
SHUTTLEWAGON

1
00:00:00,420 --> 00:00:03,340
A boost in the right direction for Artemis
…

2
00:00:03,340 --> 00:00:07,569
Closing in on the launch of our next Mars
rover …

3
00:00:07,569 --> 00:00:12,720
And the latest progress in our quest for quiet
supersonic flight … a few of the stories

4
00:00:12,720 --> 00:00:16,740
to tell you about – This Week at NASA!

5
00:00:16,740 --> 00:00:21,440
The rocket boosters that will help power our
first Artemis flight test were transported

6
00:00:21,440 --> 00:00:27,109
in segments from Northrop Grumman’s manufacturing
facility in Promontory, Utah to our Kennedy

7
00:00:27,109 --> 00:00:29,200
Space Center in Florida.

8
00:00:29,200 --> 00:00:33,690
Crews will now work to assemble and eventually
integrate the boosters with our Space Launch

9
00:00:33,690 --> 00:00:39,809
System or SLS rocket, which will send an uncrewed
Orion spacecraft around the Moon on this mission,

10
00:00:39,809 --> 00:00:41,760
known as Artemis I.

11
00:00:41,760 --> 00:00:47,449
It is the first in a series of increasingly

complex missions to test Orion and SLS as

12
00:00:47,449 --> 00:00:52,829
an integrated system to send the first woman
and next man to the Moon by 2024.

13
00:00:52,829 --> 00:00:59,359
The launch window for our Mars 2020 Perseverance
rover mission opens on July 20.

14
00:00:59,359 --> 00:01:05,790
The mission marks humanity's first step in
returning samples from another planet to Earth.

15
00:01:05,790 --> 00:01:11,320
It will also search for signs of past microbial
life on Mars, characterize the planet's climate

16
00:01:11,320 --> 00:01:16,039
and geology, and pave the way for human exploration
of the Red Planet.

17
00:01:16,039 --> 00:01:22,429
“We’re moving forward rapidly with these
very important Mars robotic precursor missions

18
00:01:22,429 --> 00:01:26,880
so that one day when we send humans to Mars,
we’re going to know where to go to get the

19
00:01:26,880 --> 00:01:30,549
absolute best science and data that we can
get.”

20
00:01:30,549 --> 00:01:39,060
The Mars 2020 Perseverance rover will land
at Mars' Jezero Crater on Feb. 18, 2021.

21
00:01:39,060 --> 00:01:44,399
The wing and cockpit sections of our X-59

Quiet SuperSonic Technology (QueSST) are coming

22
00:01:44,399 --> 00:01:49,259
together at a Lockheed Martin assembly plant
in southern California.

23
00:01:49,259 --> 00:01:54,409
When complete, the X-59 will be put through
a series of ground and flight tests to ensure

24
00:01:54,409 --> 00:01:59,909
its air worthiness, and its ability to create
a low-noise sonic boom that can barely be

25
00:01:59,909 --> 00:02:04,130
heard – if at all – by people on the ground.

26
00:02:04,130 --> 00:02:09,280
This recently released mosaic of Nightingale,
the primary sample site on asteroid Bennu

27
00:02:09,280 --> 00:02:14,650
for our OSIRIS-REx mission, is comprised of
345 images.

28
00:02:14,650 --> 00:02:19,510
The images were captured by the spacecraft
during a reconnaissance pass just 820 feet

29
00:02:19,510 --> 00:02:22,280
above the site in early March.

30
00:02:22,280 --> 00:02:26,670
OSIRIS-REx is scheduled to make its first
sample collection attempt at Nightingale on

31
00:02:26,670 --> 00:02:27,760
Oct. 20.

32

00:02:27,760 --> 00:02:30,620
That’s what’s up this week @NASA …