



1

00:00:00,740 --> 00:00:05,170

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

2

00:00:05,170 --> 00:00:10,599

On June 7 at Wallops Flight Facility, in Virginia, NASA and Orbital ATK hosted members of the

3

00:00:10,599 --> 00:00:15,870

media to see the Cygnus cargo spacecraft scheduled to fly the company’s next delivery mission

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00:00:15,870 --> 00:00:18,119

to the International Space Station.

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00:00:18,119 --> 00:00:21,720

The mission – the company’s fifth to the space station under its Commercial Resupply

6

00:00:21,720 --> 00:00:26,230

Services contract with NASA – is planned for launch in July.

7

00:00:26,230 --> 00:00:31,380

Cygnus will launch atop Orbital ATK’s Antares rocket from the Mid-Atlantic Regional Spaceport’s

8

00:00:31,380 --> 00:00:33,380

Pad 0-A at Wallops.

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00:00:33,380 --> 00:00:38,470

It will be the first time Antares and Pad 0-A have been used for a launch since a launch

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00:00:38,470 --> 00:00:42,150

mishap in 2014.

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00:00:42,150 --> 00:00:46,280

Onboard the space station, NASA astronaut

Jeff Williams opened the hatch to the Bigelow

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00:00:46,280 --> 00:00:50,120

Expandable Activity Module (BEAM) for the first time on June 6.

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00:00:50,120 --> 00:00:55,010

He and Russian cosmonaut Oleg Skripochka then entered the module to collect an air sample

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00:00:55,010 --> 00:00:56,550

and set up some equipment.

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00:00:56,550 --> 00:00:59,430

They eventually exited and resealed the hatch.

16

00:00:59,430 --> 00:01:04,550

BEAM will remain attached to the station for a two-year data collection period, with crew

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00:01:04,550 --> 00:01:09,079

members occasionally reopening the hatch to check the module's condition.

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00:01:09,079 --> 00:01:15,360

The BEAM is a technology demonstration to study expandable habitats in space.

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00:01:15,360 --> 00:01:20,429

On July 4, NASA's Juno mission will become the first spacecraft to enter into polar orbit

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00:01:20,429 --> 00:01:21,520

around Jupiter.

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00:01:21,520 --> 00:01:27,420

The Jet Propulsion Laboratory in Pasadena, California held a media day on June 9 featuring

22

00:01:27,420 --> 00:01:33,229

details about the mission and various hardware models, including a giant solar panel as big

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00:01:33,229 --> 00:01:39,049

as a tractor-trailer and a titanium vault used to protect Juno's instruments from sizzling

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00:01:39,049 --> 00:01:44,249

radiation on its journey to our solar system's most massive planet.

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00:01:44,249 --> 00:01:49,939

NASA's new COral Reef Airborne Laboratory (CORAL) field campaign kicked off its data-gathering

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00:01:49,939 --> 00:01:54,340

phase with an operational readiness test on Oahu, Hawaii.

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00:01:54,340 --> 00:01:59,359

During the next year, CORAL will conduct airborne and in-water surveys of representative coral

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00:01:59,359 --> 00:02:02,539

reefs from Hawaii to Australia.

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00:02:02,539 --> 00:02:07,469

These data will help them answer fundamental questions about how reefs are changing globally

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00:02:07,469 --> 00:02:11,250

due to the effects of climate change and human activities.

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00:02:11,250 --> 00:02:16,400

CORAL is one of the new NASA Earth Expeditions major field research missions to study regions

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00:02:16,400 --> 00:02:23,740

of critical change around the world by collecting data from space, land, sea and air.

33  
00:02:23,740 --> 00:02:28,530  
More than 20,000 people came out to NASA's Jet Propulsion Laboratory, June 4 and 5 for

34  
00:02:28,530 --> 00:02:31,220  
"A Ticket to Explore JPL."

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00:02:31,220 --> 00:02:36,280  
This year's open house-type event included life-size models of several robotic Mars rovers

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00:02:36,280 --> 00:02:42,721  
operated by JPL, an area showcasing various other robots researchers are working on, and

37  
00:02:42,721 --> 00:02:48,830  
exhibits highlighting other work JPL is doing to help NASA revolutionize space exploration.

38  
00:02:48,830 --> 00:02:52,490  
And that's what's up this week @NASA ...