



1  
00:00:00,789 --> 00:00:05,230

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

2  
00:00:05,230 --> 00:00:09,570

Work continues aboard the International Space Station on upgrades to prepare it for future

3  
00:00:09,570 --> 00:00:11,500  
operational activities.

4  
00:00:11,500 --> 00:00:16,139

Ground controllers, using the station’s robotic arm, moved the Pressurized Mating

5  
00:00:16,139 --> 00:00:21,590

Adapter-3 (PMA-3) from the Tranquility module to the station’s Harmony module March 26.

6  
00:00:21,590 --> 00:00:27,700

PMA-3 will be outfitted with one of two International Docking Adapters to accommodate U.S. commercial

7  
00:00:27,700 --> 00:00:31,470

spacecraft carrying astronauts on future missions.

8  
00:00:31,470 --> 00:00:36,620

Four days after the PMA-3 move, NASA’s Shane Kimbrough and Peggy Whitson conducted the

9  
00:00:36,620 --> 00:00:42,540

second in a series of three planned spacewalks to complete work related to the upgrades.

10  
00:00:42,540 --> 00:00:46,810

The third spacewalk is planned in April.

11  
00:00:46,810 --> 00:00:51,070

Engineers at NASA's Goddard Space Flight Center

in Greenbelt, Maryland recently completed

12

00:00:51,070 --> 00:00:56,510

the acoustic and vibration portions of environmental testing on the agency's James Webb Space

13

00:00:56,510 --> 00:00:57,690

Telescope.

14

00:00:57,690 --> 00:01:03,540

The telescope was exposed to earsplitting noise and shaken five to 100 times per second

15

00:01:03,540 --> 00:01:05,580

as part of the testing.

16

00:01:05,580 --> 00:01:10,890

This and future testing ensures the spacecraft and all of its instruments can endure launch

17

00:01:10,890 --> 00:01:13,659

in 2018.

18

00:01:13,659 --> 00:01:18,860

New research from NASA's MAVEN spacecraft announced March 30 in the journal Science

19

00:01:18,860 --> 00:01:25,050

indicates solar wind and radiation are responsible for stripping away the Martian atmosphere.

20

00:01:25,050 --> 00:01:29,409

That process transformed Mars from a planet that could have supported life billions of

21

00:01:29,409 --> 00:01:33,020

years ago into a frigid desert world.

22

00:01:33,020 --> 00:01:38,580

The science team for MAVEN, the Mars Atmosphere and Volatile Evolution Mission, determined

23  
00:01:38,580 --> 00:01:42,980  
most of the gas ever in the Mars atmosphere has been lost to space.

24  
00:01:42,980 --> 00:01:46,170  
The team focused on the gas argon -- estimating that

25  
00:01:46,170 --> 00:01:50,790  
about 65 percent of it has been stripped from the Martian atmosphere.

26  
00:01:50,790 --> 00:01:56,799  
The MAVEN team previously announced measurements in 2015 that showed atmospheric gas currently

27  
00:01:56,799 --> 00:01:58,909  
is being lost to space.

28  
00:01:58,909 --> 00:02:03,340  
The present analysis uses measurements of the current atmosphere for the first estimate

29  
00:02:03,340 --> 00:02:07,730  
of how much gas was lost over time.

30  
00:02:07,730 --> 00:02:12,370  
NASA participated in an education-related Women's History Month celebration, March

31  
00:02:12,370 --> 00:02:17,569  
28 at the Smithsonian National Air and Space Museum in Washington.

32  
00:02:17,569 --> 00:02:23,819  
The program, featured appearances and presentations by NASA astronaut Kay Hire, several NASA engineers

33  
00:02:23,819 --> 00:02:30,620  
and scientists, Secretary of Education Betsy DeVos, and President Trump's daughter, Ivanka.

34  
00:02:30,620 --> 00:02:35,550  
There also were activities geared toward getting students excited about Science, Technology,

35  
00:02:35,550 --> 00:02:40,749  
Engineering and Math (STEM) and a screening of the film, "Hidden Figures."

36  
00:02:40,749 --> 00:02:46,410  
NASA has released its popular NASA app for a new platform -- the Amazon Fire TV.

37  
00:02:46,410 --> 00:02:52,629  
The app already is available for Apple TV, iOS, and Android devices.

38  
00:02:52,629 --> 00:02:58,569  
Viewers can access live streaming of NASA TV, more than 16,000 images, and play more

39  
00:02:58,569 --> 00:03:03,870  
than 14,000 NASA videos on demand directly on their televisions.

40  
00:03:03,870 --> 00:03:10,059  
The NASA app is available for free in the app store on Amazon Fire TV.

41  
00:03:10,059 --> 00:03:12,169  
And that's what's up this week @NASA ...  
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