



1

00:00:00,780 --> 00:00:05,130

“Here’s some of the stories trending This Week at NASA!”

2

00:00:05,130 --> 00:00:11,280

On Oct. 23, Orbital ATK’s Cygnus cargo spacecraft safely arrived at the International Space

3

00:00:11,280 --> 00:00:16,119

Station – six days after being launched on an Antares rocket from NASA’s Wallops

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00:00:16,119 --> 00:00:18,430

Flight Facility, in Virginia.

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00:00:18,430 --> 00:00:22,770

The successful trip to orbit is the return of rocket launches to the space station from

6

00:00:22,770 --> 00:00:27,790

Virginia, following the loss of an Antares and a Cygnus spacecraft during a launch mishap

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00:00:27,790 --> 00:00:30,020

in October 2014.

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00:00:30,020 --> 00:00:34,860

The Cygnus delivered more than 5,100 pounds of science investigations, food and supplies

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00:00:34,860 --> 00:00:38,710

to the crew onboard the station.

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00:00:38,710 --> 00:00:43,570

Expedition 50/51, which includes NASA’s Peggy Whitson, is the next crew headed to

11

00:00:43,570 --> 00:00:44,640

the space station.

12  
00:00:44,640 --> 00:00:51,620  
Whitson, Oleg Novitskiy of Roscosmos and Thomas Pesquet of the European Space Agency, conducted

13  
00:00:51,620 --> 00:00:57,519  
final qualification training Oct. 24 and 25  
at the Gagarin Cosmonaut Training Center in

14  
00:00:57,519 --> 00:00:59,730  
Star City, Russia.

15  
00:00:59,730 --> 00:01:04,890  
Launch of the crew is targeted for mid-November  
from the Baikonur Cosmodrome in Kazakhstan.

16  
00:01:04,890 --> 00:01:10,960  
The trio is scheduled to spend five-months  
on the International Space Station.

17  
00:01:10,960 --> 00:01:16,479  
During an Oct. 25 event at the Smithsonian's  
National Air and Space Museum in Washington,

18  
00:01:16,479 --> 00:01:21,560  
former NASA astronaut John Grunsfeld was part  
of a panel discussion on space weather and

19  
00:01:21,560 --> 00:01:25,920  
the dangers of high-energy solar radiation  
in the space environment.

20  
00:01:25,920 --> 00:01:31,100  
The event also marked the 10th anniversary  
of the launch of NASA's two Solar TErrestrial

21  
00:01:31,100 --> 00:01:35,000  
RElations Observatory or (STEREO) spacecraft.

22

00:01:35,000 --> 00:01:39,680

The twin probes have advanced space weather forecasting more than any other spacecraft

23

00:01:39,680 --> 00:01:45,810

or solar observatory and enabled previously impossible early warnings of threatening conditions

24

00:01:45,810 --> 00:01:47,850

posed by the sun.

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00:01:47,850 --> 00:01:52,079

Understanding the hazards of space weather on crewed and robotic missions is vital to

26

00:01:52,079 --> 00:01:57,609

informing plans for NASA's Journey to Mars and other missions into our solar system,

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00:01:57,609 --> 00:01:59,850

and beyond.

28

00:01:59,850 --> 00:02:05,290

A test version of NASA's Orion crew module was moved into the well deck of the USS San

29

00:02:05,290 --> 00:02:11,000

Diego at Naval Base San Diego in California recently, to prepare for Underway Recovery

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00:02:11,000 --> 00:02:12,780

Test 5 (URT-5).

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00:02:12,780 --> 00:02:17,750

During URT-5, which will take place in the open waters of the Pacific Ocean, a team of

32

00:02:17,750 --> 00:02:23,481

NASA, Lockheed Martin and Navy personnel will use the Orion test article to evaluate the

33  
00:02:23,481 --> 00:02:29,310  
processes, procedures, and hardware necessary  
to safely recover the real spacecraft from

34  
00:02:29,310 --> 00:02:32,920  
the ocean when it returns from deep space  
missions.

35  
00:02:32,920 --> 00:02:38,170  
Orion is the exploration spacecraft designed  
to carry astronauts to destinations not yet

36  
00:02:38,170 --> 00:02:45,010  
explored by humans, including to an asteroid  
and on NASA's Journey to Mars.

37  
00:02:45,010 --> 00:02:49,810  
NASA and industry leaders gathered in Huntsville,  
Alabama, near Marshall Space Flight Center

38  
00:02:49,810 --> 00:02:55,250  
for the 9th Wernher von Braun Memorial Symposium  
Oct. 25-27.

39  
00:02:55,250 --> 00:03:01,060  
This year's theme was "Exploring the Universe  
and Maintaining U.S. Leadership in Space."

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00:03:01,060 --> 00:03:06,250  
At the Thursday dinner event, NASA Administrator  
Charlie Bolden was presented the Von Braun

41  
00:03:06,250 --> 00:03:11,239  
Space Flight Trophy – awarded by the Huntsville  
chapter of the National Space Club to the

42  
00:03:11,239 --> 00:03:17,580  
individual or organization that has made great  
achievement in advancing spaceflight programs

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00:03:17,580 --> 00:03:22,500

and contributing to U.S. leadership in the fields of rocketry and astronautics.

44

00:03:22,500 --> 00:03:27,629

The event also featured NASA Deputy Administrator Dava Newman, Marshall Center Director Todd

45

00:03:27,629 --> 00:03:33,690

May and Apollo 17 astronaut Harrison Schmitt, who was the only scientist to walk on the

46

00:03:33,690 --> 00:03:35,720

moon.

47

00:03:35,720 --> 00:03:37,720

And that's what's up this week @NASA ...