

**GPM**



**OCO-2**



**RapidScat**



**CATS**



**SMAP**



1

00:00:00,789 --> 00:00:03,780

"Here's some of the stories trending This Week at NASA!"

2

00:00:03,780 --> 00:00:10,530

On Feb. 25, International Space Station Commander Barry Wilmore and Flight Engineer Terry Virts

3

00:00:10,530 --> 00:00:16,650

of NASA continued rigging power and data cables during the second in a series of three spacewalks

4

00:00:16,650 --> 00:00:21,980

to prepare for installation of two new docking ports for the future arrival of U.S. commercial

5

00:00:21,980 --> 00:00:23,630

crew spacecraft.

6

00:00:23,630 --> 00:00:27,970

The new docking adapters will begin arriving at the station later this year.

7

00:00:27,970 --> 00:00:32,840

During airlock repressurization at the conclusion of the spacewalk, Virts reported seeing a

8

00:00:32,840 --> 00:00:35,620

small amount of water floating in his helmet.

9

00:00:35,620 --> 00:00:40,080

No water was reported during the EVA and the crew was never in any danger.

10

00:00:40,080 --> 00:00:45,430

The third and final spacewalk of the series is scheduled for no earlier than March 1.

11

00:00:45,430 --> 00:00:51,100

NASA's Magnetospheric Multiscale (MMS) mission was previewed during a Feb. 25 news briefing

12

00:00:51,100 --> 00:00:52,650  
at NASA headquarters.

13

00:00:52,650 --> 00:00:58,079  
Scheduled for launch March 12 from Cape Canaveral Air Force Station in Florida, MMS's four

14

00:00:58,079 --> 00:01:03,390  
identical Earth-orbiting spacecraft will work together to provide the first three-dimensional

15

00:01:03,390 --> 00:01:08,920  
view of magnetic reconnection – a universal process during which magnetic fields connect

16

00:01:08,920 --> 00:01:14,070  
and disconnect – producing explosive energy that can accelerate particles up to nearly

17

00:01:14,070 --> 00:01:16,960  
the speed of light.

18

00:01:16,960 --> 00:01:22,750  
During a Feb. 26 media teleconference, NASA provided status updates on the five NASA Earth

19

00:01:22,750 --> 00:01:26,040  
Science missions launched over the past 12 months.

20

00:01:26,040 --> 00:01:30,549  
The five additions to the agency's fleet of Earth-observing spacecraft is the biggest

21

00:01:30,549 --> 00:01:33,420  
one-year increase in more than a decade.

22  
00:01:33,420 --> 00:01:38,280  
The scientific data and imagery produced by the various missions include new views of

23  
00:01:38,280 --> 00:01:44,460  
global carbon dioxide, rain and snowfall, ocean winds, and aerosol particles in the

24  
00:01:44,460 --> 00:01:46,830  
atmosphere.

25  
00:01:46,830 --> 00:01:51,830  
The Soil Moisture Active Passive (SMAP) mission, launched Jan. 31 from California's Vandenberg

26  
00:01:51,830 --> 00:01:56,840  
Air Force Base, is the most recent of NASA's five new Earth Science missions.

27  
00:01:56,840 --> 00:02:01,270  
Following a successful checkout phase, the satellite recently deployed its instrument

28  
00:02:01,270 --> 00:02:06,700  
boom and 20-foot-wide reflector antenna, a key milestone on its mission to provide global

29  
00:02:06,700 --> 00:02:11,349  
measurements of soil moisture – helping to improve our understanding of Earth's

30  
00:02:11,349 --> 00:02:15,269  
water, energy and carbon cycles.

31  
00:02:15,269 --> 00:02:20,159  
Marking one of many steps it is taking to fly NASA astronauts to and from the International

32  
00:02:20,159 --> 00:02:26,000

Space Station, Boeing, along with United Launch Alliance recently held a groundbreaking ceremony

33  
00:02:26,000 --> 00:02:30,840  
for the first new crew access structure to be built at Cape Canaveral Air Force Station

34  
00:02:30,840 --> 00:02:32,939  
since the 1960s.

35  
00:02:32,939 --> 00:02:38,559  
The new 200-foot-tall structure will be assembled over the next 18 months at Space Launch Complex

36  
00:02:38,559 --> 00:02:45,730  
41 and service test pilots, support personnel and astronauts boarding the CST-100 spacecraft

37  
00:02:45,730 --> 00:02:51,249  
Boeing is developing to fly crews to and from the ISS.

38  
00:02:51,249 --> 00:02:53,310  
And that's what's up this week @NASA ...