
And the first 3-D microscopic
image on the space station.

1
00:00:00,539 --> 00:00:03,949
A new NASA Administrator is confirmed …

2
00:00:03,949 --> 00:00:07,120
Our next planet-hunting mission launches …

3
00:00:07,120 --> 00:00:12,200
And the first 3-D microscopic image on the
space station – a few of the stories to

4
00:00:12,200 --> 00:00:16,400
tell you about – This Week at NASA!

5
00:00:16,400 --> 00:00:23,650
The U.S. Senate has confirmed Rep. Jim Bridenstine
of Oklahoma as the 13th Administrator of NASA.

6
00:00:23,650 --> 00:00:28,910
"NASA is an extraordinary agency with an extremely
talented and diverse workforce.

7
00:00:28,910 --> 00:00:34,620
It has brought about civilization changing
events and scientific discoveries.

8
00:00:34,620 --> 00:00:39,750
It has inspired billions of people and it
represents what is exceptional about the United

9
00:00:39,750 --> 00:00:40,750
States of America."

10
00:00:40,750 --> 00:00:46,910
Bridenstine, a pilot in the U.S. Navy Reserve
and former executive director of the Tulsa

11
00:00:46,910 --> 00:00:53,040
Air and Space Museum and Planetarium, was
elected to the U.S. Congress in 2012 to represent

12
00:00:53,040 --> 00:00:56,510
Oklahoma’s First Congressional District.

13
00:00:56,510 --> 00:01:01,260
“Liftoff – the SpaceX Falcon 9 carrying
TESS.”

14
00:01:01,260 --> 00:01:07,570
Our Transiting Exoplanet Survey Satellite,
or TESS, launched April 18 on a SpaceX Falcon

15
00:01:07,570 --> 00:01:09,740
9 rocket, from Florida.

16
00:01:09,740 --> 00:01:14,360
TESS will search for planets outside of our
solar system, known as exoplanets, including

17
00:01:14,360 --> 00:01:16,540
those that could support life.

18
00:01:16,540 --> 00:01:22,670
It’s expected to catalog thousands of planet
candidates for follow up studies.

19
00:01:22,670 --> 00:01:27,490
Using a newly upgraded microscope aboard the
International Space Station, researchers have

20
00:01:27,490 --> 00:01:30,840
taken the first 3-D image of microscopic particles.

21
00:01:30,840 --> 00:01:35,740
The particles – called colloids – are
tiny suspensions found in liquids – ranging

22
00:01:35,740 --> 00:01:37,869
from milk to fabric softener.

23
00:01:37,869 --> 00:01:42,780
They were first seen during a collaborative
experiment with Procter & Gamble Co. that

24
00:01:42,780 --> 00:01:48,580
could help improve the shelf lives of some
consumer products.

25
00:01:48,580 --> 00:01:53,690
Data from our Juno mission to Jupiter has
been used to create a 3-D infrared movie showing

26
00:01:53,690 --> 00:02:00,439
densely packed cyclones and anticyclones permeating
the planet's polar regions, and the first

27
00:02:00,439 --> 00:02:06,770
detailed view of a dynamo, or engine, powering
the magnetic field for any planet beyond Earth.

28
00:02:06,770 --> 00:02:12,129
The imagery will help the Juno mission team
understand the forces at work in the animation.

29
00:02:12,129 --> 00:02:17,359
We celebrated "Earth Day in the Nation's
Capital" – a live event featuring hands-on

30
00:02:17,359 --> 00:02:21,079
activities and presentations about our home
planet.

31
00:02:21,079 --> 00:02:26,140
You can join the celebration with some online
tools that let you create your own shareable

32
00:02:26,140 --> 00:02:32,840
views of our home planet, help combat mosquito-transmitted
diseases, and watch our fleet of Earth-observing

33
00:02:32,840 --> 00:02:35,739
spacecraft as they circle the globe.

34
00:02:35,739 --> 00:02:41,299
For all things Earth Day – #NASA4Earth and
https://www.nasa.gov/earthday.

35
00:02:41,299 --> 00:02:45,040
That’s what’s up this week @NASA …