



1
00:00:00,290 --> 00:00:04,040
Celebrating sixty years of NASA ...

2
00:00:04,040 --> 00:00:07,710
Space station crew makes a safe return to
Earth ...

3
00:00:07,710 --> 00:00:13,050
And evidence of a possible discovery outside
our solar system ... a few of the stories

4
00:00:13,050 --> 00:00:16,620
to tell you about – This Week at NASA!

5
00:00:16,620 --> 00:00:22,420
On Oct. 1, we celebrated the 60th anniversary
of NASA opening for business.

6
00:00:22,420 --> 00:00:29,330
In its first sixty years, the agency has led
the peaceful exploration of space, made discoveries

7
00:00:29,330 --> 00:00:35,360
about our home planet, conducted research
to advance aviation, and much more – all

8
00:00:35,360 --> 00:00:37,190
for the benefit of humankind.

9
00:00:37,190 --> 00:00:44,050
In a special video message to mark the occasion,
administrator Jim Bridenstine expressed confidence

10
00:00:44,050 --> 00:00:46,260
about NASA's path forward.

11
00:00:46,260 --> 00:00:52,120
“Our momentum is charting NASA's next great
era of exploration.

12
00:00:52,120 --> 00:00:57,470
We will reach new milestones that change the world and we will inspire the next generation

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00:00:57,470 --> 00:00:59,510
to build on our legacy.”

14
00:00:59,510 --> 00:01:05,170
NASA’s next big step will take us back to the Moon – to help us prepare for human

15
00:01:05,170 --> 00:01:08,110
expeditions to Mars and beyond.

16
00:01:08,110 --> 00:01:14,150
For more information about NASA’s 60th anniversary – including a series of videos highlighting

17
00:01:14,150 --> 00:01:20,780
some of the agency’s accomplishments, visit nasa.gov/60.

18
00:01:20,780 --> 00:01:25,960
The International Space Station’s Expedition 56 crew – including our Drew Feustel and

19
00:01:25,960 --> 00:01:31,840
Ricky Arnold – are back on Earth after a safe landing in Kazakhstan on Oct. 4.

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00:01:31,840 --> 00:01:39,210
Feustel, Arnold and cosmonaut Oleg Artemyev of Roscosmos capped off a 197-day mission

21
00:01:39,210 --> 00:01:42,960
doing research and operational work aboard the space station.

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00:01:42,960 --> 00:01:48,700

Meanwhile, our Nick Hague and Russia's Alexey Ovchinin are scheduled to launch to the station

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00:01:48,700 --> 00:01:55,070

on Oct. 11 to join the Expedition 57 crew onboard.

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00:01:55,070 --> 00:02:00,530

Astronomers using our Hubble and Kepler space telescopes have found evidence of what could

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00:02:00,530 --> 00:02:06,530

be the first discovery of a moon orbiting a planet outside our solar system, also known

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00:02:06,530 --> 00:02:08,410

as an exomoon.

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00:02:08,410 --> 00:02:14,760

This moon candidate is 8,000 light-years away in the Cygnus constellation orbiting a gas-giant

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00:02:14,760 --> 00:02:20,310

planet that, in turn, orbits a star called Kepler-1625.

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00:02:20,310 --> 00:02:25,510

Researchers caution that the moon hypothesis is tentative and must be confirmed by follow-up

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00:02:25,510 --> 00:02:29,170

observations from Hubble.

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00:02:29,170 --> 00:02:34,590

This is onboard test footage following the Sept. 12 launch of our Adaptable Deployable

32

00:02:34,590 --> 00:02:39,480

Entry and Placement Technology heatshield

design that folds like an umbrella for storage

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00:02:39,480 --> 00:02:43,670

during launch then unfurls once deployed in space.

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00:02:43,670 --> 00:02:49,419

It is being tested as a viable thermal protection system for entry, descent and landing of science

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00:02:49,419 --> 00:02:51,269

and exploration class payload missions.

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00:02:57,269 --> 00:02:59,189

NASA attended a red carpet event at the Smithsonian National Air and Space Museum in Washington,

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00:02:59,189 --> 00:03:03,139

D.C. for Universal's feature film, "First Man."

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00:03:03,139 --> 00:03:08,669

The movie, based on the book by Jim Hansen, chronicles the life of astronaut Neil Armstrong

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00:03:08,669 --> 00:03:12,599

from test pilot to his historic Moon landing.

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00:03:12,599 --> 00:03:18,340

NASA participated in the film in various ways – including providing technical expertise,

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00:03:18,340 --> 00:03:20,999

and public domain footage and imagery.

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00:03:20,999 --> 00:03:25,720

The movie will be released nationwide on Oct. 12, 2018.

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00:03:25,720 --> 00:03:29,099

That's what's up this week @NASA ...