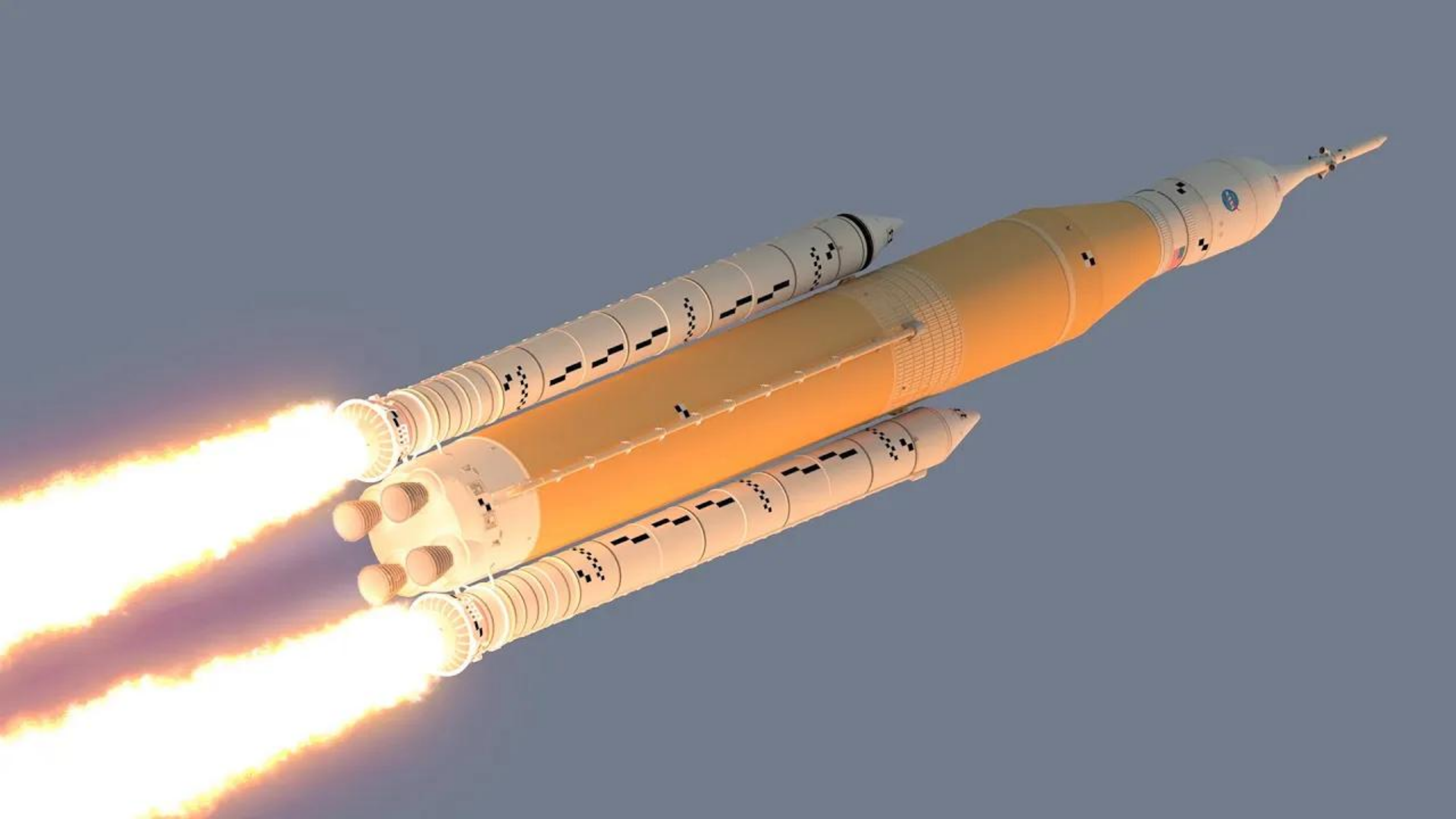

1
00:00:00,240 --> 00:00:02,149
An update to plans for Artemis …

2
00:00:02,149 --> 00:00:05,200
The next space station crew trains for its mission …

3
00:00:05,200 --> 00:00:09,610
And collaboration in the interest of space … a few of the stories to tell you about

4
00:00:09,610 --> 00:00:13,019
– This Week at NASA!

5
00:00:13,019 --> 00:00:17,220
We published our Artemis plan to land the first woman and the next man on the Moon in

6
00:00:17,220 --> 00:00:18,220
2024.

7
00:00:18,220 --> 00:00:23,439
The plan includes details about a new test during the Artemis II mission in 2023, when

8
00:00:23,439 --> 00:00:28,710
astronauts will manually fly the Orion spacecraft to see how it handles in space.

9
00:00:28,710 --> 00:00:33,520
NASA Administrator Jim Bridenstine discussed the agency’s plans and budget during a U.S.

10
00:00:33,520 --> 00:00:36,300
Senate appropriations hearing on Sept. 23.

11
00:00:36,300 --> 00:00:43,660
“The budget that we have before the House and the Senate today is a very strong budget,

12
00:00:43,660 --> 00:00:49,720
and I think it is a budget that ultimately
enables us to continue to push forward humanity

13
00:00:49,720 --> 00:00:53,200
into the solar system in a way that we've
never done before."

14
00:00:53,200 --> 00:00:58,050
The first Artemis mission without astronauts,
Artemis I, is on track for 2021.

15
00:00:58,050 --> 00:01:01,920
Learn more at: nasa.gov/artemis.

16
00:01:01,920 --> 00:01:06,020
The International Space Station's next crew,
including NASA's Kate Rubins, wrapped up

17
00:01:06,020 --> 00:01:07,760
training in Star City, Russia.

18
00:01:07,760 --> 00:01:12,570
Rubins and Russian crewmates Sergey Ryzhikov,
and Sergey Kud-Sverchkov are set to launch

19
00:01:12,570 --> 00:01:17,109
Oct. 14 from the Baikonur Cosmodrome in Kazakhstan.

20
00:01:17,109 --> 00:01:22,189
A new memorandum of understanding announced
Sept. 22 by NASA and the U.S. Space Force

21
00:01:22,189 --> 00:01:27,740
calls for collaboration between the organizations
in a broad range of areas including human

22
00:01:27,740 --> 00:01:34,000

spaceflight, U.S. space policy, space transportation, standards and best practices for safe operations

23
00:01:34,000 --> 00:01:37,710
in space, scientific research, and planetary defense.

24
00:01:37,710 --> 00:01:42,679
NASA's OSIRIS-REx spacecraft has spotted pieces of asteroid Vesta that are somehow

25
00:01:42,679 --> 00:01:48,090
on Bennu, the asteroid from which O-REx will attempt to collect a sample in late October.

26
00:01:48,090 --> 00:01:52,880
It's believed that the material came from Bennu's parent asteroid after a fragment

27
00:01:52,880 --> 00:01:54,770
from Vesta struck the parent.

28
00:01:54,770 --> 00:01:58,750
This sheds light on the violent origin of Bennu, which is an asteroid that formed from

29
00:01:58,750 --> 00:02:01,509
fragments of a massive collision.

30
00:02:01,509 --> 00:02:05,740
Data from NASA instruments on the European Space Agency's Rosetta mission have helped

31
00:02:05,740 --> 00:02:12,750
reveal that comet 67P/Churyumov-Gerasimenko has its own far-ultraviolet aurora.

32
00:02:12,750 --> 00:02:17,070
It is the first time such electromagnetic emissions in the far-ultraviolet have been

33
00:02:17,070 --> 00:02:20,520
documented on a celestial object other than
a planet or moon.

34
00:02:20,520 --> 00:02:22,690
That’s what’s up this week @NASA …