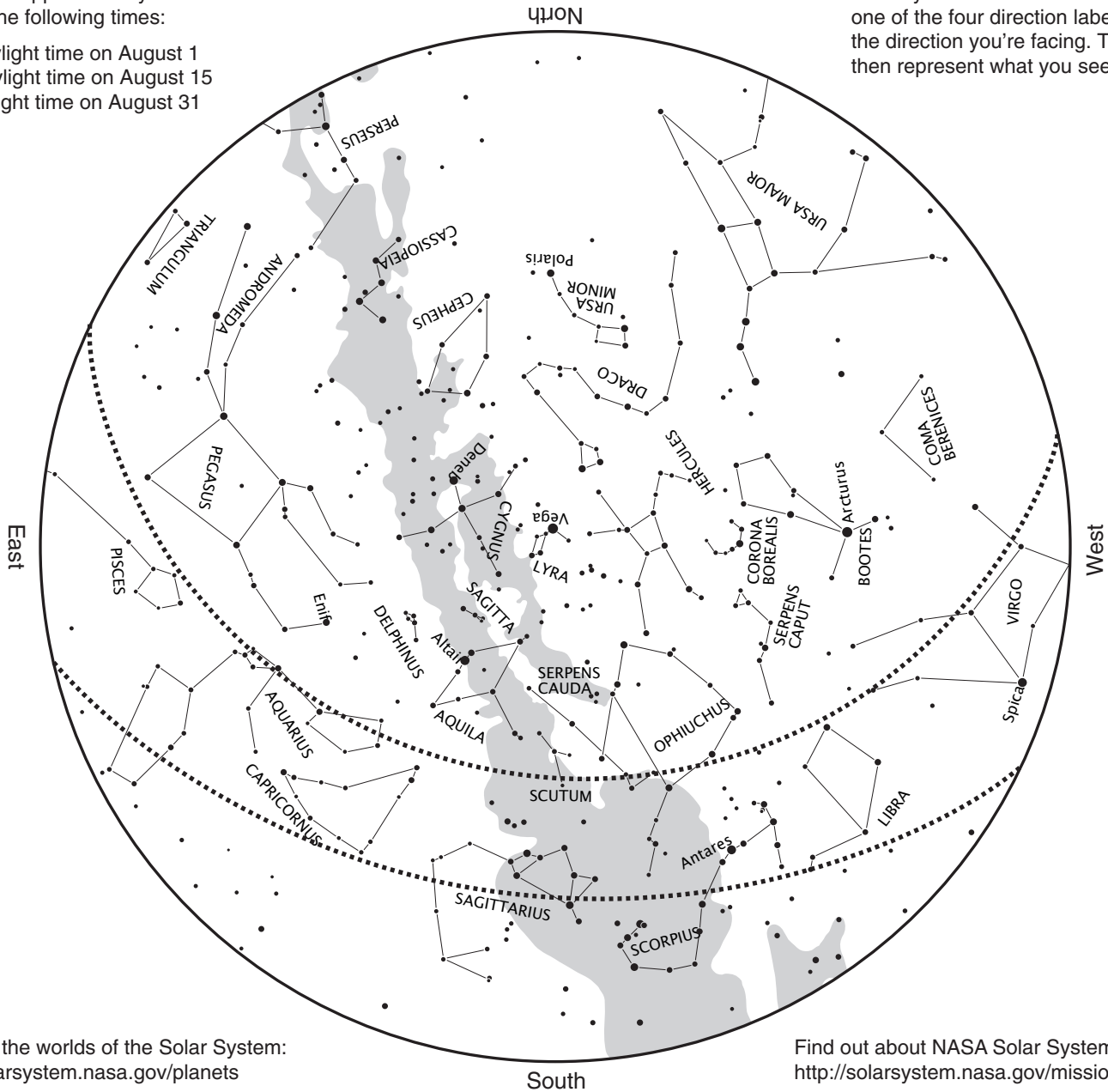


Where are the Planets? August

The all-sky map represents the night sky as seen from approximately 35° north latitude at the following times:

- 11 p.m. daylight time on August 1
- 10 p.m. daylight time on August 15
- 9 p.m. daylight time on August 31

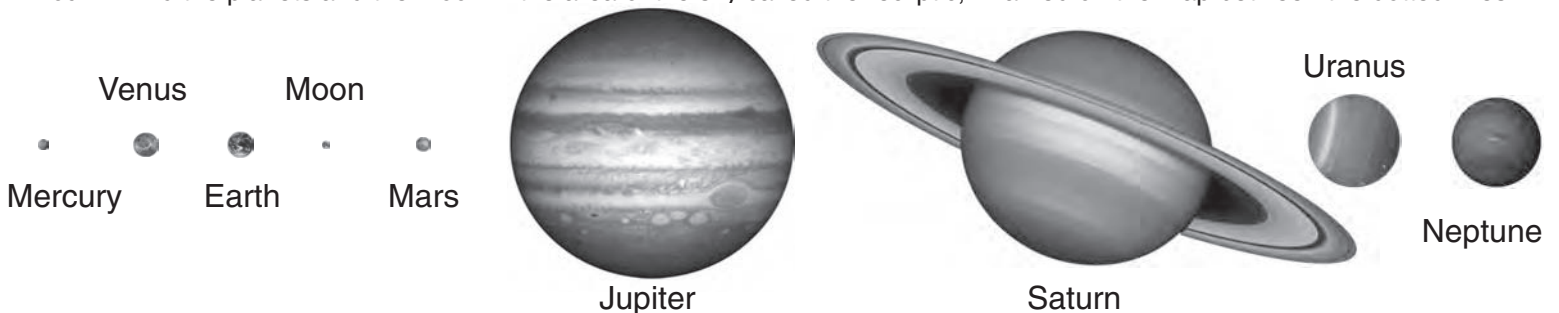
To locate stars in the sky, hold the map above your head and orient it so that one of the four direction labels matches the direction you're facing. The map will then represent what you see in the sky.



Discover the worlds of the Solar System:
<http://solarsystem.nasa.gov/planets>

Find out about NASA Solar System missions:
<http://solarsystem.nasa.gov/missions>

You will find the planets and the Moon in the area of the sky called the "ecliptic," marked on the map between the dotted lines.



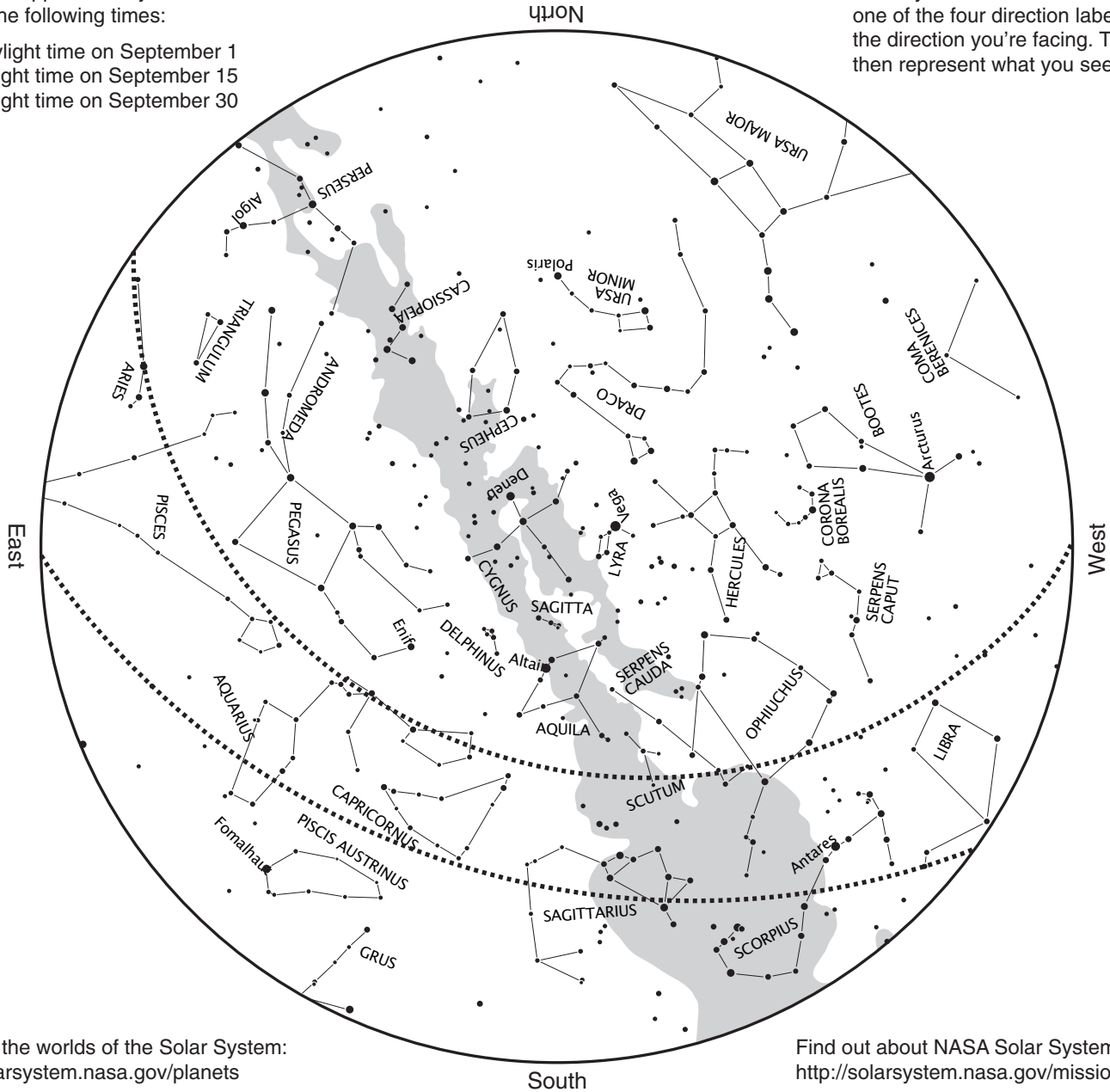


Where are the Planets? September

The all-sky map represents the night sky as seen from approximately 35° north latitude at the following times:

- 10 p.m. daylight time on September 1
- 9 p.m. daylight time on September 15
- 8 p.m. daylight time on September 30

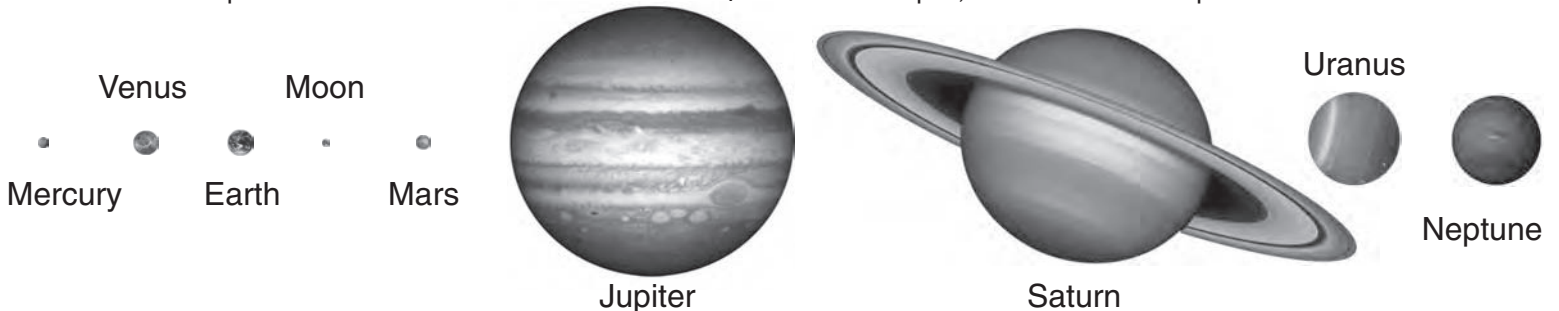
To locate stars in the sky, hold the map above your head and orient it so that one of the four direction labels matches the direction you're facing. The map will then represent what you see in the sky.



Discover the worlds of the Solar System:
<http://solarsystem.nasa.gov/planets>

Find out about NASA Solar System missions:
<http://solarsystem.nasa.gov/missions>

You will find the planets and the Moon in the area of the sky called the "ecliptic," marked on the map between the dotted lines.



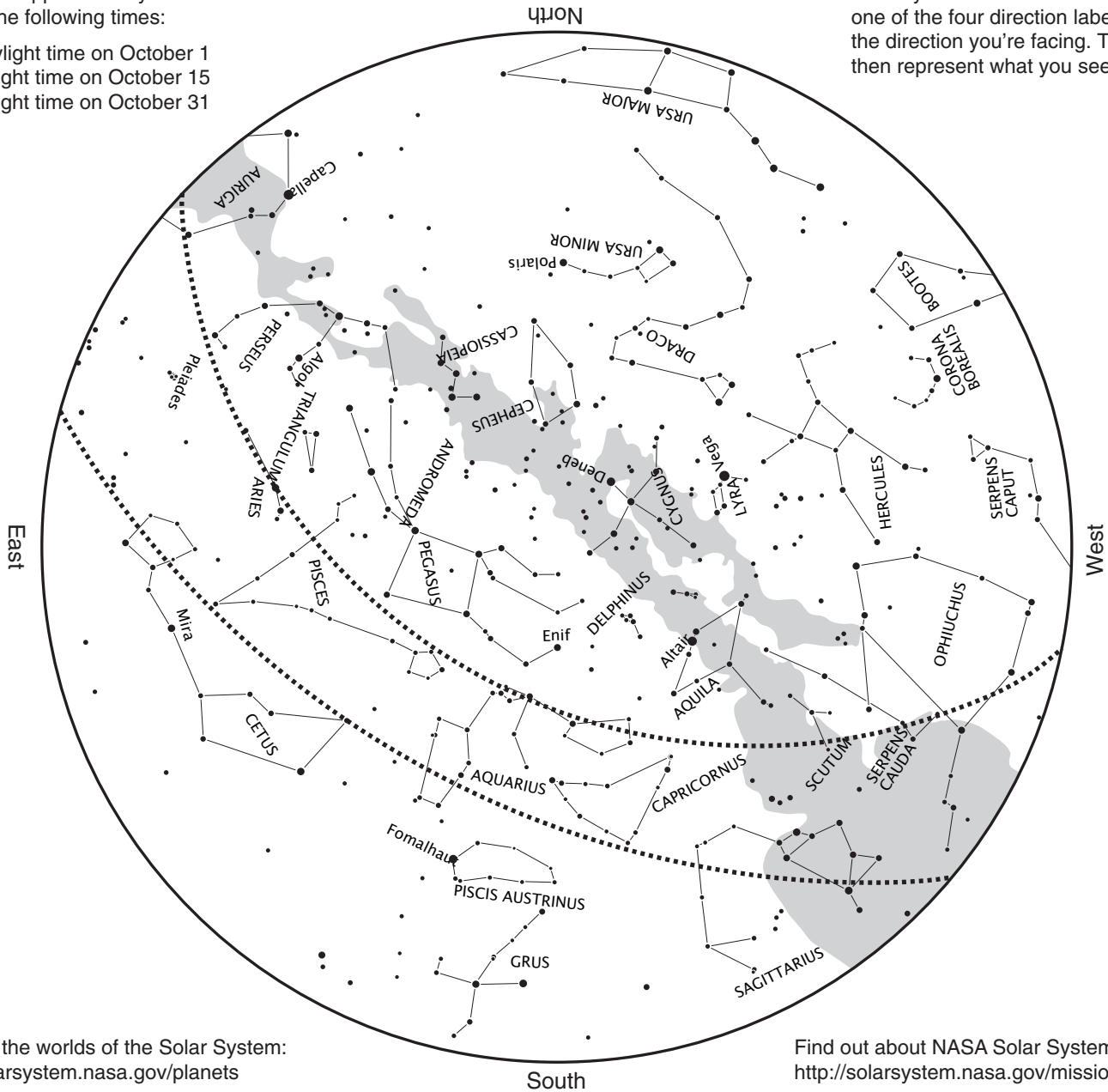


Where are the Planets? October

The all-sky map represents the night sky as seen from approximately 35° north latitude at the following times:

- 10 p.m. daylight time on October 1
- 9 p.m. daylight time on October 15
- 7 p.m. daylight time on October 31

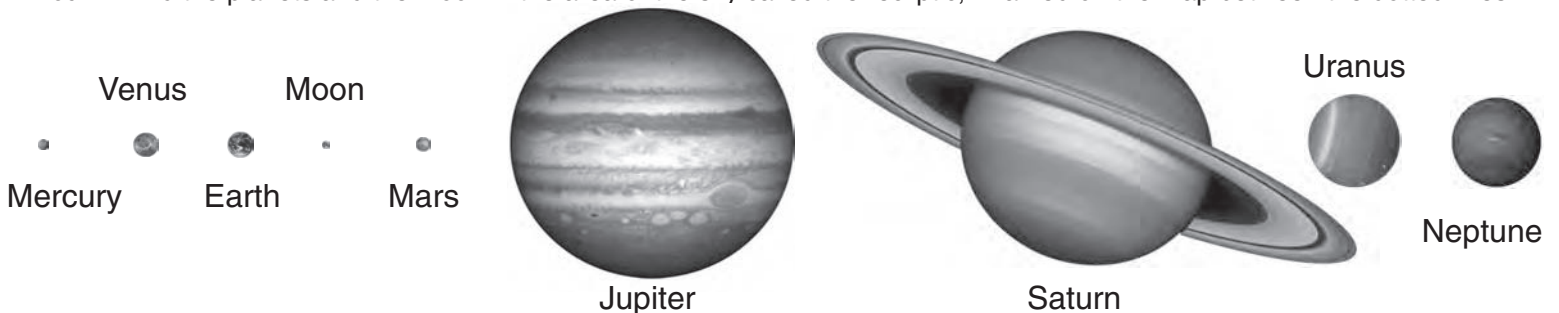
To locate stars in the sky, hold the map above your head and orient it so that one of the four direction labels matches the direction you're facing. The map will then represent what you see in the sky.



Discover the worlds of the Solar System:
<http://solarsystem.nasa.gov/planets>

Find out about NASA Solar System missions:
<http://solarsystem.nasa.gov/missions>

You will find the planets and the Moon in the area of the sky called the "ecliptic," marked on the map between the dotted lines.



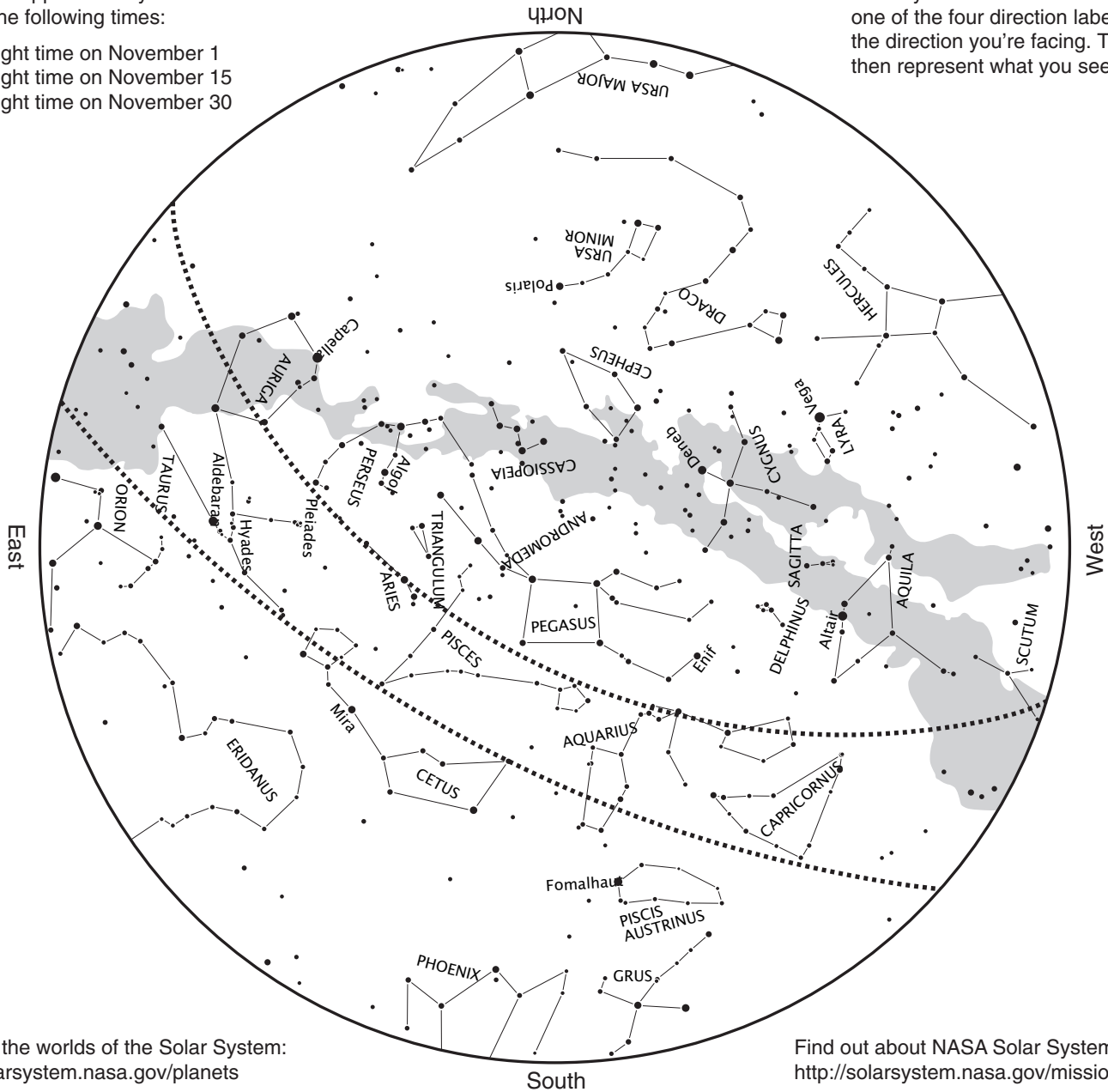


Where are the Planets? November

The all-sky map represents the night sky as seen from approximately 35° north latitude at the following times:

- 9 p.m. daylight time on November 1
- 8 p.m. daylight time on November 15
- 7 p.m. daylight time on November 30

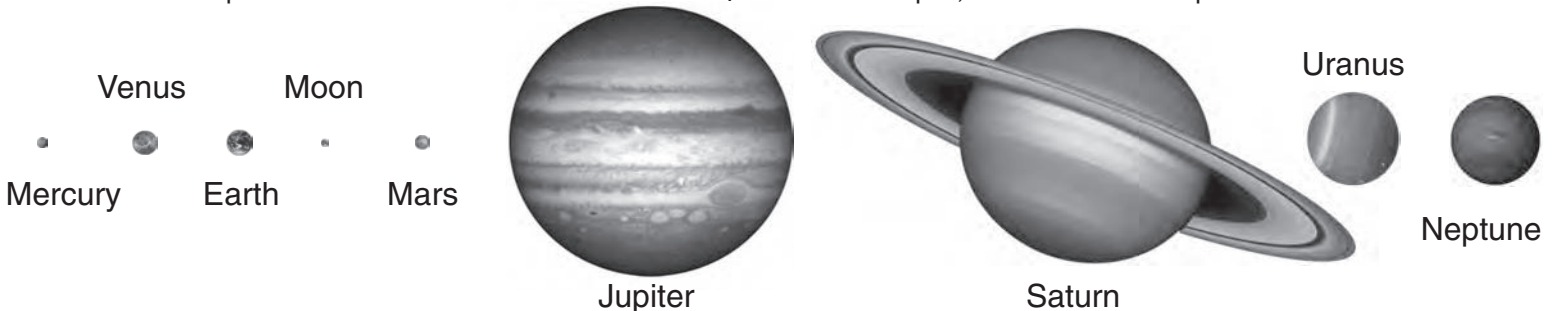
To locate stars in the sky, hold the map above your head and orient it so that one of the four direction labels matches the direction you're facing. The map will then represent what you see in the sky.



Discover the worlds of the Solar System:
<http://solarsystem.nasa.gov/planets>

Find out about NASA Solar System missions:
<http://solarsystem.nasa.gov/missions>

You will find the planets and the Moon in the area of the sky called the "ecliptic," marked on the map between the dotted lines.



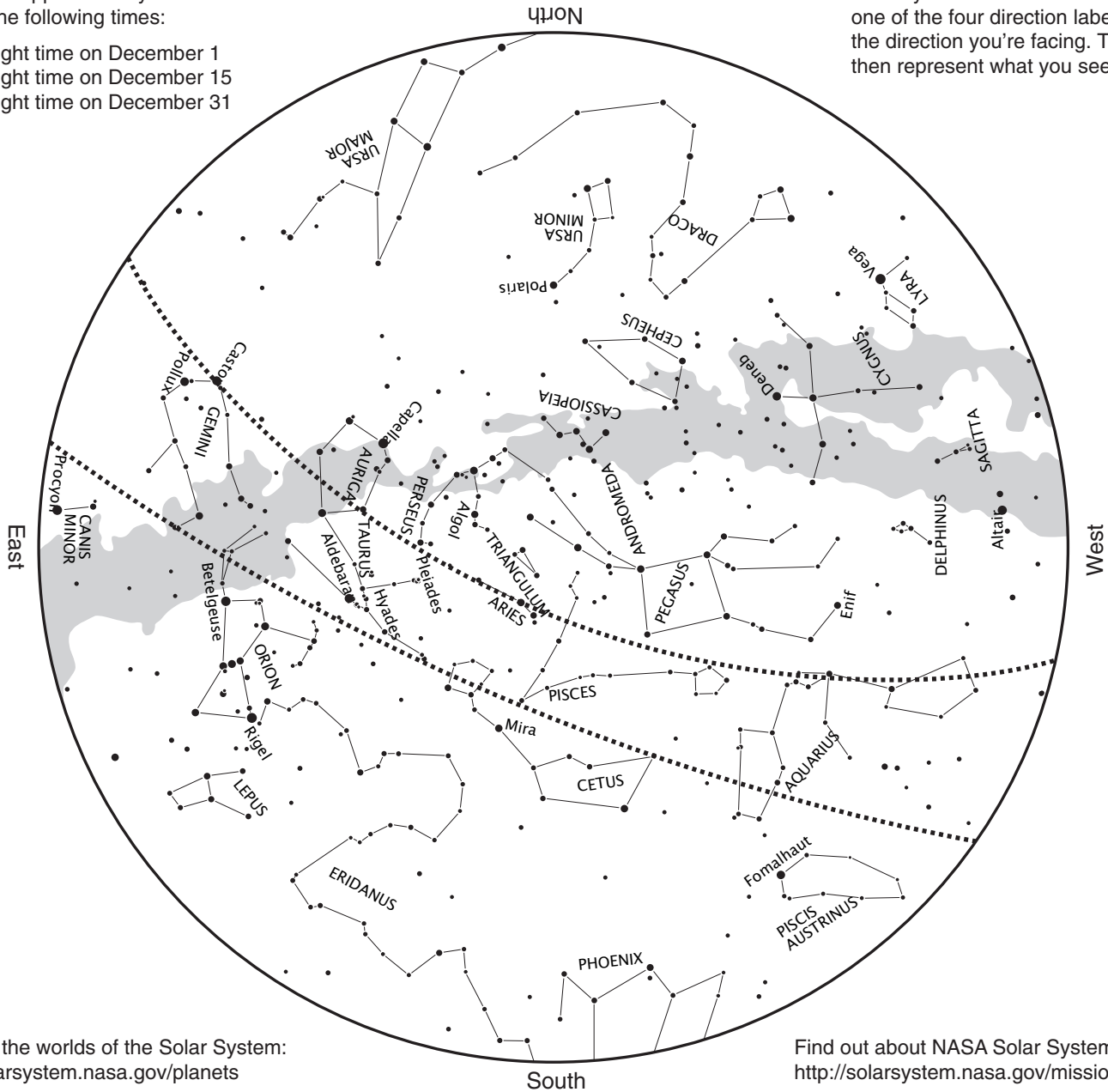


Where are the Planets? December

The all-sky map represents the night sky as seen from approximately 35° north latitude at the following times:

- 9 p.m. daylight time on December 1
- 8 p.m. daylight time on December 15
- 7 p.m. daylight time on December 31

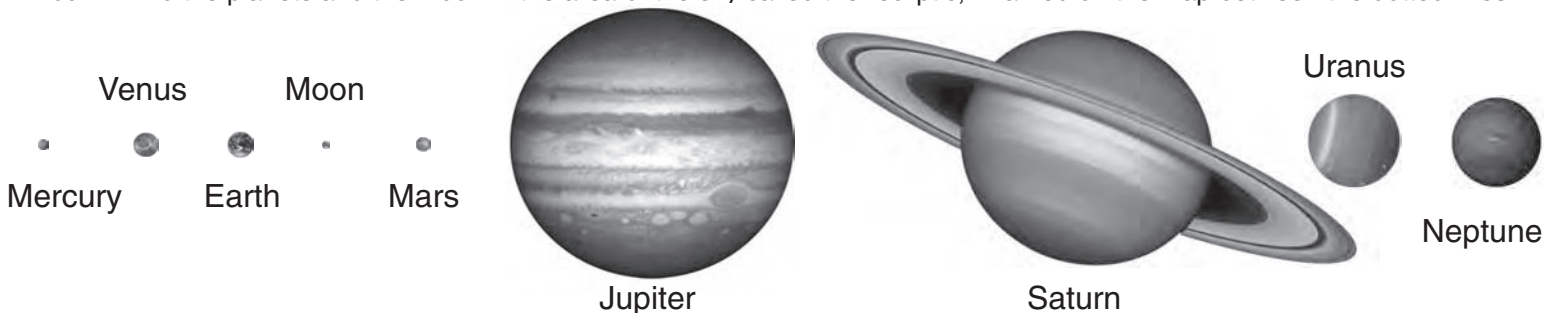
To locate stars in the sky, hold the map above your head and orient it so that one of the four direction labels matches the direction you're facing. The map will then represent what you see in the sky.



Discover the worlds of the Solar System:
<http://solarsystem.nasa.gov/planets>

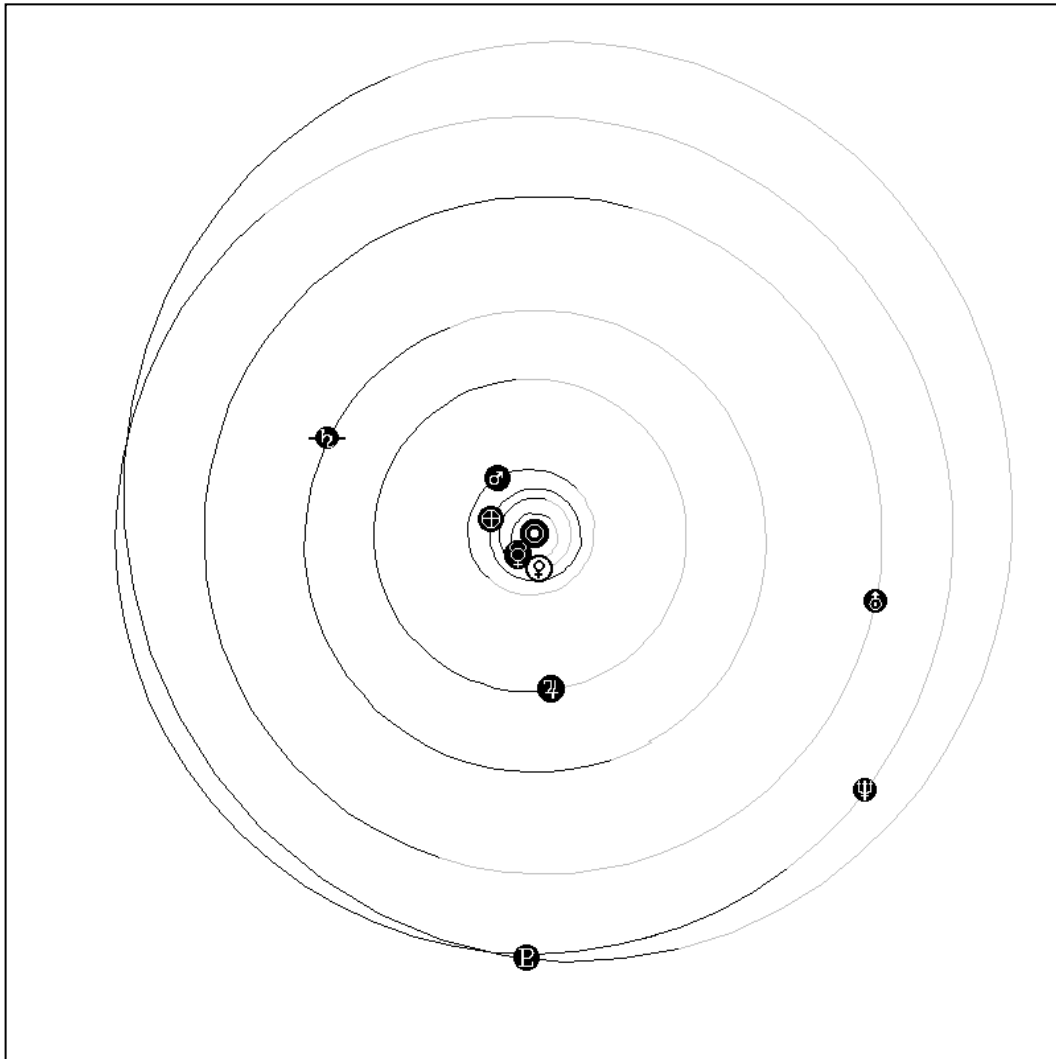
Find out about NASA Solar System missions:
<http://solarsystem.nasa.gov/missions>

You will find the planets and the Moon in the area of the sky called the "ecliptic," marked on the map between the dotted lines.



Website Source: <http://www.fourmilab.ch/cgi-bin/Solar>

Solar System: Sat 2008 Mar 1 18:25



Planet Positions as of March 1, 2008

Use as an example for positioning the planet stickers on the banner "Exploring Our Solar System."