SAILING TO A NEW HORIZON

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STORYLINE

Let’s have a vote

What we knew in June

Pretty pictures

A big thought
Let’s have a vote

Pluto is a planet!

Pluto is pitiful and got what it deserved the little tiny snuff ball of a planet wannabe (not a planet)
PLUTO TONIGHT
This is the best any PERSON had seen Pluto with their own eyes...
DISCOVERY IMAGES

January 23, 1930

January 29, 1930
SEE ANOTHER WORLD IN SKY

U.S. and Britain Win Japan to B-Power Deal

Briand Relents; Will Stay in London.

New Summary of The Tribune

Tariff Question

Still Hanging On

W. A. Mansker

Willard, the great American

Astronomers Believe

It’s Big and Cold.

Bomb Village

President a Second Time

For the second time in two months, the home of William Alston, president of the Village of Broadview, at 1763

VOLSTEAD FIGHT

So Hot Referee Calls Time Out

Stagg Defends Law, Flays ‘Idle Rich.”

Distances in 92½ Million Miles

of Astronomical Units

New World

45 A.U.

Diameters in Thousands of Miles

New Planet

(8 to 32)
24 Aug 2006: **Demotion**

**plutoed** (plue-TOED): to demote or devalue something, as happened to the former planet Pluto...
Terrestrial

Jovian

Third Zone
NEW HORIZONS
Launch: Jan 2006
9.5 YEARS to get to PLUTO
Speed on Approach:

14 km/s
31,317 miles/hour

15 min across Earth
3 min across Pluto
Late June: BTH

“Better Than Hubble”
PLUTO
CHARON

Mordor

Canyon 6 miles deep

Cliffs across the planet

Some craters
Not as many as expected
Mountains 11,000 ft high

No impact craters here!

Not rock...

...water ice
PLUTO - Sputnik Planum

Rugged cratered terrain

Nitrogen ice flow

Nitrogen ice flow

Polygonal cells

Sputnik Planum
WHAT NEXT

More pictures!

All data back slowly thru rest of the year

October: Decision on where to visit next
A FEW OTHER THINGS TO READ/WATCH

Mike Brown
How I Killed Pluto and Why It Had It Coming
Mike Brown

Alan Boyle
The Case for Pluto: How a Little Planet Made a Big Difference
Alan Boyle

Neil deGrasse Tyson
The Pluto Files: The Rise and Fall of America’s Favorite Planet
Neil deGrasse Tyson

Mike Brown public lecture at Keck Institute:
http://tinyurl.com/mikeBrownKeck

My TEDx Talk:
http://tinyurl.com/shanePluto
We’ve seen a new world for the first time – the last of the classical planets.

There are no more planets to see up close for the first time.

The next time we see planets for the first time will be around other stars…

Thanks!