
МКС 47
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1
00:00:00,669 --> 00:00:05,110
“Here’s some of the stories trending This
Week at NASA!”

2
00:00:05,110 --> 00:00:10,380
On May 16, the International Space Station
completed its 100,000th orbit of Earth since

3
00:00:10,380 --> 00:00:14,990
the launch of the first component on Nov.
20, 1998.

4
00:00:14,990 --> 00:00:19,800
In that time, the station has traveled more
than 2.6 billion miles – which is roughly

5
00:00:19,800 --> 00:00:25,480
the equivalent of about 10 round trips between
Earth and Mars, at the average distance between

6
00:00:25,480 --> 00:00:26,800
the two planets.

7
00:00:26,800 --> 00:00:32,320
The space station zips around our planet at
17,500 miles per hour – completing each

8
00:00:32,320 --> 00:00:38,149
orbit in just 90 minutes – giving the crew
onboard the unique opportunity to experience

9
00:00:38,149 --> 00:00:44,079
16 sunrises and sunsets per day and to capture
some great images of Earth.

10
00:00:44,079 --> 00:00:49,139
To help mark the occasion the Expedition 47
crew, including station Commander Tim Kopra

11

00:00:49,139 --> 00:00:54,959
and Jeff Williams of NASA, posed for this
snapshot – the 3 millionth image taken from

12
00:00:54,959 --> 00:00:58,260
onboard the ISS!

13
00:00:58,260 --> 00:01:04,239
May 16 also saw the much anticipated launch
of several small satellites from the ISS.

14
00:01:04,239 --> 00:01:10,200
Students at St. Thomas More Cathedral School
in Arlington, Virginia watched as their STMSat-1

15
00:01:10,200 --> 00:01:14,299
was deployed from the station's NanoRacks
CubeSat Deployer.

16
00:01:14,299 --> 00:01:20,049
STMSat-1, the first-ever CubeSat built by
elementary school students, is an educational

17
00:01:20,049 --> 00:01:25,659
mission designed to transmit images of Earth
to ground stations around the country.

18
00:01:25,659 --> 00:01:30,850
Meanwhile, NASA's two Nodes satellites were
also deployed into low-Earth orbit.

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00:01:30,850 --> 00:01:35,729
These tiny devices are part of a technology
demonstration mission to exhibit new network

20
00:01:35,729 --> 00:01:41,940
data and command handling capabilities needed
for collaborative operation of swarms of multiple

21
00:01:41,940 --> 00:01:43,009

spacecraft.

22
00:01:43,009 --> 00:01:49,470
Both missions launched to the ISS on Dec.
6 aboard Orbital ATK’s Cygnus cargo resupply

23
00:01:49,470 --> 00:01:51,689
spacecraft.

24
00:01:51,689 --> 00:01:56,069
Deputy Administrator Dava Newman was among
the NASA officials to attend the Humans to

25
00:01:56,069 --> 00:02:01,240
Mars Summit 2016 at The George Washington
University, in Washington.

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00:02:01,240 --> 00:02:06,299
The three-day event, which kicked off May
17, addressed the technical, scientific and

27
00:02:06,299 --> 00:02:11,409
policy challenges of making human exploration
of Mars a reality.

28
00:02:11,409 --> 00:02:16,620
In addition to remarks by Newman, the event
also featured NASA’s Chief Scientist Ellen

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00:02:16,620 --> 00:02:21,970
Stofan, Steve Jurczyk, the agency’s Associate
Administrator for Space Technology, as well

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00:02:21,970 --> 00:02:25,450
as other well-known figures in the space community.

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00:02:25,450 --> 00:02:30,450
NASA is on an ambitious journey to Mars that
includes sending humans to the Red Planet

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00:02:30,450 --> 00:02:33,590
in the 2030s.

33
00:02:33,590 --> 00:02:39,120
When NASA’s Orion spacecraft makes water
landings at the end of future deep space missions,

34
00:02:39,120 --> 00:02:43,260
astronauts inside will experience the mission’s
greatest deceleration and some of the greatest

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00:02:43,260 --> 00:02:44,849
forces on the human body.

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00:02:44,849 --> 00:02:49,939
So, engineers at NASA’s Langley Research
Center in Hampton, Virginia, are conducting

37
00:02:49,939 --> 00:02:56,700
water-impact tests of an Orion test capsule
with suited crash test dummies inside.

38
00:02:56,700 --> 00:03:01,689
Data gathered with the help of these special
passengers will be used to design safeguards

39
00:03:01,689 --> 00:03:07,100
and features to reduce the risk of astronauts
being injured during splashdown landings in

40
00:03:07,100 --> 00:03:09,550
the ocean.

41
00:03:09,550 --> 00:03:14,819
On May 18, NASA Administrator Charlie Bolden
participated in “Transfomers” – a live

42
00:03:14,819 --> 00:03:19,549
journalism event hosted by the Washington

Post, to explore the breakthroughs pushing

43
00:03:19,549 --> 00:03:24,150
the boundaries of knowledge and setting the
stage for inevitable change.

44
00:03:24,150 --> 00:03:28,879
The Administrator was part of a panel discussion
titled, “There’s No Place Like Space”,

45
00:03:28,879 --> 00:03:33,480
about recent milestones and developments in
commercial spaceflight and their potential

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00:03:33,480 --> 00:03:37,459
to open up new frontiers for business and
exploration.

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00:03:37,459 --> 00:03:42,519
Other panelists included Julie Van Kleeck
of Aerojet Rocketdyne, George Whitesides of

48
00:03:42,519 --> 00:03:47,569
Virgin Galactic, and Andy Weir, author of
the book “The Martian”.

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00:03:47,569 --> 00:03:52,769
A farewell event was held on May 19 at NASA
Headquarters in recognition of the nearly

50
00:03:52,769 --> 00:03:58,500
four decades of science and exploration achievements
of John Grunsfeld, who is retiring at the

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00:03:58,500 --> 00:04:02,709
end of May as the agency’s Associate Administrator
for science.

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00:04:02,709 --> 00:04:08,200
Administrator Charlie Bolden and other well-wishers

were on hand to thank the hall of fame astronaut

53
00:04:08,200 --> 00:04:11,270
for his contributions to the agency and its
missions.

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00:04:11,270 --> 00:04:15,000
And that’s what’s up this week @NASA …