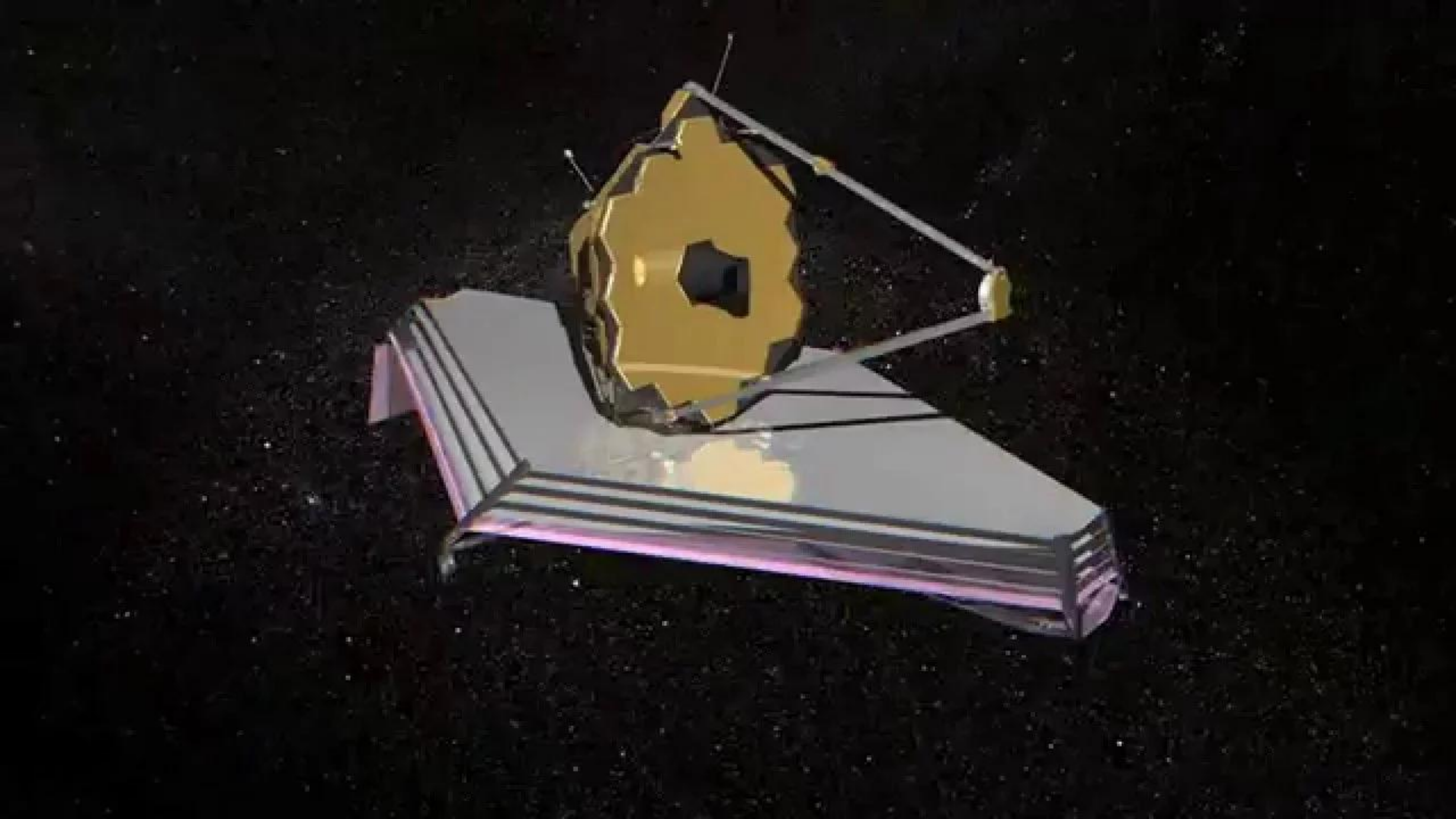

1
00:00:00,620 --> 00:00:04,970
“Here’s some of the stories trending This
Week at NASA!”

2
00:00:04,970 --> 00:00:09,340
During a Feb. 2 event at NASA’s Marshall
Space Flight Center, officials announced the

3
00:00:09,340 --> 00:00:15,410
selection of 13 low-cost small satellites
to launch as secondary payloads on Exploration

4
00:00:15,410 --> 00:00:19,890
Mission-1 (EM-1) -- the first flight of the
agency’s Space Launch System (SLS) rocket,

5
00:00:19,890 --> 00:00:21,360
targeted for 2018.

6
00:00:21,360 --> 00:00:26,670
SLS’ first flight is designed to launch
an un-crewed Orion spacecraft to a stable

7
00:00:26,670 --> 00:00:32,189
orbit beyond the moon to demonstrate and test
systems for both the spacecraft and rocket

8
00:00:32,189 --> 00:00:34,989
before the first crewed flight of Orion.

9
00:00:34,989 --> 00:00:39,780
The announced CubeSat secondary payloads will
carry science and technology investigations

10
00:00:39,780 --> 00:00:47,350
to help pave the way for future human exploration
in deep space, including the Journey to Mars.

11
00:00:47,350 --> 00:00:51,710

Marshall Space Flight Center, which manages development of the SLS for NASA, has a new

12
00:00:51,710 --> 00:00:53,399
Center Director.

13
00:00:53,399 --> 00:00:58,350
On Feb. 1, Administrator Charlie Bolden named Todd May to the post.

14
00:00:58,350 --> 00:01:03,640
May had been serving as acting director since the November 2015 retirement of previous Center

15
00:01:03,640 --> 00:01:05,220
Director Patrick Scheuermann.

16
00:01:05,220 --> 00:01:10,800
Since 2011, May has successfully led the Space Launch System program through a series of

17
00:01:10,800 --> 00:01:12,440
developmental milestones.

18
00:01:12,440 --> 00:01:17,430
The SLS will be the most powerful rocket ever built.

19
00:01:17,430 --> 00:01:21,660
The 18th and final primary mirror segment on what will be the biggest and most powerful

20
00:01:21,660 --> 00:01:26,760
space telescope ever launched -- the James Webb Space Telescope -- was installed Feb.

21
00:01:26,760 --> 00:01:29,930
4 at NASA’s Goddard Space Flight Center.

22

00:01:29,930 --> 00:01:34,360
The installation is an important milestone
in the assembly of the tennis court-sized

23
00:01:34,360 --> 00:01:36,250
infrared observatory.

24
00:01:36,250 --> 00:01:40,840
The Webb telescope will study every phase
in the history of our universe, including

25
00:01:40,840 --> 00:01:46,000
the formation of solar systems capable of
supporting life on planets similar to Earth,

26
00:01:46,000 --> 00:01:49,220
as well as the evolution of our own solar
system.

27
00:01:49,220 --> 00:01:53,350
Webb is targeted to launch in 2018.

28
00:01:53,350 --> 00:01:59,000
On Feb. 3, NASA's Juno spacecraft executed
the first of two maneuvers to fine tune its

29
00:01:59,000 --> 00:02:02,530
course to its target destination -- Jupiter.

30
00:02:02,530 --> 00:02:06,770
The trajectory adjustment took place when
the spacecraft was about 51 million miles

31
00:02:06,770 --> 00:02:11,829
from Jupiter and approximately 425 million
miles from Earth.

32
00:02:11,829 --> 00:02:17,020
Juno will spend a year studying Jupiter’s
atmosphere, interior and magnetosphere from

33
00:02:17,020 --> 00:02:19,189
an unprecedented perspective.

34
00:02:19,189 --> 00:02:23,500
This will improve our understanding of the
solar system's beginnings by revealing the

35
00:02:23,500 --> 00:02:25,810
origin and evolution of the planet.

36
00:02:25,810 --> 00:02:31,290
Juno, which is scheduled to rendezvous with
Jupiter on July 4, will perform the next trajectory

37
00:02:31,290 --> 00:02:35,430
correction maneuver around late May.

38
00:02:35,430 --> 00:02:40,310
Aboard the International Space Station, Russian
cosmonauts Yuri Malenchenko and Sergey Volkov

39
00:02:40,310 --> 00:02:46,439
of Roscosmos conducted a spacewalk on Feb.
3 to install experiment packages on the outside

40
00:02:46,439 --> 00:02:50,780
of the Russian segment of the station, retrieve
some experiments that have been gathering

41
00:02:50,780 --> 00:02:55,939
data for several months, and install devices
on the hull of the station to facilitate the

42
00:02:55,939 --> 00:02:59,079
movement of crew members on future spacewalks.

43
00:02:59,079 --> 00:03:06,029
The spacewalk was the 193rd in support of

space station assembly and maintenance.

44
00:03:06,029 --> 00:03:10,840
About eight acres of redwood planks previously
used as roofing material for Ames Research

45
00:03:10,840 --> 00:03:16,590
Center’s iconic Hangar One at Moffett Field,
California have found new purpose at nearby

46
00:03:16,590 --> 00:03:21,249
Levi’s Stadium -- the brand-new home of
the National Football League’s San Francisco

47
00:03:21,249 --> 00:03:25,620
49ers, and the site of the Feb. 7 Super Bowl.

48
00:03:25,620 --> 00:03:30,669
Incorporating the reclaimed and locally sourced
material into the stadium structure earned

49
00:03:30,669 --> 00:03:35,610
it the federally recognized Leadership in
Energy and Environmental Design (LEED) Gold

50
00:03:35,610 --> 00:03:36,610
certification.

51
00:03:36,610 --> 00:03:40,299
And that’s what’s up this week @NASA …