
TW@N
THIS WEEK @ NASA

1
00:00:00,320 --> 00:00:04,320
An historic milestone for Perseverance
A busy week of activity at the\h\h

2
00:00:04,320 --> 00:00:06,480
space station …
And a target launch\h\h

3
00:00:06,480 --> 00:00:11,600
date for the Webb Space Telescope … a few of the\h
stories to tell you about – This Week at NASA!
\h

4
00:00:13,040 --> 00:00:18,400
Our Perseverance rover completed the collection\h
of its first two samples of Martian rock. Mission\h\h

5
00:00:18,400 --> 00:00:24,160
controllers at our Jet Propulsion Laboratory\h
received data confirming the historic milestone.\h\h

6
00:00:24,160 --> 00:00:28,480
The core samples were collected from\h
a rock located in Jezero Crater.

7
00:00:28,480 --> 00:00:33,920
“I wanted to be a part of this moment;\h
to be able to achieve something that\h\h

8
00:00:33,920 --> 00:00:40,480
has never, ever been done before. And, while\h
it definitely was a very long time waiting,\h\h

9
00:00:40,480 --> 00:00:44,320
I think all of us can say\h
that it feels fantastic.”

10
00:00:45,120 --> 00:00:49,840
“Perseverance is playing an incredibly\h
important role in our understanding of Mars\h\h

11
00:00:49,840 --> 00:00:54,880
and demonstrating key technologies as we take\h
our next steps in exploring the solar system.”

12
00:00:56,080 --> 00:01:01,520
The cored rock material is sealed in airtight\h
titanium sample tubes that, along with any\h\h

13
00:01:01,520 --> 00:01:06,000
additional samples, could be retrieved and\h
returned to Earth for closer study by one\h\h

14
00:01:06,000 --> 00:01:11,840
of the future Mars Sample Return missions being\h
planned by NASA and the European Space Agency.

15
00:01:13,200 --> 00:01:18,560
The Sept. 12 spacewalk outside the International\h
Space Station will be the first one conducted by\h\h

16
00:01:18,560 --> 00:01:22,800
two international partner astronauts\h
out of the station’s Quest airlock.\h\h

17
00:01:22,800 --> 00:01:28,320
Japan’s Akihiko Hoshide and Thomas Pesquet of\h
the European Space Agency will work to attach\h\h

18
00:01:28,320 --> 00:01:34,640
a support bracket for future installation of the\h
station’s third new solar array. NASA astronaut\h\h

19
00:01:34,640 --> 00:01:40,080
Mark Vande Hei will provide support during\h
the spacewalk from inside the space station.

20
00:01:40,080 --> 00:01:44,880
NASA and SpaceX are continuing plans for\h
upcoming International Space Station crew\h\h

21
00:01:44,880 --> 00:01:49,680
rotation missions. Those plans include the\h
launch of the Crew-3 mission to the space station\h\h

22
00:01:49,680 --> 00:01:55,920
as early as Sunday Oct. 31, a return to Earth\h
for the Crew-2 astronauts currently onboard the\h\h

23
00:01:55,920 --> 00:02:01,520
station sometime in the early-to-mid November\h
timeframe, and the launch of Crew-4 – currently\h\h

24
00:02:01,520 --> 00:02:08,320
targeted for no earlier than April 15, 2022.\h
For more details, visit nasa.gov/commercialcrew.

25
00:02:09,200 --> 00:02:16,240
We set Dec. 18 as the new target launch date for\h
the James Webb Space Telescope. Webb is a NASA-led\h\h

26
00:02:16,240 --> 00:02:21,280
international partnership with the European\h
Space Agency and the Canadian Space Agency.\h\h

27
00:02:21,280 --> 00:02:26,880
Preparations are underway to ship the telescope\h
to French Guiana, South America where an Ariane\h\h

28
00:02:26,880 --> 00:02:32,640
5 rocket will launch it on a mission to reveal\h
new and unexpected discoveries to help us better\h\h

29
00:02:32,640 --> 00:02:38,800
understand the origins of the universe and our\h
place in it. Find out more at webb.nasa.gov.

30
00:02:40,240 --> 00:02:46,320
On Sept. 9, Russian cosmonauts Oleg Novitskiy\h
and Pyotr Dubrov of Roscosmos were back outside\h\h

31
00:02:46,320 --> 00:02:50,400
the International Space Station for\h
the second in a series of spacewalks\h\h

32
00:02:50,400 --> 00:02:55,680
to outfit Russia’s new Nauka multipurpose\h
laboratory module. Nauka will serve as a\h\h

33
00:02:55,680 --> 00:03:00,240
new science facility, docking port, and\h
spacewalk airlock for future operations.