
AUDIO TERMINAL UNIT

1
00:00:00,780 --> 00:00:05,160
“Here’s some of the stories trending This
Week at NASA!”

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00:00:05,160 --> 00:00:06,160
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3
00:00:06,160 --> 00:00:09,919
On May 12, Peggy Whitson and Jack Fischer
conducted a spacewalk outside the International

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00:00:09,919 --> 00:00:11,320
Space Station.

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00:00:11,320 --> 00:00:16,260
This was the 200th spacewalk in support of
station assembly and maintenance.

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00:00:16,260 --> 00:00:20,520
Prior to the outing, during their pre-breathe
activities in the airlock, the spacewalkers

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00:00:20,520 --> 00:00:25,131
had to share Whitson’s service and cooling
umbilical (SCU), due to an issue with the

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00:00:25,131 --> 00:00:28,050
SCU connected to Fischer’s suit.

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00:00:28,050 --> 00:00:32,300
That device provides electricity, cooling
and communications during the pre-breathe

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00:00:32,300 --> 00:00:34,190
phase of a spacewalk.

11
00:00:34,190 --> 00:00:40,010
Despite a late start, the pair completed the
primary task of replacing an avionics box

12
00:00:40,010 --> 00:00:45,140
that supplies electricity and data connections
to the science experiments on the orbital

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00:00:45,140 --> 00:00:46,210
laboratory.

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00:00:46,210 --> 00:00:51,350
It was Whitson’s ninth spacewalk and the
first for Fischer.

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00:00:51,350 --> 00:00:56,789
Also on May 12, NASA announced the decision
of a study on the feasibility of putting crew

16
00:00:56,789 --> 00:01:01,809
on Exploration Mission-1 (EM-1), the first
integrated flight of the Space Launch System

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00:01:01,809 --> 00:01:04,210
(SLS) rocket and Orion spacecraft.

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00:01:04,210 --> 00:01:09,640
In a message, acting Administrator Robert
Lightfoot expressed appreciation for the opportunity

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00:01:09,640 --> 00:01:14,610
to evaluate the possibility of a crewed flight,
and thanked Congress and the president for

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00:01:14,610 --> 00:01:20,310
bi-partisan support of the agency’s efforts
to send astronauts deeper into the solar system

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00:01:20,310 --> 00:01:21,939
than ever before.

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00:01:21,939 --> 00:01:27,340

But ultimately, the decision was made not
to fly crew on the first flight after weighing

23
00:01:27,340 --> 00:01:30,439
the data and assessing all implications.

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00:01:30,439 --> 00:01:35,230
Lightfoot noted, however, the work on this
evaluation will flow into NASA's planning

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00:01:35,230 --> 00:01:40,090
for the next two years and the agency looks
forward to using the valuable information

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00:01:40,090 --> 00:01:45,130
to strengthen its posture for Exploration
Mission-2, the second integrated flight of

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00:01:45,130 --> 00:01:50,429
SLS and Orion, which will have astronauts
aboard.

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00:01:50,429 --> 00:01:55,969
During a news conference May 10 at the agency's
Johnson Space Center in Houston, NASA astronauts

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00:01:55,969 --> 00:02:02,689
Joe Acaba and Mark Vande Hei, and Alexander
Misurkin, of the Russian space agency Roscosmos,

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00:02:02,689 --> 00:02:07,399
previewed their upcoming mission, as part
of the space station's Expedition 53/54

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00:02:07,399 --> 00:02:08,470
crew.

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00:02:08,470 --> 00:02:13,709
The trio is targeted to launch in September
from the Baikonur Cosmodrome in Kazakhstan.

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00:02:13,709 --> 00:02:17,849
They’re scheduled to spend five months on
the orbital laboratory, working with about

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00:02:17,849 --> 00:02:25,000
250 research investigations and technology
demonstrations not possible on Earth.

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00:02:25,000 --> 00:02:30,451
NASA’s acting Administrator Robert Lightfoot
delivered the opening plenary remarks at the

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00:02:30,451 --> 00:02:36,600
Humans to Mars Summit 2017 at The George Washington
University, in Washington.

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00:02:36,600 --> 00:02:41,870
The three-day event addressed the technical,
scientific and policy challenges of making

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00:02:41,870 --> 00:02:44,640
human exploration of Mars a reality.

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00:02:44,640 --> 00:02:50,010
The summit featured other NASA officials,
including Thomas Zurbuchen, NASA’s associate

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00:02:50,010 --> 00:02:54,830
administrator for Science; Steve Jurczyk,
the agency’s associate administrator for

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00:02:54,830 --> 00:02:59,560
Space Technology; and William Gerstenmaier,
NASA’s associate administrator for Human

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00:02:59,560 --> 00:03:01,349
Exploration and Operations.

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00:03:01,349 --> 00:03:09,200
NASA’s deep space exploration plans include
sending humans to Mars in the 2030s.

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00:03:09,200 --> 00:03:14,470
NASA's James Webb Space Telescope is at the
Johnson Space Center for its last cryogenic

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00:03:14,470 --> 00:03:17,470
test before launch in 2018.

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00:03:17,470 --> 00:03:22,749
This critical test will last almost 100 days
and be conducted in Johnson’s Chamber A

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00:03:22,749 --> 00:03:28,000
– the same vacuum chamber where Apollo lunar
spacecraft were tested.

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00:03:28,000 --> 00:03:32,970
The evaluation will verify the performance
of the whole telescope at the extremely cold

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00:03:32,970 --> 00:03:38,599
operating temperatures Webb is expected to
experience at its final frigid destination,

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00:03:38,599 --> 00:03:42,900
about one million miles out in space.

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00:03:42,900 --> 00:03:47,760
NASA helped ring in the Martian New Year – in
Mars, Pennsylvania.

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00:03:47,760 --> 00:03:52,709
Citizens of the town, just north of Pittsburgh,
invited the agency to help celebrate Mars

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00:03:52,709 --> 00:03:56,440
New Year, which happens about every two Earth

years.

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00:03:56,440 --> 00:04:02,420
The activities held May 4-6, included two
days of science, technology, engineering,

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00:04:02,420 --> 00:04:08,280
arts and mathematics or (STEAM) activities,
to encourage young people to pursue careers

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00:04:08,280 --> 00:04:15,239
in these fields of study, which are critical
to NASA's Mars exploration plans.

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00:04:15,239 --> 00:04:17,280
And that’s what’s up this week @NASA …
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