1
00:00:01,040 --> 00:00:03,840
A touch of history for our first asteroid sample\h\h

2
00:00:03,840 --> 00:00:05,760
return mission …
A safe return from\h\h

3
00:00:05,760 --> 00:00:09,520
the International Space Station …
And a big move in preparation for\h\h

4
00:00:09,520 --> 00:00:13,440
Artemis I … a few of the stories to\h
tell you about – This Week at NASA!
\h

5
00:00:14,240 --> 00:00:19,760
On Oct. 20 – some 200 million miles from\h
Earth – NASA’s OSIRIS-REx spacecraft extended\h\h

6
00:00:19,760 --> 00:00:26,000
its robotic arm, and in a first for the agency,\h
successfully touched asteroid Bennu long enough\h\h

7
00:00:26,000 --> 00:00:31,120
to collect dust and other surface material\h
to be returned to Earth for study in 2023.

8
00:00:31,120 --> 00:00:37,680
“And we have touchdown! Touchdown\h
declared! (applause and cheering)”

9
00:00:37,680 --> 00:00:41,120
Bennu contains material from the\h
early solar system that could help\h\h

10
00:00:41,120 --> 00:00:43,840
researchers learn more about\h
the origins of life on Earth.

11
00:00:44,960 --> 00:00:49,600
NASA astronaut Chris Cassidy safely returned\h
to Earth from the International Space Station\h\h

12
00:00:49,600 --> 00:00:55,280
on Oct. 21, Eastern Time. Cassidy and\h
Russian cosmonauts Anatoly Ivanishin and\h\h

13
00:00:55,280 --> 00:01:00,480
Ivan Vagner landed in their Soyuz spacecraft\h
just hours after leaving the station.\h\h

14
00:01:00,480 --> 00:01:04,640
The landing wrapped up a six-month mission\h
for the trio aboard the orbital outpost.

15
00:01:05,680 --> 00:01:10,320
On Oct. 20, the mobile launcher that will be\h
used with our Space Launch System (SLS) rocket\h\h

16
00:01:10,320 --> 00:01:16,240
and Orion spacecraft for Artemis I, was rolled\h
out to Launch Pad 39B at our Kennedy Space\h\h

17
00:01:16,240 --> 00:01:21,280
Center in Florida. The trek to the pad helped\h
prepare the launch team for the actual launch\h\h

18
00:01:21,280 --> 00:01:26,240
of Artemis I next year. The mobile launcher\h
will stay at the pad for about two weeks\h\h

19
00:01:26,240 --> 00:01:29,760
to practice logistics, validate\h
timelines, and for cleaning.

20
00:01:30,880 --> 00:01:36,080
Preparations continue for the Nov. 10 launch\h
of the Sentinel-6 Michael Freilich spacecraft.\h\h

21
00:01:36,080 --> 00:01:40,960
The world's latest ocean-monitoring satellite,\h
named after the late Dr. Michael Freilich,\h\h

22
00:01:40,960 --> 00:01:45,760
former director of NASA's Earth Science\h
Division, is one of two identical spacecraft\h\h

23
00:01:45,760 --> 00:01:49,200
that will collect extremely precise\h
sea surface height measurements.
\h

24
00:01:51,840 --> 00:01:56,160
Registration is underway for NASA’s\h
27th Human Exploration Rover Challenge,\h\h

25
00:01:56,160 --> 00:02:03,440
targeted for April 15-17, 2021. The annual student\h
competition features student-built rovers taking\h\h

26
00:02:03,440 --> 00:02:09,440
on a course simulating terrain found on the Moon,\h
Mars and other rocky bodies in the solar system.\h\h

27
00:02:09,440 --> 00:02:15,440
Find out more at nasa.gov/roverchallenge.
That’s what’s up this week @NASA …
\h