

NASA's First Mission to the Pluto System

and the Kuiper Belt

### Closest Approach, July 14th!

NASA's New Horizons spacecraft is fast approaching its closeup flyby of dwarf planet Pluto, 2.97 billion miles (4.77 billion kilometers) from Earth. Closest approach is on July 14, 2015. This historic event is humankind's first close up view of this cold, unexplored world in our solar system.

#### New Horizons' Journey Through the Solar System

January 19, 2006 New Horizons spacecraft lifts off from Cape Canaveral, Florida.

#### February 2007

New Horizons received a gravity assist from Jupiter while gathering unique and exciting science data on the giant planet and its moons.

#### January 2015

New Horizons began its long-distance observaltions of the Pluto system, starting a six-month study that will culminate in its flyby of Pluto and its moons in July.

#### The Chaotic Orbits of Pluto's Moons

As of June 2015, the dwarf planet Pluto has five known moons. In order of distance from Pluto they are Charon, Styx, Nix, Kerberos, and Hydra. Charon, the largest of the five moons, is mutually tidally locked with Pluto.



#### Five Fun Facts About New Horizons & Pluto

- Clyde Tombaugh was only 24 years old when he Discovered Pluto in 1930.
- 2 New Horizons' trip to Pluto is nearly equal to 33 trips between the Earth and the Sun.
- 3 Pluto is so far away, it takes light 4.6 hours to travel there from Earth.
- If the sun were as tall as a your front door, Earth would be the size of a nickel and Pluto would be about the size of a pin head.
- 5 Pluto is the largest and brightest known object in the Kuiper Belt.

### New Horizons' Path of Discovery

On July 14, 2015, New Horizons will come within its closest approach of Pluto at 7,800 miles (12,500 kilometers).





www.nasa.gov/newhorizons http://pluto.jhuapl.edu

witter.com/NASANewHorizon #PlutoFlyby

f facebook.com/New.Horizons1

www.nasa.gov



# Closest Approach, July 14th!

NASA's New Horizons spacecraft is fast approaching its closeup flyby of dwarf planet Pluto, 2.97 billion miles (4.77 billion kilometers) from Earth. Closest approach is on July 14, 2015. This historic event is humankind's first close up view of this cold, unexplored world in our solar system.

# New Horizons' Journey Through the Solar System

## January 19, 2006

New Horizons spacecraft lifted off from Cape Canaveral, Florida.

## February 2007

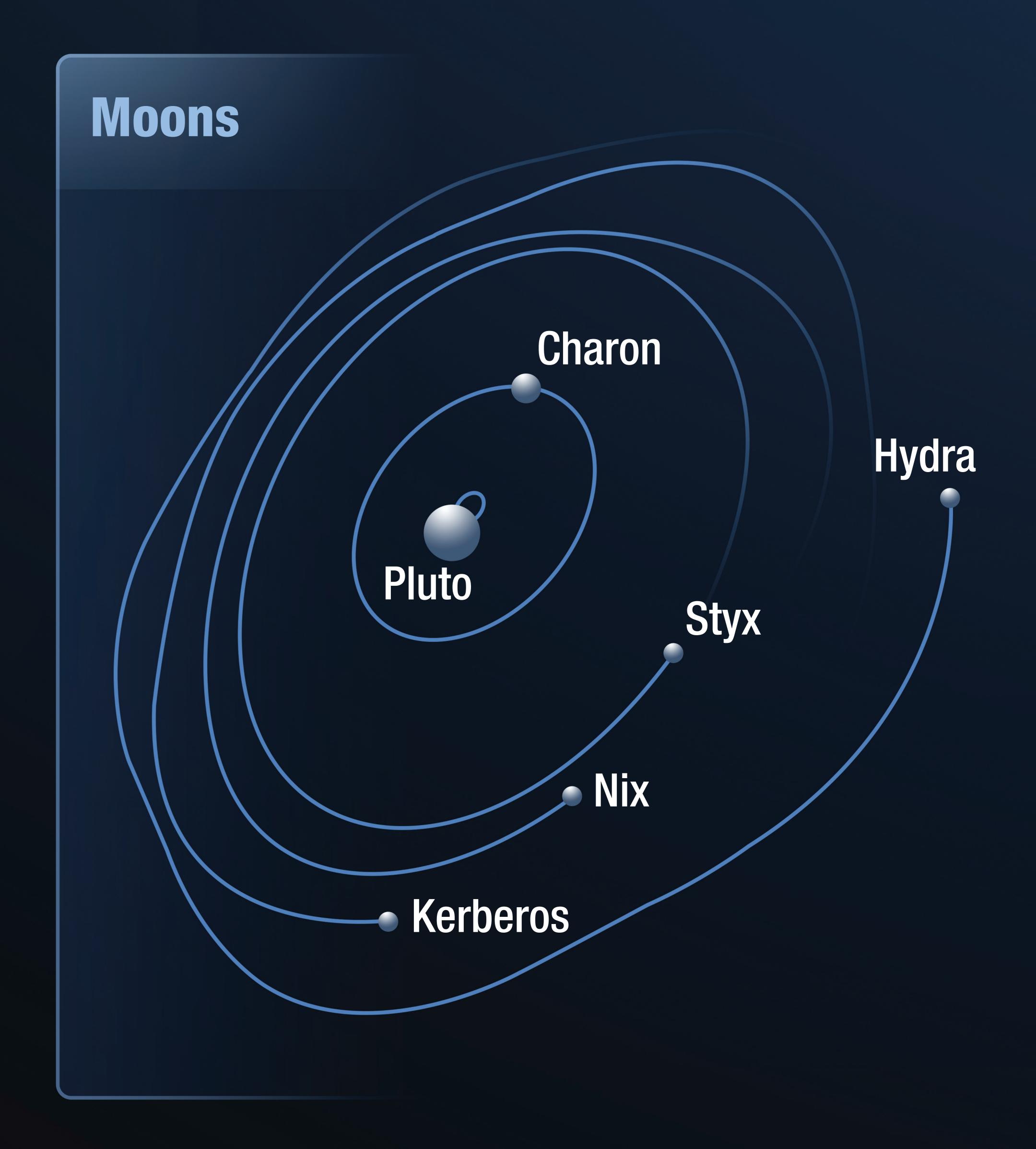
New Horizons received a gravity assist from Jupiter while gathering unique and exciting science data on the giant planet and its moons.

### January 2015

New Horizons began its long-distance observations of the Pluto system, starting a six-month study that will culminate in its flyby of Pluto and its moons in July.

# The Chaotic Orbits of Pluto's Moons

As of June 2015, the dwarf planet Pluto has five known moons. In order of distance from Pluto they are Charon, Styx, Nix, Kerberos, and Hydra. Charon, the largest of the five moons, is mutually tidally locked with Pluto.



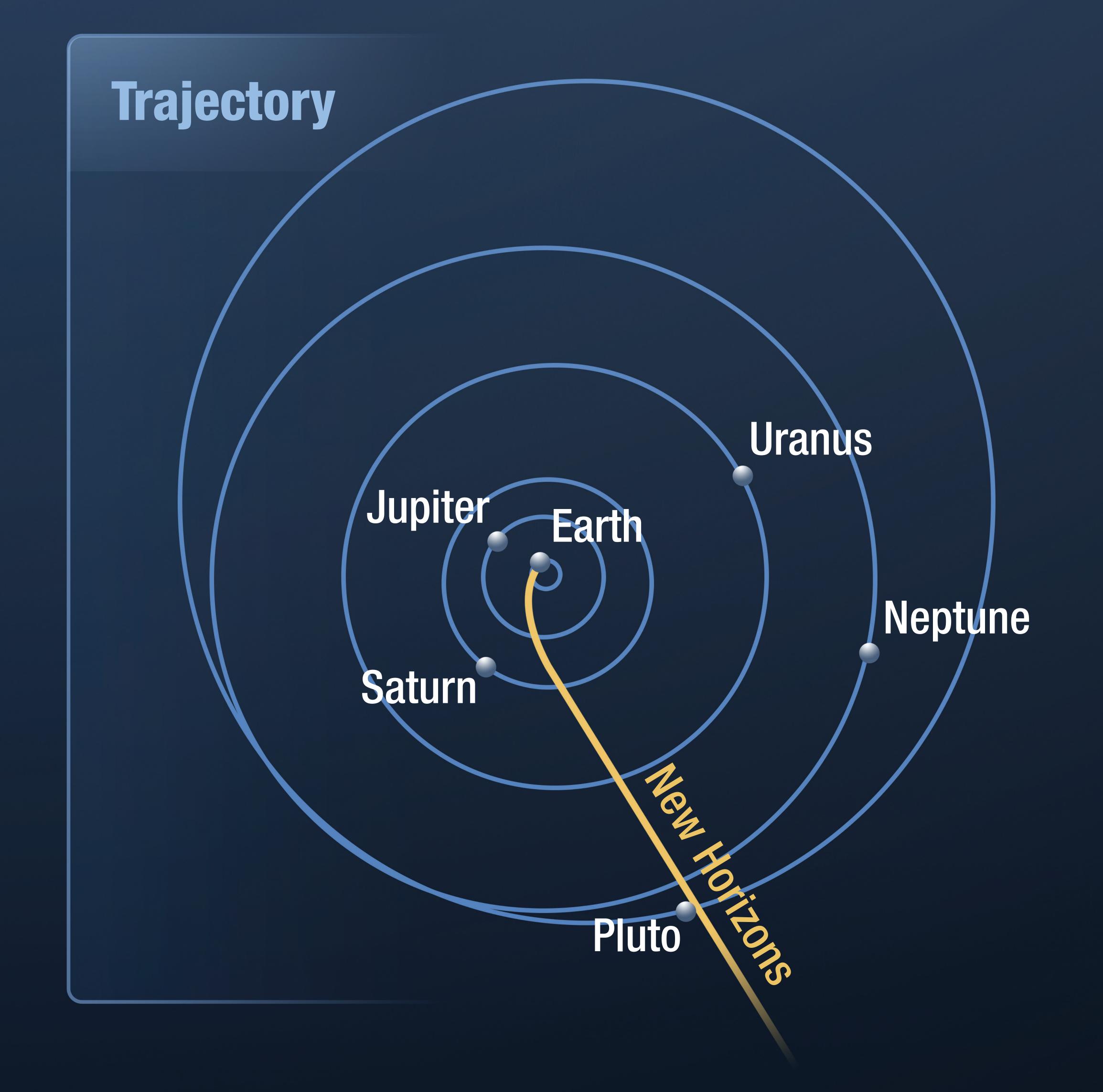


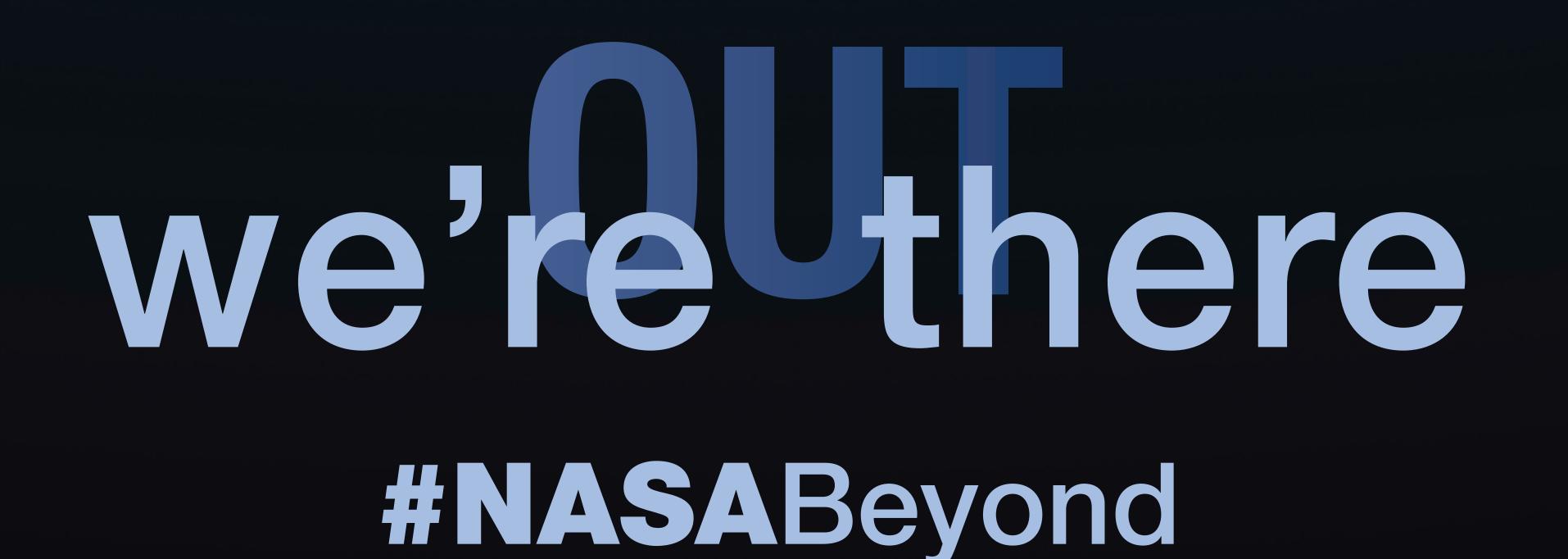
## New Horizons & Pluto

- Clyde Tombaugh was only 24 years old when he Discovered Pluto in 1930.
- New Horizons' trip to Pluto is nearly equal to 33 trips between the Earth and the Sun.
- Pluto is so far away, it takes light 4.6 hours to travel there from Earth.
- If the sun were as tall as a your front door, Earth would be the size of a nickel and Pluto would be about the size of a pin head.
- Pluto is the largest and brightest known object in the Kuiper Belt.

# of Discovery

On July 14, 2015, New Horizons will come within its closest approach of Pluto at 7,800 miles (12,500 kilometers).





- www.nasa.gov/newhorizons http://pluto.jhuapl.edu
- twitter.com/NASANewHorizon #PlutoFlyby
- facebook.com/New.Horizons1