
TW@N
THIS WEEK @ NASA

1
00:00:00,000 --> 00:00:02,400
The first space station\h
spacewalk of the new year …
\h

2
00:00:02,400 --> 00:00:07,200
A new date for a commercial crew test flight …
And our next landing on Mars is fast\h\h

3
00:00:07,200 --> 00:00:10,720
approaching … a few of the stories to\h
tell you about – This Week at NASA!
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4
00:00:13,120 --> 00:00:18,240
On Jan. 27, NASA’s Michael Hopkins and Victor\h
Glover ventured outside the International\h\h

5
00:00:18,240 --> 00:00:23,200
Space Station for the first of two scheduled\h
spacewalks to finish installing a European\h\h

6
00:00:23,200 --> 00:00:28,640
science platform and finish battery upgrade\h
work. On this outing, the pair focused on cable\h\h

7
00:00:28,640 --> 00:00:33,840
and antenna rigging for the “Bartolomeo”\h
science payloads platform. On Feb. 1,\h\h

8
00:00:33,840 --> 00:00:39,760
the pair will go outside again to wrap up battery\h
replacement work that started in January 2017.
\h

9
00:00:40,560 --> 00:00:45,680
NASA and Boeing are targeting no earlier than\h
Thursday, March 25, for the launch of Orbital\h\h

10
00:00:45,680 --> 00:00:52,000

Flight Test-2, or OFT-2, the second uncrewed\h
flight test of Boeing’s Starliner spacecraft\h\h

11
00:00:52,000 --> 00:00:57,600
to the International Space Station. OFT-2 is a\h
critical developmental milestone on the company’s\h\h

12
00:00:57,600 --> 00:01:02,720
path to fly crewed missions to the space station\h
as part of NASA’s Commercial Crew Program.
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13
00:01:03,840 --> 00:01:09,360
The Feb. 18 landing of our Mars 2020 mission\h
with our Perseverance rover and Ingenuity\h\h

14
00:01:09,360 --> 00:01:15,280
helicopter is fast approaching. We previewed the\h
landing and mission during a Jan. 27 briefing.

15
00:01:15,920 --> 00:01:22,560
“As our cosmic neighbor and as a destination,\h
Mars continues to captivate our imagination both\h\h

16
00:01:22,560 --> 00:01:27,120
as scientists and as explorers, and it\h
seems every time we learn something new,\h\h

17
00:01:27,840 --> 00:01:30,160
we uncover more questions.”

18
00:01:30,800 --> 00:01:34,720
Perseverance will search for signs\h
of past microbial life and be our\h\h

19
00:01:34,720 --> 00:01:39,760
first Mars rover to collect samples from\h
another planet for future return to Earth,\h\h

20
00:01:39,760 --> 00:01:44,560

while Ingenuity will make history’s first\h
attempt at powered flight on another planet.\h\h

21
00:01:44,560 --> 00:01:51,920
To learn more, visit mars.nasa.gov/mars2020.
Our OSIRIS-REx spacecraft will bid\h\h

22
00:01:51,920 --> 00:01:56,800
farewell to asteroid Bennu on May 10\h
and begin the journey back to Earth.\h\h

23
00:01:56,800 --> 00:02:01,680
The spacecraft collected a substantial amount\h
of material from Bennu’s surface during last\h\h

24
00:02:01,680 --> 00:02:08,320
year’s Oct. 20 sample collection event – likely in\h
excess of the mission’s requirement of 2 ounces.\h\h

25
00:02:08,320 --> 00:02:12,960
O-REx’s departure might include a\h
final flyby of Bennu sometime in April.\h\h

26
00:02:12,960 --> 00:02:17,680
The spacecraft is scheduled to deliver\h
the sample to Earth in September 2023.\h\h

27
00:02:17,680 --> 00:02:21,840
The material could teach us more about the\h
formation of Earth and our solar system.
\h

28
00:02:25,680 --> 00:02:31,040
On Jan. 28, our Stennis Space Center kicked\h
off a new series of testing with the RS-25\h\h

29
00:02:31,040 --> 00:02:36,240
rocket engines. The seven-test series will\h
provide valuable data for NASA contractor\h\h

30

00:02:36,240 --> 00:02:41,920
Aerojet Rocketdyne as it begins production\h
of the engines. Four RS-25s will help power\h\h

31
00:02:41,920 --> 00:02:46,560
our Space Launch System (SLS) rocket on future\h
missions to the Moon and, eventually, to Mars.
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32
00:02:49,040 --> 00:02:53,680
On Jan. 28, a small group of\h
officials from NASA Headquarters\h\h

33
00:02:53,680 --> 00:02:58,480
attended the Day of Remembrance observance\h
at Arlington National Cemetery in Virginia.
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34
00:03:03,040 --> 00:03:08,560
The annual NASA event is one of several around\h
the country in tribute to the fallen astronauts\h\h

35
00:03:08,560 --> 00:03:14,960
of Apollo 1, space shuttles Challenger and\h
Columbia, and other members of the NASA family\h\h

36
00:03:14,960 --> 00:03:20,240
who lost their lives in support of the\h
agency’s mission of exploration and discovery.